Literatursuche ChatGPT 2023 02 22

Authors			Year Volun	ne Issue	Pages	Keywords	Abstract Guidelines are urgently needed for the use of generative AI tools like ChatGPT in scientific writing	10.1038/s42256-023-00613-9	URL
		MACHINE					Guidelines are urgently needed for the use of generative AI tools like ChatGP1 in scientific writing.	10.1038/542256-023-00613-9	
Q. Y., Tauni,	Social Chatbot: My Friend in My	INTERNATIONAL JOURNAL OF				CONTINGENT SELF-WORTH,	provide insights into the limited literature, the authors explore the role of fear of negative evaluation (FONE) and fear of	10.1080/10447318.2022.2150745	
M. Z., Shahzad, K.	Distress	HUMAN- COMPUTER INTERACTION				SATISFACTION, SMARTPHONE USAGE, MEDIA USE, ADDICTION, ANXIETY, ESTEEM, FEAR	rejection (FOR) as mediators in this relationship. It y applying a variance-based structural equation modeling on a non-dirical sample of 36G Ohnes university students who have interacted with Xalouc, the values fund that so that the relation and rejection, with a more valuest university students. The mediating effect of far air organize valuation ranker through far of rejection, which establishes a straff link between social interaction anexity and compulsive char with a social chatbot. Further, finatarion about univeliability (FAG) listing them the relational preteners (FAG and compulsive durit with a social chatbot. Further, finatarion about univeliability (FAG) listing them the relational preteners (FAG and compulsive durit with a social chatbot. (CEC), These findings offer thereacta and practical insights into our understanding of the process by which social interaction anakey influence chart behavior with a social chatbot.		
	Assistant System Based on Deep Multi-modal Data Integration	SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE				learning, Natural language processing, Image processing, Action recognition, Gesture recognition, CONVOLUTIONAL NEURAL-NETWORK, RECOGNITION, ATTENTION	In this study, we propose a virtual assistant system that is applied to real IPE using signal processing and deep learning. First, the overall structure of the proposed system that integrates and controls virus one multicle is introduced, after winkive expressing a multi-modal fusion module that approved to users. It integrates a natural language processing module for interpreting forcers obtained and behavior recognition module for understanding user behaviors using a RGB carrent. and dation, a hardwork the users in gesture recognition module that singuishes a the users, and iii ja voice processing module that can replace the multi- face recognition module that distinguishes different users, and iii ja voice processing module that can replace the multi and face recognition module that distinguishes different users, and iii ja voice processing module that can replace the multi and and office environment. Through test results, we successfully demonstrate the realization of the proposed system in real life Finally, we list the challenges discovered during the operation of this system and suggest directions for further research.		
Nangia, P., Singh, S.,	Retailing: Mapping the past for informing the	INTERNATIONAL REVIEW OF RETAIL DISTRIBUTION AND CONSUMER RESEARCH				behavior, online retail, systematic literature review, FULFILLMENT DECISIONS, CUSTOMER EXPERIENCE, ONLINE, PERSPECTIVES, MANAGEMENT, INVENTORY, CRITIQUE	The continuous growth of information and technology has resulted in considerable changes in the retailing environment, with a restriction on brick-and mortar retailing and a public oward online retailing. The public post finits study is to mag the available literature on -tailing in order to forecast where the field might be headed in the coming years and to identify the key features that contribute to estilling business. The tapper employan an integrative review methodology and bibliomistri method as a comparational tool, and selected Web of Science and SCOPUS database(s), to identify the most productive research disciplines and countries that conduct the majority of eating research. The study comines major themes such as commune behavior and perception, technology and methods, pricing strategies, channel integration, cognitive impact, business strategies, and models, and channel strategies to provide a comprehensive framework of existing by identifying topics; research revolution, namal publishing trends, and the most relevant journals. The study drefs future research areas in the from of thematic propositions and adviccate greater research into upcoming trends such as voice assistants, chattoss, AI, and direct-to-consume markets while adding relevant concepts.	10.1080/09593969.2022.2152075	
Ribero, M.,	Regularization- based pruning of irrelevant weights in deep neural architectures	APPLIED INTELLIGENCE				Regularization, NLP, Image processing	Deep neural networks exploiting milion parameters are currently the norm. This is a potential issue because of the great number of computations needed for training, and the possible loss of generalization performance of overgarameterized networks. We propose in this paper a method for learning sparse neural topologies via a regularization approach that identifies nonrelevant weights in any speel aligne (i.e., convolutional, high connected, attentifies in provement of classical weight decay, is based on the definition of a regularization and embedding posed to any loss function regardless of its form, resulting in a unified general framework exploitable in many different contexts. The sciual elimination of parameters identified a intreduct is handled by an iterative priving algorithm. The captote the possibility of an interdisciplinary use of our proposed technique, we test it on six different image classification and natural language generation tasks, when the start which for air based on real distances we reals starts-other are performance in one out of four imaging tasks while obtaining results better than competitions for the others and one out of use of the considered language generation tasks, boil in terms of compression and mercics.	10.1007/s10489-022-04353-y	
	artificial intelligence- based question- answering systems in	WILEY INTERDISCIPLINA RY REVIEWS- DATA MINING AND KNOWLEDGE DISCOVERY				conversational agents, ChatGPT, health care, machine learning, EMBODIED CONVERSATIONAL AGENT, ASSISTANT, CHATBOT, FEASIBILITY	Use of conversational agents, fixe chatbots, avatars, and robots is increasing worldwide. Yet, there iffectiveness in health care is largely unknown. The aim of this advances releaves us to assess the use and effectiveness of conversational agents in avrices fields of health care. Alterstature search, analysis, and synthesis were conducted in february 2021. PubMed and ONALI. The included videore was analyzed narrarityby employing the principle of thematic analysis. We reviewed articles on artificial intelligence-based question-anawering systems in health care. Most of the identified articler sport is effectiveness; less is howards about article world the system is an earlier on any system. This article is categorized under-Fundamental Concepts of tabas and forwledge > Human Centricity and User interactionApplication Areas > Health CareTechnologies > Artificial Intelligence:	10.1002/widm.1487	
Q. Chen, Lu, Y. B., Gong, Y. M., Xiong, J.		INTERNET RESEARCH				Satisfaction, Cognitive trust, Affective trust, Perceived value, Customer loyalty, INFORMATION-SYSTEMS SUCCESS, MULTIPLE-ITEM SCALE, E-COMMERCE, CONSUMER PERCEPTIONS, USABILITY CONCEPTUALIZATION,	PurposeThis study investigates whether and how the service quality of artificial intelligence (AI), chatbots affects contomer logarity to an organization.Design/methodiogs/geporabilization on the sequential data model of service quality (path), this study first classifies A chatbot service quality into nine attributes and then develops a research model to explore the internal mechanism of how A databot service quality affects customer polysty. Then analysis of survey data form 35% prepriodents provided ingitis into the internetiationships among AI chatbot service quality stirbutes, perceived value, cognitive and affective trust, satisfaction and customer logality fraings. The start show that AI chatbot service quality goatively affects customer logality through precised values, cognitive trust, affective trust and satisfaction.Originality/valueThis study captures the attributes of the service quality in the information system (IS) field and extends the sequential chain model of quality logality to the contender of AI service. The findings not contribute an organization find an way to inprive customer's perceiva- value, trust, statisfaction and logality but also provide guidance in the development, adoption, and post-adoption stages of AI chatbots.	10.1108/INTR-09-2021-0686	
Park, S.		ELECTRONIC COMMERCE RESEARCH				Motivation, Artificial intelligence, Global pandemic, COVID-19, Fear, Generation cohort, Robot-human interaction, BEHAVIORAL- RESEARCH, SELF- DETERMINATION, SUPPORT, IMPACT, SATISFACTION, PERSPECTIVE, ACCEPTANCE,	As chattos become more advanced and gopular, markeling research has gaid enormous attention to the interecedents of commune adoption of chattoss. This has accome increasing relevant because chattos can kelp mitigate the far and lonelines caused by the global pandemic. Therefore, unlike previous work that focused on design factors, we thereits that social presense zeros: a molisting role between consume motions (i.e., hedonic and utilitarian) and interioris to use a chattos travice based on self-determination theory. Our results from a structural equation model (n = 377) indicate that hedonic (but on utilitarian) motivation anglinicantly affects chattory's calculations (i.e., before), tables to the hedonic (but on utilitarian) motivation anglinicantly affects chattory's calculations (i.e., before), tables to the structural equation model (n = 377) indicate that chattos tervice. We also found that fear of COVID-19 amplifies the effect of social presence on intention to use the chatbot service. In this dynamic, we found an additional moderated motivation (i.e., dependicino), and official presence on intention to use the chatbot service. In this dynamic addition additional moderated motivation (i.e., dependicino), and in different levels of far of COVID-19. Overall, our findinge emphasise the importance of motivation-matching features for consumer addition of chatbot service. Dis findings in biodicate that markers may utilize the fear element to increase adoption of chatbot services, especially when targeting the young generations (e.g., Generation 2).	10.1007/s10660-022-09662-5	
	Development of a chatbot for depression: adolescent perceptions and recommendation \$					adolescent, behavioral activation, digital intervention, conversational agent	BackgroundChathots are a relatively new technology that has shown promising outcomes for mental health symptoms in adults; however, few studies have been done with adolecates or reported adolecant user experiences and recommendations for chathot development. MethodWinety the participants ages 21 as 10 k-lage 12 as 10 graged in user testing of a duttod developed to psychoducate adolecates on depression, teach behavioral activation, and change negative thoughts. Thematic testing and the symptometry of the symptometry o	10.1111/camb.12627	
B. Gordijn, ten Have, H.	evolution or	MEDICINE HEALTH CARE AND						10.1007/s11019-023-10136-0	
н.	Bots with Feelings: Should	PHILOSOPHY INFORMATION SYSTEMS RESEARCH				intelligence, conversational agent, chatbot, customer service, emotional contagion, expectation-disconfirmation, relationship norm orientation, EXPECTANCY VIOLATIONS, SATISFACTION, CONTAGION, QUALITY, ONLINE, MODEL, DISPLAYS, MIND, CONSEQUENCES,	Customer service employees are generally advised to express positive emotion during their interactions with customers. The rise and maturity of artificial intelligence (A)-powered conversational agents, also known as chatoks, beg the question: should AI agents be equipped with the ability to express positive emotion affects customers' service evaluations. We argue that AI- expressed positive emotion can influence escionsers via dual pathways: an affective pathway of entotical contragion and cognitive pathway of expectation-disconfirmation. We propose that positive emotion expressed by an A agent (versus a human employee) is les effective in facilitating arrive evaluations. Easier of a heighteed level of expectation. Study and agent (versus a human employee) is les effective in facilitating arrive evaluations because of a heighteed level of expectation. Study affects their expectations toward the AI agent and moderates the cognitive pathway, feasi fictions three laboratory experiments substantiate our claims. By reenaling a distinctive impact of positive emotion expressed by an AI agent compared with a human employee, these findings deepend our luderates thing cognitive controls not emotional Ais, and they offer valuable insglits for the deployment of Ais in customer service.	10.1287/fsre.2022.1179	
L. Henrickson	Chatting with the dead: the hermeneutics of thanabots	MEDIA CULTURE & SOCIETY				deadbots, digital endurance, digital ghosts, digital immorality, human-machine communication, natural language generation, natural language processing,	In 2021, the San Francisco Orvenicle released a feature article about a man who chose to resurrect his deceased fiancee by training a chabtor system built on OpenATS GPT Imagae models on her oil digital mesages. It then in ad emotional conversations with this chabtor, which appeared to accurately mine the deceased from Within gaves. This case subly raises questions about the communicative influences of thanabots: chabtos trained on data of the dead. While thanabots are dearly not him, governational partners, the reform Care explaye specific explaye specific explaye specific and accurate the specific explaye specific and the dead built active that the dead built chambots for hims guess. This paper applies a lifeword perspective to consider the hermenetics of thanabots. It shows that thanabots certain ang limage of efforts to communicate with the dead, but activativelegis that thanabots must be more thoroughly studied for better understanding of what it means to die in a digital age.	10.1177/01634437221147626	
Wang, H.,	FinBERT: A Large Language Model for Extracting Information from Financial Text	ACCOUNTING				model, transfer learning, interpretable machine learning, sentiment classification, environment, social, and governance (ESG), EARNINGS, READABILITY, DISCLOSURE	We develop FinBERT, a state-of-the-art large language model that adapts to the finance domain. We show that FinBERT incorporates finance knowledge and can better summarize contextual information in financial texts. Using a sample of researcher-labele stentors from analysis report, we document that FinBERT attachtable outperforms that Logistra and McDonald dictionary and other machine learning algorithms, including naise Bayes, support vector machine, random forst, convolutional neuronary, and togs how term memory in summer classification. Our results show that FinBERT exists in dettifying the positive or negative sentiment of sentences that other algorithms mislade as neuron. Our results show that FinBERT exists in dettifying the positive or memory in the finance strate other algorithms mislade as neuron. Buyes, buyes are indexistence of the control of the sentences that other algorithms mislade as neuron. Buyes are discussions railence on memoratic memory and the machine of the sentences that the text and the sentence in texts containing financial work not frequench used to general texts. FinBERT also cooperforms other models in identifying discussions railence environment, costad, and generance issues. Lak, we show that for the responsible meterilitation texts in formativeness of earnings conference calls by at least 18% compared to finBERT. Our results have implications for academic researchers, investment professionals, and financial market regulators.	10.1111/1911-3846.12832	

Lopez, Ferri, C.,	Can language models automate data wrangling?	MACHINE LEARNING		Data science automation, Data wrangling, Language models, Machine learning pipelines	The automation of data science and other data manipulation processes degred on the integration and formatting of "messy' data. Data varinging is an underlate term of here teddous and time-consuming tasks. Tasks such as transforming dates, units of hards. Data varinging is an underlate term of here teddous and time-consuming tasks. Task such as transforming dates, units of hord cus of the examples, and (2) the problem degred heaving via domain how/degred, interestingly, tagget language models today (1) can infer from very feve examples or even a short cue in natural language, and (2) can integrate vast anounts of domain how/degr. It is then an important research question to analyee whether language models are a promised parcotaft for data warging, especially as their capabilitie continue growing. In this paper we apply different variants of the language model denomes the analyee and francomic (207). To her batteries coorting a warder ange of data wangling problems. We compare the effect of prompts and few-bot regimes on their results and how they compare with specialized data wangling systems and other tools. Cum anglinding is that they appear as a powerful tool for a wist energy of data wangling systems. We compare the guidelines about how they can be integrated into data processing pipelines, provided the users can take advantage of their flexibility and the diversity of tasks to be addressed. However, reliability is still an important issue to overcome.	10.1007/s10994-022-06259-9	
Y. R., Xu, J. H., Yu, Y. C., Shen, P., Song, X. M.	Language Model for Multimodal Sentence Summarization	INTELLIGENCE RESEARCH		Multimodal sentence summixitatio (MMSS), generative pre-trained language model (GFM), natural language generation, deep laaming, artificial intelligence	sentence and its corresponding image. Although existing methods have gained promising success in MMSS, they overfoods the powerful generation tability of generative per trained language models (GRML), which we show to be effective in many test generation tasks. To fill this research gap, we propose to using GRMs to promote the performance of MMSS. Notably, adopting GRMs to solve MMSS intentiably faces two challengess :) UMAN tition strategy should we use to inject sub- info the GRMs and the second strategy and the second stra	10.1007/s11633-022-1372-x	
E. B. Kang, Kang, Y. A.	Counseling Chatbot Design: The Effect of Anthropomorphi c Chatbot Characteristics on User Self- Disclosure and Companionship	JOURNAL OF HUMAN-		SOCIAL RESPONSES, MANIEST PRESIMALITY, INCREASES TRUST, THERAPIST, PSYCHOTHERAPY, RECOGNITION, GENDER, COMPUTERS, LANGUAGE, IMPACT	In recent years, there has been agrowing interest in chabdos: that play counseling roles in the psychological health field. Previous studies have proposed counseling databots, however, they have not examined the antihrogomorphic characteristics of agents in detail. In counseling studions, the characteristics of counselors and counseless affect the counseling performance. This study proposes a counseling chatabot perform an insteal interview and dataBitte the antihrogomorphic characteristics of the chatabot into three dimensions; gender, personality, and visual interface cue-to examine these characteristics defined was observed for the gender of the chatabot or personality dimensions; however, a visual interface cue adversity alfected the self-adicours and companisohips. Moreover, we comine the utiliferences caused by use characteristics to interface was observed for the gender of the chatabot or personality dimensions; however, a visual interface cue adversity alfected the self-adicours and down that visual interface cue solution and personality dimensions. The adversite advection of the combination of anthrogomorphic characteristics. Furthermore, we found that the performed duatod childreed according to gender. These results antihrogomorphics that cleans the solution of the solution of the solution tables and the solution. The anthrogomorphism of the chatbot needs to be adjusted according to be user characteristics.	10.1080/10447318.2022.2163775	
	Application of Pretrained Large Language Models in Embodied Artificial Intelligence			embodied artificial intelligence, large language models, common sense knowledge, construction of action plans	A feature of tasks in embodies antificial intelligence is that a query to an intelligent agent is formulated in natural language. As a result, natural language processing methods have to be useful to transform the query into a format convenient for generating an appropriate action plan. There are two basic approaches to the volution of this problem. One is based on specialized models intrained with particular instances of instructions transformation query executive Query and the strated models ability of large language models trained with a large amount of unlabeled data to store common serve knowledge. As a result, such models can be used to generate an agent's action plan in natural language without preliminary learning. This paper provides a detailed review of models based on the second approach as applied to emboded untificial intelligence tasks.	10.1134/51064562422060138	
	The impact of chatbots using concept maps on outcomes-a case study of programming courses	INFORMATION		Program learning, Chatbol, Concept map, Online learning	With the development of science and technology, the demand for programmers has increased, however, learning computer programs in our an assi task. In right care a significant impact on programming in the inconceptions exist at the beginning of the study. Hence, It is important to discover and correct them immediately. Chattots are effective teaching aids, they can assist students in eliminating misconceptions. They also assist teaching to instruct students according to their application, which teaches found it hand to accomptiblic without technical supports when teaching in large classes. Therefore, this experiment uses chattots to assist learners in the correction plase. We consider that learners who failed unit quizze might have misunderstandings in programming concepts. It is not effective that nationation testing is addition, to prevent humas compate interaction barries, such as picking young leaves and giving plastille regime, so learners not being plate to structure for each chattor. The marsh test the checks to se plate incorectly in each structure and chattots. The same testing to the chattots to application concepts in each unit systematically and legically. The chattots give questions according to the concept on the concept maps and as learners to relay with their answers. An ARCVOLA test immegated structure. Second Plate Stude with a structure structure of the structure of the structure for advice structure for advice structure for advice structure for advice structure barries. Result showed the produce that plates in development and the answers. An ARCVOLA test immegated structure is concept and the structure structure for advice structure for advice structure structure barries. Result showed the produce that plates the the group using concept map chattots has better correction effects than the other group using onverpt maps.	10.1007/s10639-022-11506-6	
Bishop, A., Gonzalez, M., Illencik, D., Campos-		NEW MEDIA & SOCIETY		Artificial intelligence, chatbots, emotional dependence, grounded theory, mental health, Reddit, CONVERSATIONAL AGENTS, ATTACHMENT, RESPONSES, MACHINES, VIOLENCE, GENDER	Social chatbot (SC) applications offering social companismentip and batic therapy tools have grown in popularity for emotional, social, and psychological support. While use appears to offer mental health beeffits, for SC stars unack the patiential for- mental health integration of the stars and the stars and the stars and the stars and the patiential for- mental health integration points make in the (Highina Redit Community between 2012 and 2021 (n - S2)). We find evidence harms, facilitated via emotional dependence on Regita that resembles patients use in human-human relationships. Unlike other forms of factoridog dependence, with signations (in an emotion and the product star and the patient stars). Unlike other forms of factoridog dependence, we identify social and technological factors that promote parallels and suggest ways to balance the benefits and risks of SCs.	10.1177/14614448221142007	
Clausen, M., Shaw, A., Lee, W. W., Krishnapillai, S., Adi- Wauran, E.,	qualitative study exploring patients' acceptability of chatbots in genetic service	HUMAN GENETICS		BRADT-CANCES SUSCEPTIEUT: SUSCEPTIEUT: PROGRAM, HEALTH	Databox, web-based antificial intelligence tools that simulate human conversation, are increasingly in set to support namy states of genume medicine towerser, particip preference towers (a single atabox, action the range of drain lettings are unknown. We conducted a gualitative study with individual who underwent genetic testing for themselves or their critic Participants were acided about their gredences for using a clubication within the genetic testing for themselves or their critic employing interpretive description was used. We interviewed 3D participants (57K femate, 50K 50 - years), Participants considered databox to be infelicient for very simple tasks (e.g., anvening FAQ) or very compete tasks (e.g., equaliting result). Chattots were acceptable for moderately complex tasks where participants perceived a favorable return on their investment of time and energy. In addition to achieving in "sivest sing", "anticipants antizipant that their conflox who tabots would increase if the chatbot was used as a complement to but not a replacement for usual care. Participants and addition to achieving datasets by the chatbot. This study provides timely indigitative participants and perceived limitations of chatbots for genomic medicine and can inform their implementation in practice.	10.1007/500439-022-02512-2	
Verdonik, D., Majhenic, S.,		LANGUAGE RESOURCES AND EVALUATION		Corpora and language resources, Speech corpus, Multimodal corpus, Pragmatics, Conversational Intelligence, Discourses MARKIGAS, SecEUN CORPORA MARKIGAS, SecEUNES, ANNOTATION, SYSTEM	This paper focuses on gaining new knowledge through observation, qualitative analytics, and cross-modal fusion of rich multi- layered conversational features expressed during multiparty discurse. The oxilined research stems from the theory that speech and co-speech gastros originate from the same representations in oxiolwy that papech and gestures multi- motization is not solved to the same representation is conveyed by syndronously fusing speech and gestures multi- mostigation in death. Therefore, this paper introduces an integrate annotation is theread to motivate them and methodology which opens the opportunity to study verbal (i.e., speech) and non-verbal (i.e., visual cues with a communicative intent) components independently, however, till intercommitted over a common timeline. To analyse the interaction by these spanning syntax, POS, dialogue acts, discourse markers, sentiment, enclosing, consisting of several annotation is solve the tendency to discourse to coincide with non-verbal behaviour of non-propositional origin. The case analysis further highlights how the envelvy created coverasional non-relay behaviour of non-propositional origin. The case analysis further highlights how the understanding of multiparty discourse.	10.1007/s10579-022-09627-y	
N. Mulla, Gharpure, P.	question	PROGRESS IN ARTIFICIAL INTELLIGENCE			Question generation in natural language has a wide variety of applications, it can be a helpful tool for chatbots for generating interesting questions as also for automating the process of question generation from a pace of ract. Most modern dary systems, which are covervational, require question generation ability for identifying the user, redex and service gatomers better. Generating questions in natural language is now, a more evolved task, which also includes generating questions for an image or does in this server, we provide an overview of the restarch of regress in automatic question generation. We also present a broad sure-cases, namely standardse question generation, visual question generation, and conversional question generation, when ext discuss the datasets available for the same for ada use cases. We further direct this review towards applications of question and discuss the challenges in this field of research.	10.1007/s13748-023-00295-9	
Oesterreich, Anton, E., Schuir, J.,	you? Design principles for task-oriented speech dialog	INFORMATION SYSTEMS AND E- BUSINESS MANAGEMENT		Experiment, SCIENCE	organizations are increasingly delegating customer inpairies to speech dialog spramm (SDGAI to save personnel resorrces). However, customers often regort functional mode interacting will SDGA due to poorly deligned solutions, Dealte these sissues design howelegs for SDSA in customer service remains duuke To address that research gap, we employ the design science approximation devices a design theory for SDSA in customer service. The design theory, including 14 regularements and flue design principles, draws on the principles of dialog theory and undergoes validation in three Iterations using five hoytehees. A summative evaluation comprising a two-paice experiment with USDS participants viels positive results regarding the surger experience of the artifact. This study contributes to design howdege for SDSs in customer service and supports practitioners striving to implement similar systems in their organizations.	10.1007/s10257-022-00570-7	

Nagpal, P., Shah, T., Sharma, A., Malvi, S.,	Improving mathematics assessment readability: Do large language models help?	JOURNAL OF COMPUTER ASSISTED LEARNING		assessment, readability, text impilication, STORY PROBLEMS, TEXT, COMPREHENSURITY, CONCRETENESS, RECALL, RULES	BadgroundReadbillty metrics provide us with an objective and efficient way to assess the quality of educational texts. We can use the readbilly means for finding assessment items that are efficiant to read or gave paralleles. It is its its its its its its its its its		
Sivathanu, B., Metri, B.,	Students' adoption of Al- based teacher- bots (T-bots) for learning in higher education	INFORMATION TECHNOLOGY & PEOPLE		Personalization, Interactivity, Anthropomophism, TAM, Perceived Intelligence, PLS SEM, TECHNOLOXY ACCEPTANCE MODEL, MXECO HETHOOS RESARCH, BIG DATA, INTENTION, ROBOTS, ANTECEDENS, INFORMATION, CHATBOT	Purpose The purpose of this paper is to investigate students' adoption intention (ADI) and actual usage (ATI) of antificial intelligence (A)-based tacker bost; (Tocho) for learning using technology adoption model (TAM) and context-specific variables. Design/methodology/approachA mixed-method design is used wherein the quantitative and qualitative approaches were used to applice the adoption of Tochos for learning. Overall (ABI) students of higher education institutes to under ADI and ADI	10.1108/ITP-02-2021-0152	
Harrando, I., Lisena, P.,		MULTIMEDIA SYSTEMS		detection, Zero-shot classification, Knowledge graphs, Face recognition	In this paper, we propose an unspended approach to generate TV senies summaries using screenplays that are composed of dialogue and screic ternal descriptions. The last years, the exaction of large langue models has enabled dors-ohd tet at dassification to perform effectively in some conditions. We explore if and how such models can be used for TV series summarization by portionality enables with varies that using screen be used for TV series summarization by portionality enables with varies that using screen be used for TV series and the screen scree	10.1007/s00530-022-01040-3	
Lee, D. H.,	Chatbot's Complementary Motivation Support in Developing Study Plan of E- Learning English Lecture	INTERNATIONAL JOURNAL OF HUMAN- COMPUTER INTERACTION		THEORY, PSYCHOLOGICAL NEED SATISFACTION, INTRINSIC MOTIVATION, EXTRINSIC MOTIVATION, STUDENTS MOTIVATION, STUDENTS MOTIVATION, AUTONOMY SUPPORT, TEACHERS, ORIENTATIONS, ATTRACTION, ENGAGEMENT	The present study investigates the effects of a chatbock's motivation support style on the learner's experience and intention to continue the study in the context of online fighils hetters. Severi-niere undergraduates tudent's were recursited from a large private university in Soud, South Korea, and assigned to one of three learning plan development groups: develop a plan alone, autooms upport (L.e., a chatbot stimuling intrimisk endivation), or contrist support (L.e., a chatbot promiting extinsic and strainer). The learners were dissified into two groups based on their learning motivation types (L.e., intrinsic and extiruinic), and by doings to, the present study created a chatboth's matched and non-mapport conditions in learning plan development. The two support strategies were compared with a control condition (L.e., learners' own plan maing), and the results suggest that a chatboth with anon-matched motivation stratest effectory, endywater, and intention to continue using the lecture. Furthermore, the study also explores the moderation effect of learning provides mere insight into improving user evaluation by strategically differentiating a chatbot's conversational style and a user's characteristics.	10.1080/10447318.2022.2163786	
	Influence of chatbots on purchase invtention in social commerce	BEHAVIOUR & INFORMATION TECHNOLOGY		inspirational appeal, social commerce, social presence, ulterior motives, INFLUENCE TACTICS, PERSUASION KNOWLEDGE, BRAND ENGAGEMENT, SALESPERSON, CONSUMER, INFORMATION, PERCEPTIONS, TECHNOLOGY, TRUST, ORGANIZATIONS	The research investigates the effects of chabited-efficienced verhal (inspirational agreeds) and non-webbil (inspirational agreeds) and non-webbil (inspirational agreeds) and non-webbil (inspirational agreeds) and the institutes of social present could will be inspirational inspirational agreeds) and the subscription of the	0.1080/0144929x 2022 2163188	
U. Tandon	Chatbots, virtual- try-on (VTO), e- WOM: modeling the determinants of attitude' and continued intention with PEEIM as moderator in online shopping	KNOWLEDGE MEMORY AND COMMUNICATIO		Virtual try-on technology, eWOM, Institutional mechanismi, Interactive communication, SELF- DETERMINATION, SOCIAL MEDIA, PERCEIVED BEFECTIVENESS, CUSTOMER SATISFACTION, IMPACT	Purporte purpose of this study is to develop an empirical model by understanding the relative significance of interactive technological forces, such activities, wirk all try on technology (VD) and e vordor formoth (#vDM), to improve interactive marketing experiences among consumers. This study also validates the moderating role of the purceved effectiveness of e- commerce institutional mechanismin (EEM) as a moderator between attitude and continued intertain. Design/interactive and trug and the study. Finding and works that the survey questionnaire was started on effect and study. Findingse WDM emerged as the strongest predictor of attitude, followed by chattocks and VTD. The results of this study renealed the PEEM did no moders the relationship between attitude and online unders, this study are study that PEEM did no moders the relationship between attitude and continued intertion. Originality/value/stings the self-determination theory and behavioral reasoning theory as theoretical frameworks, this study as modera to capital the study. Therefore, in turn, act as significant contributors to online shopping satisfaction.	10.1108/GKMC 06-2022-0125	
T. K. F., Chai,	The mediating effects of needs satisfaction on the relationships between prior knowledge and self-regulated learning through artificial intelligence chatbot	JOURNAL OF EDUCATIONAL		education, prior tamoviedge, self-determination theory, self regulated learning, MOTIVATION, STARTEGIS, AUTONOMY, RELATEONESS, AUTONOMY, RELATEONESS, ENVIRONMENTS, ACHIEVEMENT, ACCEPTANCE, ENGAGEMENT	The anthropomorphic characteristics of antificial intelligence (A) can provide a positive environment for self-regulated learning (SR). The factors aftering addressent's SH through Al technologies remain uncles. Limited Al and displany knowledge may affect the students' molivations, as explained by self-determination theory (SDT). In this study, we examine the mediating effects of needs students' molivations, as explained by self-determination theory (SDT). In this study, we examine the mediating effects of needs students' molivations. Data were collected from 323 9th Grade students through a quantitational end of a students' periodic students' periodus totalizing (Fightian) and competence mediated the relationship between total the learness of the students' periodus knowledge of fightia but of their students' mediations of the students' periodus students through a competence mediated the relationship between tooth involvedge (A and registra) and SRL, but relatedness add not. The self- directer nature of STL requires theory comprise learning and students' periodus knowledge of fightia but of their students' periodus learning and students' periodus knowledge of students nature of STL requires theory comprise learning and students the charlos, and their students' and the students' monoredge consolitation purposes, but not in StL explorations: Periodus Monoredge and STL explores theory and their students' and students' monoredge consolitation in StL explorations' periodus between students' periodus (Rodd in disclaring in Students' students' students' the charlos students' students' in the charlos' students' periodus (Rodd in addist) for StL. Technical and disciplinary innoveledge would affect StL with technologies. What this paper add/stThis study examines the mediating effects of needs studiation in St-of-determinical modes' periodus (Rodd and Antichense was not. Implications	10.1111/bjet.13305	
T. K. F., Chai,	The moderating effects of gender and need satisfaction on self-regulated learning through Artificial intelligence (AI)			Determination Theory, Artificial Intelligence, K-12 Education, AI Knowledge, Chatbot, TECHNOLOGY ACCEPTANCE, AUTONOMY SUPPORT, INFORMATION- TECHNOLOGY, MEDIATED COMMUNICATION, INTRINSIC MOTIVATION, USER	Artificial intelligence (Al) has the potential to support self-regulated learning (SRI) because of its strong anthropomorphic characteristics. Investment, most studies of an idenciation has the closed on capatities actionme in higher devices may anthropomorphic characteristics. Investment and the strong is in exclusion has been closed on capatities exclusions in the strong anthropomorphic characteristics. Investment have approbagical needs after SII with Al in the K-21 setting. SRI is a safe strengt a process drive by psychological factors. and relatedness. This study fills a reason paper by examining the moderating effects of need satisfaction and gender in specificing SII, and one closed 5 subtacts. The results indice that grip procession more and support than hose. In predicting SII, studies SII, when Al is noveletes is moderated by both gender and Al honologica, whereas statisfaction of the order or elaterises and the moderated by both gender and Al honologica, whereas statisfaction of the order order stress statist. The findings have implications for both teacher instruction and the design and development of intelligent learning environments.	10.1007/s10639-022-11547-x	
Ohme, J., de Vreese, C.	Chatbots and Online Surveys	COMMUNICATIO N METHODS AND MEASURES		CONVERSATIONAL AGENT, PERCEIVED SECURITY, NONRESPONSE RATES, COGMITVE-LOAD, SURVEY MODE, WEB SURVEYS, R PACKAGE, RELIABILITY, TRUST	As chatbots are gaining more popularity than ever, they have recently been considered as interesting tools for survey administration in sould science research. To espice this idea, we investigated the exact to which there are differences in response characteristics and data quality between a traditional, web-based survey and a conversational, chatbot-based survey (which we integrated in a instant messaging app). In addition, we comend into how responders a values were using a longitudinal design, we also explored how response characteristics evolved over a period of two weeks. Overall, we did not find evidence that chatbots right be texter survey, administration took than we burvey. On the contrary, the web survey often served to generate more laworable response characteristics and data quality. Finally, when it comes to user perceptions, we found that the chatbots right be better survey administration took than we for encode encodence of the serve and an exact based on these results, we draw conclusions about whether chatbots can be considered as valid attensitives for traditional web survey methods.	10.1080/19312458 2022.2156489	
Zhang, R. T., Zou, Y. G., Jin, D.	Investigating customers' responses to artificial intelligence chatbots in online travel agencies: the moderating role of product familiarity	JOURNAL OF HOSPITALITY AND TOURISM TECHNOLOGY		computer interaction, Information quality, SOR paradigm, Cognitive consistency theory, Tourism internet marketing, ?????? ????, SOR?, ?????? INTENTION, TECHNOLOGY, ACCEPTANCE, MODEL, RISK	PurgoeBits gaper aims to examine how consumers' perceptions of artificial intelligence [A](tablets influence individual' cognitive and emotional states and their subsequent behaviouril intentions vis-vis contine travel agencies (TAA). Design/instholding/upproxch/The survey sample comprised 556 costomers who had experience the use of travel AI chalbets in China surgita a continuition of online and offline questionnaires. Partial least squares structural equation modelling was used to bette the hypothese. Endings the results researed that interscion and information subjits, said Atabates timuli, significantly increase potential toorists trast and purchase intention. Preceived uselfuence plays a mediating vision in the isticonship among interactive, information quality, costome trast and purchase intention. For thermore, the findings indicates that ductates that with high product familiarity combiled greater trust in products demonstraing a high level of perceived subfines. Organity/visuble* integrating comprise construcy theory, that subjit hereits of thermore, within the trust of trustes in subjit of the stimula- organism-response framework on AI chalatos and provides academics with useful integrating the influence mechanisms of human-computer interaction and information quality on customer response within OTA settings.	10.1108/HTT-02-2022-6041	

	conversational technology to answer common COVID-19 questions	Journal of the American Medical Informatics Association	2021	28	4	850-855	coronavirus disease 2019, employer, government, health care utilization, human, medical information, organization, pandemic, time factor	The rapidly evolving science about the Coronavirus Disease 2019 (COVID-19) pandemic created unprecedented health information needs and dramatic change is policies globally. We describe a platform, Watson Assistant (WAL), which has been used to develop conversitional agents to develop the conversion of the conversional transversional agents the science use cases and implementations during the early pandemic and measured adoption through a number of user, messages sent, and conversational transversional agents to the science agents. Thirs's sense institutions in 3 countris deployed COVID-19 conversational agents with WA between March 30 and August 10, 2020, including 24 governmental agencies, 7 employees, 5 provide organizations, and 1 hasht plan. One 6 a million messages were delivered through the platform. The mean number of conversational turns per session ranged between 1.9 and 3.5. Our experience demonstrates that conversational technologies can be rapidly deployed for pandemic response and are adopted globally by a wide range of users.	10.1093/jamla/ocaa316	http://www.embase.com/sasch/rsudts?aubaction wiewecontbliet.202164605&from=export, http://dx.doi.org/10.1093/jamia/ocaa316
	Legal Studies: Do androids dream of electric lawyers? The ethics of legal chatbots		2022	47	4	314			10.1177/1037969X221133273	https://www.scopus.com/inward/record.uri?eid=2- s2.0- 85140975006&doi=10.1177%2/1037969X2211332 73&partner(D=40&md5=31ae11048d0a0b5034eac 1fc5bdbb4cc
	Vector Representations of Idioms in Conversational Systems	Sci	2022	4	4		systems, idioms, vector representation	In this study, we demonstrate that an open-domain conversational system trained on iddoms of figurative language percentes more fitting response to prompts containing discons. Iddoms are a part of everyday speech in many languages and a zons amory cultures, but they pose a great challenge for many natural language processing (NLP) systems that involve tasks such as information criterian (B), machine translation (M), and conversation altrificial intelligence (A). We utilised the Petertain Iddomatic Expression (PIE)-English idom corpus for the two tasks that we investigated: classification and conversation generation: We alcredet a state-of-the-art [EOS/I result of a B9/M raco F1 score on the classification tasks by using the 5-07. A model. We experimented with htree instances of the 507. dialogue model—the biologue Generative Pre-trained Transformer (DalcoPT)—for concession generation. Their performances were evaluated by using the adomatic emrity, perpisor), and a human evaluation. The results showed that the model trained on the idom corpus generated meet fitting response to prompts continuing disons 71.5 of the tunie in comparison with a similar model that was not trained for half som corpus. We have contributed the model checkpoint/demo/code to the lunguing/face hub for public access. © 2022 by the authors.	10.3390/sci4040037	https://www.scopu.com/inward/record.ur/Reid-2- 2-0- 85146862602.doi:10.3390%2fsci40400378.partne 100=08.md5=81eb55c8c92cd7b7bee3e30da84228 d
F. Agbavor, Liang, H.	Intelligence- Enabled End-To- End Detection and Assessment of Alzheimer's Disease Using Voice	Brain Sci	2022	13	1		dementia, end-to-end, large language models, speech and language	There is currently no simple, widely available iscreening method for Abhemer's diaese (AD), partly because the diagnosis of AD is complex and typically involves experises and domentic missionalise tests not commonly valiable oxide heighly specialized clinical settings. Here, we developed an artificial intelligence (AI)-powerd end-to end system to detext AD and predict its seenity directly from oncie recordings. At the core of our system is the per-trained datazee model, the first high-performance self-supervised algorithm that works for speech, wision, and text. Our model was internally evaluated on the ADReSSO (Alzhemer's themating local activation) of DAB and DABs and DAB and DAB and DAB and DAB and DAB escretification of the core (ALC) of DAB and DABS and DAB and DAB and DAB and DAB and DAB and DAB and DAB calibrated (Income-Lemechov goodness-of-fit p-value = 0.9561). Moreover, the model can reliably predict the subject's compline testing scoles sub-fit p-value = 0.95610. Moreover, the model can reliably predict the subject's compline testing scoles sub-fit p-value = 0.95610. Moreover, the model can reliably predict the subject's compline testing scoles sub-fit p-value = 0.95610. Moreover, the model can reliably predict the subject's compline testing scoles babed on any works reduced data babe and test esting the Algorithy and to end model for early AD diagnosis and severity prediction directly based on voice, showing its potential for screening ALthemer's disease in a community setting.		
Mahajan, S., Bozhuk, S.,	behavior in conversational	F1000Research	2022	11			intelligence, chatbot, consumer, convensation, digital technology, female, human, human experiment, major dinical study, male, marketing, natural language processing, online shopping, organization, structural equation modeling, trust	Conversational commerce is highly increasing via interaction through messengers. To extract the benefits of both trends, comparies have adopted messager databats. These chatbots and writidal intelligence and natural language processing to give like responses to the customer and assist colline shopping on the messenger interface. This research aims to discover the factors that affect the use of messenger databats and their influence on attitude and pelvision irretion. Methods the research methodology includes the Technology Acceptance Model [TAM] with the variables of perceived usefunes, perceived ease of use, consumer trusts, of holdened by Perceived Usedines, Researched and online survey for collecting the responses from 132 respondents and anthropomorphism. The authors used lace of Use. Also, the use of hatbots to melle well index on the influence on customer attuised forloaded by Perceived Usedhosts an interface for incommerce, use of hatbots to melle well index on the use of hatbots to melle and the low use of hatbots to make niteriate for an experiment. The use of hatbots to missing in the future. The authors used the index of used to the science and customer attuined forloaded by Perceived Usedhosts an interface for incommerce. Condisions: The future data colline is hopping in the future. The authors used colling indicate that provide antiger constraints in the authors used for the commerce and the condustion. The future and the indicate and authors attuined and the science is an experiment. The science and authors attacks are approximately and an authors provide a science is an experiment. The authors approach to conversational commerce based on anthropomorphic digital technologies.		http://www.embake.com/serio//esult/siubation wewcerodisticity34115948/me.export, http://dx.doi.org/10.12688/f1000research.122037. 1
N. Ben- Shabat, Shavit, G., Meimis, B., Ben Joya, D., Sioma, A., Kiderman, D., Shabat, A., Tsur, A. M., Watad, A., Amital, H.	gathering of chatbot based symptom	Int J Med Inform	2022	168		104897	19/diagnosi/epidemiology, Pandemics, Qualigo of Health Care, Software, Artificial intelligence, Chattosts, Computer-assisted diagnosis, Medical interview, Symptom Andexker, Telemedicine, Triage, competing financial intervests or personal relationships that could have appeared, to influence the work reported in this paper.	BACKGROUND: The burden on healthcare systems is mounting continuously owing to population growth and aging, overuse of medical services, and the resem COVD-19 pandemic. This overball selb acaims (actuated healthcare uprovides) that do not approximate the terminal setup is a pandemic. This overball selb acaims (actuated healthcare provides) setup. This of the healthcare provides systems. To the healthcare provides system is a system of a system of the system of th	10.1016/j.ijmedinf.2022.104897	
Henreid, A. J., Pevnick, J. M., Zheng,	Digital Tools Designed to Obtain the History of Present Illness From Patients: Scoping Review	Journal of Medical Internet Research	2022	24	11		technolog, electronic health record, finalse, health care quality, human, medical history, Medline, outcome assessment, patient information, peer review, PsyCMRO, review, usability, Web of Science	Background: Many medical conditions, perhaps 80% of them, can be diagnosed by taking a thorough history of present illness (MP). Nevere, in the clinical setting, situational factors such as interruptions and time pressure may cause interactions with patients to be brief and fragmented. Do estional for improving clinicanic ability to clicit a through their and maximus efficients. On origination of the setting is that and structure to be the three to be designed to be ability the interactions with patients to be brief and magneted. Do estimation to the distribution of the set three to be designed to be ability the interaction to the distribution of the setting of the set to be ability of the present setting is the set of the setting of the set of the setting of the setting is the setting of the setting of the setting of the setting is the setting of the setting of the setting of the setting of the setting is the setting of the setting of the setting of the setting of the setting is the setting of the setting is the setting of the setting is the setting of the setting is the tools. The setting is the setting is the setting of the setting of the setting is the setting of the setting is the tools. The setting is the tools were balance the tools and present the interfail of the setting is the setting of the setting is the setting of the setting is the setting is the setting of the setting is the setting of the setting is the set		http://www.embase.com/search/results?aubaction =vewerecordialet.20215548008/rom=seport, http://dx.doi.org/10.2156/36074
R. Bhagyalaksh mi, Maria, E. F.	ARTIFICIAL INTELLIGENCE- BASED HRM TECHNOLOGICAL TOOLS, IN HRM DECISION	Journal of Pharmaceutical Negative Results	2022	13		937-946	employee, human, human experiment, language, manager, molecular recognition, robotics, software	Artificial Intelligence plays ari indispensable role in enabling human capabilities in understanding, reasoning, planning, communication, and perception. The autorismolion of Al abilities creates new opportunities in Human Resource Development. Chatbot interfaces help in the multitasking process in HRM which includes shortisting, interviewa, and training programs. It reduces the burden of the RH manages are well as effectively outs the organization's process efficiently. The present study highlights Al-enabled eHRM technologies application in various software companies in Chemai (cit). The sample is collected from employees working in the T sectors using a convenient sampling method. The key focus of the study is one-aunining the Al-based HRM Technology Tools adopted by HR manages. The results show 12 Al-based HRM Technology Tools have been reduced into three dominant factors namely Muchine Language and Automation factor (RMF). It has been observed that Al-based eHRM Acknowledgement Fractor (MuL), and Abacticia and gala consultantic restor (RMF). The Asseed eHRM technology Tools and encours operas of resultment.	10.47750/pnr.2022.13.510.106	http://www.embasc.com/search/result/shubstion www.ecostiki-us/2021815098 (non-export, http://dx.doi.org/10.47750/pw.2022.13.510.106
	Deep learning and augmented radiology		2022			1.1-1.21		The effect of deep learning (D) in today's world is nothing less than dramatic. From self-driving cars, to performing hazardous tasks on inholphather terrais such as the seaded, to single chartot gling directions on mobile phone, and while lines have been affects. The cause of this massive development within very few years can be cellised to the rapidly decreasing cost of hardware and the variability of operacutes colvarse. The hardhare industry is also adapting deep learning technologies to delive fat and better services to patients. The volume of publications of D. capitations in healthcare has exceeded all other domains, in particular in radiology, where one deals with medical images. In this respect, this chapter provides an introduction to D. for radiologists, scientists, academiciane, etc. © IOP Publishing Ltd 2022. All rights reserved.		https://www.scopus.com/inward/record.un?Peid=2- 52.0- 82164280558.partnerID=408.md5=db06ddc0a24d 31bd3145al4ld3821bb9
Roig- Casasús, S., Igual- Camacho, C., Díaz-Díaz, B., Pérez-		Archives of Physical Medicine and Rehabilitation	2022	103	12	e125	conference abstract, controlled study, education, exercise, feasibility study, female, follow up, home rehabilitation, hospital language processing, outcome absentime, thuman, maken, natural language processing, outcome physiotherapy, randomized authorphasty, university hospital, usability	Research Objectives: To design and implement a Chatbot that interacts with patients via instant messaging to supervise domicilary rehabilitation and increase adherence. To conduct a feasibility tudy, Design: Pilot randomized trial (November 2021 to March 2022). Setting: Two university hospitals. Outpatient and domicilary rehabilitation. Participants: It Bindviduals, Beeder 20. who underwent primary total here replacement, that a personal smartphone, an instant messaging application installed, familiar with its use 15 accesses pail and able to consert. Interventions: Relation subversity and program feasibility of assistion with recommend home exercises. The appointed algo rape releved the ameducation, but the disculary para was supervised via Chatbot, with adomased interactions including messages to inform (e.g. about the disease, importance of compliance, programs), national, enablity, feasibility (recruitment and retention rates) and safety. Results: Compliance Messause: Compliance (primary, system audhity, feasibility (recruitment and retention rates) and safety. Results: Compliance Messause: Compliance (primary), system audhity, feasibility (recruitment and retention rates) and safety. Results: Compliance Messause: Compliance (primary), system audhity, feasibility (recruitment and retention rates) and one (primary) and a safety. Results: Compliance (primary), system audhity, feasibility (recruitment and retention rates) and one (primary) and safety. Results: Compliance (primary), system audhity, feasibility (retruitment and retention rates) and one (primary) and safety. Results: Compliance (primary), system audhity, feasibility. The safety of the rate of loam how to two existence and one did not perform any assessment suggests that the tool mark have to use (primary and one did not perform any assess on the action. Conclusions: A. Other that communicities and used in the result and one did not perform any assessment and anomale direcial triat to determine the clinical primary bassess complian		http://www.embase.com/search/results?aubaction =viewrecord&id=12021304291&from=export, http://dx.doi.org/10.1016/j.apmr.2022.08.764

						_				
K., Leger, P.		APPLIED SCIENCES-BASEL	2022	12	24		response, privacy, human- chatbot interaction, SELF- DISCLOSURE, E-COMMERCE, PRIVACY NOTICES, ONLINE,	Drawing from the tension between a company's desire for customer information to tailor experiences and a consume's need for privacy, this study aims to test the effect of wore information disclosure nuelges on user' information disclosure behaviors. Whereas previous literature on user-dutato interaction focused on encouraging and increasing user' disclosures, this study inforduce: measures that make users consolous of their disclosure behaviors to low and high-sensitivity questions saked by chattobs. A within-subjects laboratory experiment entailed 19 participants interacting with chattobs, responding to per texted questions enaitivity negatively impacts users' information disclosure to chattobs. Moreover, this study singles that dding a sensitivity signal-persenting the level of associativity of the question saked by the dutator-fundence success. I information disclosure behaviors. Finally, the theoretical contributions and managerial implications of the results are discussed.	10.3390/epp122412660	
D. Castelvecchi	Are ChatGPT and AlphaCode going to replace programmers?	Nature	2022				Machine learning, Mathematics and computing		10.1038/d41586-022-04383-z	
	HIGEA: An	Research and	2022	19	23		assessment, caregiver, caregiver burden, digital technology, human,	Mental health disorders increasingly affect people worldwide. As a consequence, more families and relatives find themselves acting as caregivers. Most often, these are untrained people who experience lonelines, abandomment, and often develop signs of depression (i.e., cargiver burdens synthesis). In this only, we present HIGLA, a glial bysetima add on a conversational agent to help to detect caregiver burdens. The conversational agent naturally embeds psychological test questions into informal conversations, which and in consenting the adherence of use and avoiding user black, proof-doconcept is developed based on the popular 2arit Test, which is widely used to assess caregiver burden. Preliminary results show the system is useful and effective.		http://www.embate.com/search/result3tubaction =vewercord8id=120233302698/nom=export, http://dx.doi.org/10.3390/jerph192316019
Baracas, L., Hashioka, G., Bonadio, C., Hachul, H.,	EFFICACY OF A MULTICOMPONE NT CBTI PROGRAM WITH CHATBOT AND	SLEEP MEDICINE	2022	100		\$135- \$135				
Zhao, H., Li, B., Zha, X. P., Wang, H. Q.,	interaction for	CONNECTION SCIENCE	2022	34	1	2559- 2576	lexicon, commonsense knowledge, EmpatheticDialogues dataset, empathetic conversation generation	A popular chatbot can generate natural and human-like responses, and the orxial technology is the ability to understand and approxiate the emotions and demands expressed from the perspective of the user. However, some empathetic dialogue generation mode only operable in commonstene and neglex condox, which can only get a one-side dimetrizating of the user's attation and makes the model unable to express emotion better. In this paper, we propose a novel affective feature howerings interactive model annobel unable to express emotion better. In this paper, we propose a novel affective feature to obtain emotional interactive contex by leveraging fine grained emotional features and commonsees knowledge. Furthermore, we utilis an emotional interactive contex by leveraging fine grained emotional features are to well capture the suble difference of the user's emotional operacion, and the commonsees knowledge. Furthermore, we utilis an emotional interactive contex, on a the commonsee knowledge moves the representation of affective information on generated response. Extensive experiments on the empathetic conversation taxid emotion of affective approximates the response. There endoin a curvacy and stronger empathetic ability compared with baseline model approaches for empathetic response generation.	10.1080/0954009120222134301	
	Artificial Intelligence Versus Conventional orthosis	Journal of Pharmaceutical Negative Results	2022	13		2898- 2901	foot orthosis, article, artificial intelligence, autonomous vehicle, clinical practice, comparative study, feedback	We're winnessed remarkable development in the domains of robotics and narificial intelligence during the previous decade. Insovators have been loading for methods to merge people and hofts, and in certain cases, to demands the manos entriely. We're senge delivery drones, scurity robots, and other robotics applications. Chatbots, self driving cars, and speech recognision have all made important advances in AL-theshaps most importantly, advancements in artificial intelligence and robotic technology in health care are boosting patient treatment and care. Physical therapy is one field that is making use of both technologies, with a special emphasis on those who have movement difficulties as a result of neurological damage.		http://www.embare.com/servic/freut/trubuktion wiewerxordiki-trubuktion21817388/memepont, http://dx.doi.org/10.47750/pmr2022.13.506.376
Brenner, S.,	Artificial intelligence for strengthening healthcare systems in loward and möddle- income countries: a systematic scoping review	ngi Digital Medicine	2022	5	1		support systems, Health care, Search engines, Al Technologies, Applications of Al, Global health, Grey Ilterature, Healthcare systems, Ilterature search, Low income countries, Middle- income countries, Middle- income countries, Scoping review, Search terms, Artificial intelligence, algorithm, clinical decision support system, coronavirus	In low- and middle-income countries (LMICs). At has been promoted as a potential means of strengthening healthcare systems by a growing number of publications. We aimed to evaluate the scope and nature of AI technologies in the specific context of LMICs. In this systematic scoping review, used a broad writery of AI and healthcare search terms. Our leads the specific context of LMICs. In this systematic scoping review, used a broad writery of AI and healthcare search terms. Our leads the specific context of a LMICs. In this systematic scoping review, used a broad writery of AI and healthcare search terms. Our leads the reported a quantitative and/or qualitative evaluation of a reli-word application of AI in an LMIC health condext. A total of 10 references evaluating the application of AI in an LMIC were include. Applications write writery include: clinical decision support systems, treatment planning and trage assistants and health clustosts. Only half of the papers reported which algorithms and reliability mide intracts on workflows, por user fincifications and all clinic discopies without evaluation the application of AI in an LMIC health condext a total of 10 references evaluating the application workflow application of AI with a difficult and writer and the application of AI in a LMIC health condext. A total of 10 references in a strength of the strength and the application of AI in a LMIC health condext. A total of 10 references in a strength and the application of AI in a LMIC health condext. A total of the specific and tooks, such a limited data and adaption workflows, por user fincifications and add of the used AI in healthcare in LMICs are needed in order to identify their effectivenesis a LMIC. Additional evaluations of the use of AI in healthcare in LMICs are practices for future implementations. © 2022, The Author(s).		https://www.scopu.com/inward/record.un?iedi=2- s2.0-65140783778doi=10.1038/2/141746-022- 00700- v@partnerD=408md5=2eb00es27167acd01dfeffa 31ea151ab
Labeau, M.,	Socio- conversational systems: Three challenges at the crossroads of fields	Front Robot AI	2022	9		937825	learning, Multimodality, Natural language processing, Social signal processing, Socio- conversational systems, commercial or financial relationships that could be	Socio-convertational systems are dialogue systems, including what are sometimes referred to as shubbits, socia asistants, social robots, and embodies convertational agent, that are copied of interacting with humans in a way what treats both the specifically social nature of the interaction and the content of a task. The sim of this paper is twofold: 11 to uncover some places where the comparison treatmentalized nature of reservic contents of a task. The sim of this paper is twofold: 11 to uncover some places where the comparison and the content of a task. The sim of this paper is twofold: 11 to uncover some places where the comparison of the simulation	10.3389/frobt.2022.937825	
R. Corr	Do androids dream of electric lawyers? The ethics of legal chatbots		2022	47	4	314-314			10.1177/1037969X221133273	
Keller, F. M., Derksen, C., Rinn, R., Becker, P.,	Screening and assessment for post-acute COVID-19 syndrome (PACS), guidance by personal pilots and support with individual digital trainings within intersectoal care: a study protocol of a randomized controlled trial		2022	22	1		therapy offers, Interdisciplinary diagnostic, Long-COVID, Low-threshold Interdisciplinary diagnostic, coverning, Medical rehabilitation, Post-acute COVID-39 synchrome, Post- COVID-39 synchrome, Post- COVID-39 synchrome, Post- COVID-39 synchrome, Post- dutt, airylane pilot, Article, controlled study, coronavirus study, realuation study, feasibility study, Meahth program, health service, human, long COVID, longitudinal study, major clinical study, mass creening, mental function, patient care, physiology, propensity score,	Background: Because the dinical patterns and symptoms that pensit after a COVID-19 infection are diverse, a diagnosis of post- acute COVID-19 syndrome (PAGS) is difficult to implement. The current research project therefore aims to evaluate the di- backer COVID-19 syndrome (PAGS) is difficult to implement. The current research project therefore aims to evaluate the di- therehold online correning and holicit assessment for PACS Furthermore, it aims to evaluate digital interventions and the use therehold online correning and holicit assessment for PACS Furthermore, it aims to evaluate digital interventions and the use distribution of the term on the provide synthemic participant with associated the synthesis of the synthesis of the synthesis and the synthesis of the synthesynthesis of the synthesis of the synthesis of the synthes		http://www.scopa.com/inward/record.un?eid=2- s2.0 &5135934048.doi=10.1186/x2/s12879-022- 07544- z8partner10-408md5-f488e2eb517aaf122bf61a53 021df2a
	- Editorial: Highlights in digital mental health 2021/22	Front Digit Health	2022	4		1093375	Controlled Trais as topo; Covid-19, chabito, depression, engagement, meta-analysis, older adults, social isolation, telemental health (TMH), commercial or financial relationships that could be construed as a potential, conflict of interest.		10.3389/fdgth.2022.1093375	

J. M.,		Dermatology Online Journal	2022	28	6		chatbot, artificial intelligence, automation, dermatologist, dermatology, electronic medical record, evaluation study, follow up, letter, medication compliance, patient care, patient education, personal experience, professional burnout, social media, software, technology,		10.5070/0328659734	http://www.embase.com/saard/results?subaction -vewercond&id=2002260514&from-sport, http://dx.doi.org/10.5070/0328059734
I. Donadello, Dragoni, M.		Social Network Analysis and Mining	2022	12	1		workflow eikeath, Knowledge-based systems, Lagical reasoning, user and the systems of the system generation, Ontologies, Persuasive systems, Data handling, Diseases, Natural Banguage processing systems, User profile, Behavioral changes, Chronic disease, Healthy illestyke, Ontology's Personal health, Persuasive systems	This gaper discusses the use of the HORUS-AI solution, an AI-enabled persuasive personal health assistant built years the integration of sensatic, web technologies and persuasive technologies, for enabled persuasive personal health web technologies and fer the personal operation of the solution of t	10.1007/s13278-022-00935-3	https://www.scopes.com/inward/record.urf/bid=2- 12-95335603752&dos=10.1007%20:11278-022- 20235- 38partnertb=40&md5=83893044e916943521f/266 68575149f
	User experience with a parenting chatbot micro intervention		2022	4			conversational agent, intervention, parenting, user experience (UX), commercial or financial relationships that could be construed as a	BACGROUND: The use of chatbots to address mential health conditions have become increasingly popular in recent years. Nowever, few studies aimed to teach parenting skills through chatbots, and there are no reports on parental user operience. Aim: This study aimed to assess the user experience of a parenting radiator micro intervention to teach hold to a 5ganith-speaking country. METIODS: A sample of B9 parents were assigned to the chatbot micro intervention as and to a faganith-speaking country. METIODS: A sample of B9 parents were assigned to the chatbot micro intervention as part of a radomized controlled trull at Judy. Completion rates, engagement, substaction, engraved an average of 458 messages (50 = 153), provided an average satisfaction core of 4.5 (50 = -73), and reported that they would recommet the chatbot other parents (net promoter score < 4.5 (57), 50 = -63). Acceptability level was high (ease of use - 4.65 (50 = -73); comfortability = 4.7 (50 = -46). Lock CHAGIDONS: Overall, users completed the intervention at a high rate, engaged with the chatbot, were satisfied, would recommend to to others, and provide a high level of acceptability. Navette have the potential to teach parenting skills however research on the efficacy of parenting chatbot interventions is needed.	10.3389/fdgth.2022.989022	
Vlachopoulos , D., Tachie-	(chatbot) on students'		2022	19	1		Artificial intelligence, Ghanalan higher education, Sudent-instructor interaction, Virtual teaching assistants, Zero-coding chatbot	Chatbot usage is evolving rapidly in various fields, including higher education. The present study's purpose is to discuss the effect of a virtual teaching assistant (hatbot) that automatically responds to a student's question. A pretest–postest design was impremented, with the 68 painticipating undergraduate automatical based to associate or generation gas 24.2 and allowed nonce in depth analysis of the student's experison with the chatbot. The results of the study demonstrated that the students with interacted with the chatbot performed better accelerational you constrained with the chatbot in thatbot's integrations of the student's experimental chatbot the chatbot. The results of the study demonstrated that the students with interacted with the chatbot. This study contributes the emerging artificial intelligence (A) clatbot (teracture to introduce). The out provest study contributes the emerging artificial intelligence (A) clatbot (teracture to interactions the course. The out knowledge, this the first study in class to the study class that the students with interaction with the chatbot. This study contributes the emerging artificial intelligence (A) clatbot (teracture to improve student association performance. The acceleration is the first study in class to the students) can be accelerate to the study provides critical information on the use and development of virtual teaching assistant using a zero-cosing technic with the chatbot cengence 2022, The Author(s).	10.1186/41239-022-00362-6	http://www.scopus.com/inward/record.url?eid=2- 20-631419468338doi=10.1186%2h41239-022- 00067 88gueneriD=408md5=f04dbd9eddaldcl04ddf150 731e4dff
J. Fardouly, Crosby, R. D., Sukunesan, S.		Journal of Eating Disorders	2022	10	1		Artificial learning, Chatbol, Detection, Lating disorder, Ethola concerns, Machine learning, Social media, Statistics, Treatment	Advances in machine learning and digital data provide vast potential for mental health predictions. However, research using machine learning in the field of eating disorders is just beginning to emerge. This paper provides a narrative review of existing research and explores potential benefits, initiations, and tellac condivations of asing machine learning to predict eating disorder stats. If non-finale is response to validated surveys, costal media post, and the eating disorder stats. If non-finale is response to validated surveys, costal media post, and commanying data state with relatively high hereich. Never, this work provides evidence for the potential of machine learning to predict eating disorder stats. If non-finale is response to validated surveys, costal media post, or northware machine is and the start of accuracy. This early work provides evidence for the potential of machine learning to predict eating disorder starts informatios. Inverse, the habity of these algorithms to generalise to tools ranging of ta test do an anxis state is only beginning to be explored. One key benefit of machine learning cord traditional statistical methods is the abity of machine interactions. The distribution of the second is the field of anticipation test down and the state and to diverse patholes. The state the machine learning to predict states that methods is the abity of machine interactions. The distribution have explored the potential in the field of antige around body image and eating disorders. White image and eating disorders, with implications (for avin importation is allow forsized with potential provide visit potential for the accuracit, repid, and cost effective detection, prevention, and treatment of eating glookers. Machine learning relations is participations to ensure that machine learning models are accurate, unbased, and generalial for the accuracit, repid, and cost effective detections, prevention, and treatment of eating disorders. The reactive the eating disorders. There are moderi	10.1186/440337-022-00581-2	http://www.scopus.com/inward/record.un?kids-2- 22.045137972168doi=10.1186%21400374022- 00581- 28partner10=408md5=d59cac16717134913a0772 d55845b41
M. Fidan, Gencel, N.	Supporting the Instructional Videos With Chatbot and Peer Feedback Mechanisms in Online Learning: The Effects on Learning Performance and Intrinsic Motivation	Journal of Educational Computing Research	2022	60	7	1716- 1741	feedback, intrinsic motivation, online learning, peer	This study investigated the effects of artificial intelligence (A)-based chatbot and peer feedback mechanisms integrated into the instructional videos (VV) as a feedback tool on learning performance and intrinsic motivation of pre-service teaches (TTI) in online learning. The participants were 144 TFI from a university in Turker, A pretect Toottest quaris expensional design was adopted in this study. Two experimental (EG-1: immediately elaborated feedback with a chatbot for VV; EG-2: Delayed peer feedback with common for VV) groups and a control group (Leadong with VV) were selected. To collect quarial segmental test arvery consisting of open-ended quartitions was conducted in the experimental groups. The realist showed that the learning arvery consisting of open-ended quartitions for Aryonered feedback mechanisms and directions for future studies were discussed in this study. © The Author(s) 2022.	10.1177/07356331221077901	https://www.scopus.com/inward/record.uri?eld=2- s2-0- 83.24826887.8doi=10.1177%2107356312210779 018.partner/D=408.md5-ed5a0449999669b3045 74383bc3187
Zia, G., Loria, A., Jansen, S., Hurmuz, M., Van Velsen,		European Geriatric Medicine	2022	13		5337		Badground: We previously evaluated Nao, a small humanoid robot, to administer autoevaluation questionnaires to older adults. The robot starts a conversation, asia questions, waits for anxwer, interprets the content, and file results. Acceptability energy of the robot starts a conversation, asia questions, waits for anxwer, interprets the content, and file results. Acceptability energy of a 20 minute out of the robot start as a for anxwer, interprets the content, and file results. Acceptability energy of a 20 minute out of the robot start as a for anxwer, interprets the content, and file results. Acceptability integrated to a web-based data patriorm. Methods: Boesing RAD and Biocompanion implemented "Scotty", a technology transfer project funded by DHHERD (careful AS2000 Heritons). The robot for service values and the result of the transfer project funde and according to a start of the project for Max Mar 2021 to MirgoziO2. The robot for service values and the result of the robot start as a for anxiet, and the result of the robot start of the project for Max Mar 2021 to MirgoziO2. The robot for service values and a value of the result of the robot start of the robot start of the robot start of the robot start of the project for Max Mar 2021 to MirgoziO2. The robot for service disolation during (COVID- 19 pandemin: Result): We operationalised the project for Max Mar 2021 to MirgoziO2. The Tox for for anxietarial for worked to the content of the start and the robot	10.1007/441999-022-00711-8	http://www.embase.com/earch/results?subaction =viewrecord8id=6399307128/rom=esport, http://dx.doi.org/10.1007/41399-022-00711-8
C., Ramesh, S., Luo, Y.,	scientific abstracts generated by		2022		(Gao C.A., catherin e.gao@ northwe stern.ed u; Markov N.S.) Division of Pulmon ary and Care, Depart Critical Care, Depart Critical Care, Northwe stern Universi ty, Universi States		adult, artificial intelligence, dinical article, cohort analysis, controlled study, female, human, human experiment, language, male, plagiarinn, probability, receiver operation characteristic, writing	Background: Large language models such as ChatGPT can produce increasingly realistic text, with unknown information on the accuracy and integrity of using these models in scientific writing. Methods: We gathered ten research abstracts from five high impact factor medical journals (in-O) and asked ChatGPT begreated research abstracts based on their titles and purnals. We evaluated the abstracts using an antificial intelligence (A) output detector, plagarian detector, and had bindeh human relevants to the obstracts were original or generated. Results: AI CADGPT generated abstracts were written charap but only BC compared with two your plagarian detector, and had bindeh human relevants to the obstract were original or generated. Results: AI CADGPT generated abstracts were written charap but only BC compared with two your plagarian detector. In the original bitracts of QADS (10) 0.09; The ALROC of the AI conjust detector was 0.94. Generated abstracts stored were high on originality using the plagarian detector (1005) (10) originality). Generated abstracts stored were high on originality using the plagarian detector (1005) (10) originality). Generated abstracts are similar abstracts, blongh themas the similar abstracts. Hough the similar similar control controls are a signal abstracts, blongh themas relevants. In the original bitracts, though the acst numbers were fabricated. When given a mitture of original and generat ab batracts, blongh themas relevants. These are original writes the signal abstracts being generated by Altacts are conducing. CharGPT rule bioteches closeful abstracts, blongh with completely generated abstracts were sugnal abstracts. These are original writes are original abstracts were applicated with completely generated abstracts are conducing. CharGPT rule bioteches closeful abstracts were applicated between the site to the writing. Conducing: CharGPT rule bioteches closeful abstracts were applicated batracts are applicated bitracts the site of the site original bitracts are app	10.1101/2022.12.23.521610	http://www.embase.com/search/results?ubaction wewercond&id=202246624&from=seport, http://dx.doi.org/10.1101/2022.12.23521610

Sorates, V., Chi, L., Taylor, R. A., Chartash, D.	ChatGPT Perform on the Medical Licensing Exams? The Implications		2022		(Gilson A.; A.; Safraneł C.; Socrates V.; Chi L.; Taylor Maxid.ch Aratash@ yale.edu) Section for Biomedi cal informa tics and Data Science, Yale Universi ty School of	5) 1 1 1 1	controlled study, coroner, education, human experiment, licensing, medical education, medical student, multiple choice test, natural language processing, reasoning	Background: ChatGPT is a 175 billion parameter natural language processing model which can generate conversation style response to user input. Opecitive: To evaluate the performance of ChatGPT on questions within the scope of United States Medical Licencing Experimentation (USML) Experimentation and the performance of ChatGPT performance, each with questions pertaining to Step 1 and Step 2. The first was derived from AMSGS, a commonly used questions have for medical atudents, which also provides statistics on question difficulty and the performance on an exam relative to the userbase. The second, was the National Boord Medical Examiners (SMBK) Fee 12-0, each statistic on an exam relative to the userbase. The second, was the National Boord Medical Examiners (SMBK) Fee 12-0, each statistic on an exam relative to the userbase. The second, was statistics on the four datasets, AMBCSS Step1, AMBL Free Step1, and NBME Free-Step2, DatAGPT achieved accuracies of 44X, SVS, 64X4, and 37 SK. The model demonstrate a significant derivance in performance accuracies of 44X, SVS, 64X4, and 37 SK. The model demonstrate a significant derivante in terrains to the question accuracies of 44X, SVS, 64X4, and 57 SK. The model demonstrate a significant derivante in activation and securities 100% of oppusit. Internal Information terrains the questions. The presence of Information terrains to the question was respectively 54.5% and 27% lower for incorrect relative to correct answers on the NBME-Free- Step1 and NBM-Free-Step2 dataset(Free- Step1 and NBM-Free-Step2 dat	10.1101/2022.12.23.22283901	http://www.embase.com/search/results?wbaction =viewecond&id=12022075/81&from=export, http://dx.doi.org/10.1101/2022.12.23.22283901
Elbanna, A.	and empathy: employees' emotions when using an Al- enabled chatbot in a digitalised workplace	Technology and People		35		1743	Chatbot, Digital Transformation, Digital works of working, Digital worksleve Emotions, Emotions at work, Future of work, Technology use	emotions, focuses on negative emotions and treats technology as a token or as a black box, which hinders an in-depth understanding of distinctions in the emotional seperince of using an AI chattot, as a specific type of AI system bit learns from how it is used and is conversational, displaying as scale presence to users. The research quarking how and why employees experience emotions when using an AI chattod, and how these emotions impact its use. Design/methodology/appraxit: An interpretience asset usy appraval and inductive analysis were adopted for this subtor. Data were collected through interview, documents review and observation of use. Findings: The study found that employee appraises of chattost were influenced by the form and functional design of the AI chattot technology and to social content, entry and controls. The findings show that the esistence of multiple emotions, can encorange continued used on AI chatbot. Originality/value: This research extends information systems literature on emotions to focusing on the lived experiences of employees in their quark used on AI. © 2022, Lorentsa Gkinko and Amany Elbanna.		https://www.scopus.com/inved/record.un?feid-2 2.0 45130033756401-0110895/UTP-04-2021- 0328&partner/D=40&md5=601bfb5d07bd3890bb2f 0777d6400f51
Morana, S., Adam, M. T. P., Maedche, A.	Time in Human-Chatbot Interaction: The Moderating Role of Prior Experience	Information Systems Engineering	2022	64	E	5 773-791	violations theory. Lab experiment, Prior experience, Response delay, Response time, Social response theory	Research has shown that employing social cues (e.g., name, human-tike avatar) in chatode design emhances users' social presence perception and their chatodu cues gui intentions. Nowever, the picture is itse due for the social cue of chatod response time. While some researchers argue that instant responses make chatods appear unhuman-like, chators suggest that delayed response are perceived less positively. Daving on occular leponse theory and expectancy validations therew, this study innettigates whether users' prior experience with chatods clarifies the inconsistencies in the literature. In a lake experiment (N = SSG), participants interacted with a chatotic star personder star instantify or with a delay. The result result has a elegent response limit has opposing diffects on social presence and usage intentions and hed light on the differences between novice construints to information systems literature by identifying prior experisons and shed light on the differences between novice response to chatobat and by recording inconsistencies in the literature regarding the role of distatot response time. For practitioners, this study points out a drawback of the widely adopted "one design-fits-all" approach to chatobat design. O Sozi, The Author(s).	10.1007/s12599-022-00755-x	https://www.scopu.com/invest/record.ur/Reid-2 20 45311073484061-1007076/11599-022- 00755- & Kapatherid-Da&md5-a7a0012de19#72e3de239aa e3a1e41a1
	Will ChatGPT kill the essay	Nature	2022						10.1038/d41586-022-04437-2	
A. Grinbaum,	assignment? Moral Equivalence in the Metaverse	NanoEthics	2022	16	3	3 257-270	intelligence, Chatbot, Ethics, Extended reality, Virtual reality	Are digital subjects in virtual reality morally equivalent to human subjects? We divide this problem into two questions bearing, respectively, on cognitive and emotional equivalence. Typically, cognitive equivalence does not hold due to the lack of substantialis individualishility, but emotional equivalence applice. digital subjects down with face or tanguage exists emotional responses on a pair with real-world pleasare, desire, hornor, or farer. This is sufficient for projecting moral traits on avairs in the metaerne or on along synthem based on ingel subgauge models. Due minimic case study is a stubble trained on the dub history between a Canadian man and his decased fancée. To demonstrate emotional equivalence and the methanian of moral transfer, we comer digital decase with the functioning of racks in a story Pultach and in a marchie that draws on the book of Genesis. Finally, we note that, along with the projections of ethical issue, humans also tend to bring real-world solutions of moral coundrums into extended reality. We argue that the lack of cognitive equivalence marks such projections problematic at they lead to overpolicing and a santized metaverse. © 2022, The Author(s), under exclusive licence to Springer Nature 8.V.	10.1007/s11569-022-00426-x	http://www.scopus.com/inward/record.un?ield=2- 12.0 #5121469138dob=10.1007%2h11560=022- 002426 - X&partnerID=40&md5=73493c8d7a4809c21c91a6b 78e1d134b
Wang, J., Wu, R., Li, Z., Sun, L.			2022	4	4		interaction, Design principles, Design semantics, Positive emotions, Trust, Natural language processing systems, Chatbots, Conversational agents, High-tech products,	Troat is an important factor influencing user acceptance of high-fech products. As the artificial intelligence and natural language processing develop, all kinds of conversational agents (chatabit) have apported around un. These chatabits are able to provide people with convenient services such as ordering loads, stock recommendations, fund diagnostic. However, it is still not dear how to make users die chatabit trustworkling. In this study, waimed to explore a set of design principles to able trustworkling principles, and verified their effectiveness through experiments. The result of segment suggest that our design principles is and improve user' trust towards chatbot, thour provided guidance and suggestions for designing more trustworthy chatbots in the future. 6 3202, China Computer Federation (CCF).	10.1007/542486-022-00106-5	https://www.scopus.com/inves/drecord.urr?ed:2- iz0.453104368686.doi:10.1007%2142486.022- 00106- 559artner10-46864.doi:10.1007%21632486.022 00106- 559artner10-46864.doi:10.1005.bea06721b914423 623e666f61
Chen, Y.	Inclusive	Journal of Information Systems Education	2022	33	1	1 98-108	Inclusive learning, Is education, Learning, Artificial intelligence agent, Chatbots, Conversational agents, Experimental platform, High educations, Interview study, IS educations, Teachers',	Supporting student academic success has been one of the major goals for higher education. Nower, low teacher to-student ration nake in difficult for students to receive sufficient and personalised support that they might wants. In the advancement of artificial intelligence (A) and conversational agents, such as chatotos, has provided opportunities for advancement of different types of students. This research imma at investigating the opportunities and realizements of chatotos as an intelligent height to facilitate equity in learning. We developed a chatoto as an experimental platform to investigate the design opportunities of using chatots to support inclusive learning. Through a chatob-che user study with 21 sub- students, we found chatotos i provide the opportunity to support students who are disadvantaged, with divense life encorromets, and with avaire learning studes. This reaces the advector through an accessible, interactive, and confidential way @ 2022. Journal of information Systems Education. All Rights Reserved.		https://www.scopu.com/inward/record.un?eid=2- 2-0 85122073530&BartnerID=40&md5=<56556662cdd1 a78ab031e5360fd96
Park, J., Lee, H.		BMC Med Educ	2022	22	3	1 830	Learning, "Students, Nursing, Chatbot program, Clinical reasoning, Data processing, Education, Nursing	BACKGRONDR: Education and training are needed for nursing students using striftical intelligence based educational programs. Network, fex studies have assess the device for using a stratucal in nursing education. DIRECTIVES: This study aimed to develop and examine the effect of an antificial intelligence chalted educational program. For promoting in nursing college clusterst using room for a promoting mursing skills related to electronic feal monitoring in nursing college clusterst using room for a promoting mursing skills related to participants were study and an onequivalent control group non-synchronized presels potentia: design. METHODS: The participants were fail primor students from an unrising college closels in genomics of education and programs. Nomether 3 and 15, 2021, and analyzed using independent -Letts. RESULTS: The experimental group-in which the antificial intelligence charton program was applied of and show statistical significant differences in knowledge (LT = 0.55, p. = 5.67), clinical reasoning competency (J = 0.75, p. = 4.55), confidence (J = 1.33, p. = 2.64), and elevated statistical in (L = -1.72, p. = 0.60), compared with the potential of antificial intelligence charton programs as an elevation of a stand heightighted the potential of articlical intelligence charton programs as an elevational ansistance to lot goromone nursing college clusterst, interact in education and self-stretced learning. Moreover, such programs can be effective in enhancing nursing students' skills in non-face-to face-situations caused by the ongoing COVID-19 pandemic.	10.1186/s12909-022-03898-3	
Park, J., Lee, H. N.	Analysis of the effect of an artificial intelligence chatbot educational program on non- face-to-face classes: a quasi- experimental study	BMC MEDICAL EDUCATION	2022	22	1		Education, Clinical reasoning, Chatbot program, Data processing	BackgroundEducation and training are needed for nursing students using artificial intelligence-based educational programs. Nowever, level studies have assessed the effect of using studiests in nursing education. Objectiveshib study aimed to develop and examine the effect of an artificial intelligence chabde educational program for promoting nursing studies to electronic field monitoring in nursing college students during non-faces to face classes during the CNUD-19 parketine. Methodship and provide studies and the studiest of the studiest of the studiest of the studiest of the electronic field monitoring in nursing college students during non-faces to face classes during the CNUD-19 parketine. Methodship and providest were 51 juin relations to multiple studiest to consider to the studiest of the collected barveen howember 2 and 15. 2021, and analyzed using independent t-tests. ResultSTNe experimental group's which he antificial intelligence chabde programs was applied-field on the statistical hypotisticant efferences in the considers (1 = 1.3, p. = 264), and testback to the statistical hypotisticant efferences in the statistical hypotisticant efferences in the consider (1 = -3.2, p. = 0.00), exceed with the control group. Networks, its statistical institution (1 = 2.32, p. = 0.00) and self-active students' interest in education and self-directed learning. Moreover, such programs can be effective in enhancing nursing students' skills in non-face-to face-situations caused by the ongoing COVID-19 pandemic.	10.1186/s12909-022-03898-3	
Azmi, M. S., Pee, A. N. C., Rusli, M.,	Framework for Academic Information Service Using AI	NeuroQuantolog Y	2022	20	19		intelligence, Cronbach alpha coefficient, data consistency, data validity, human, information service, knowledge, linguistics, machine learning, medical research, natural language processing, scientific literature, system analysis, test retest reliability	Students of then overfook academic administration data services disceminated through different internet platforms. Using chat tooks, tuberts are of then more dominant in directly addressing research program pusperioria queries. Envoyer, due to a taffi shortage on the data provider side, data services through chat apps cannot be delivered adequately. Furthermore, academic staff. Due to the assessment findings, chatbots successfully boost efficiency in dealing with client inquiries. Sitely two responders used chatbots, including 13 a Berection I client and 20 percent of staff. Due 14 and 25 a percent of staff, and 26 a percent of staff,	10.48047/nq.2022.20.19.NQ99191	http://www.embase.com/seard/read/fraid/Tablabtion wierwcord/kii-Loid 108500148/hom-export, http://dx.doi.org/10.48047/wg.2022.20.19.NQ9919 1

I Ho Potor	Effectiveness	Nicotine Tob Res	2022				chathot comment	INTRODUCTION: Conversational agents (computer programs that use artificial intelligence to simulate a conversation with users	10 1003/otr/etac391	
D., Wiers, R. W., Antheunis, M. L., Krahmer, E.	and acceptability of conversational agents for smoking cessation: a systematic review and meta- analysis						mitealth, meta-analysis, review, smoking cessation	through natural language) have evolved considerably in recent years to support healthcare by providing autonomous, interactive, and accessible ervices, making them potentially usually for supporting making creassion. We performed a systematic review and meta-analysis to provide an overarching evolution of their effectiveness and acceptability to inform future development and adoption. METGODS Psychol, Web Science, ADM Ogial Library, LEET 2040; "Allelline, EMBASE, Communication and Mass Meda Complete, and CANALL Complete were searched for studies examining the use of sourcessized all garden for studies (ascission). Data from englishe takes execented and used for anadomet 14.3.258) and studies for random-effects meta-analyses. All studies reported positive effects on cascalion related outcomes, a meta analysis studies for random-effects meta-analyses. All studies reported positive effects on cascalion related outcomes, a meta-analysis studies for random-effects meta-analyses. All studies reported positive effects on cascalion related outcomes, a meta-analysis with ECT reporting and solutiones evideed as angle-weighted on clara (106) of 16.4555 (sci 11.3.3.2.0.7.0.0.0.11, lavoring conversational agents over comparison groups. A natrative synthesis of all included studies were diversited from existence of publication bias was identified. A laks of theoretical foundations was noted, as well as a clear meet for relational communication in flut developsis. CONCLUNDS: The effectiveness and acceptability of conversational agents to support annolus, meta-flutoshi solutiones video a come comprehensive evaluation. MIMLCATION: This is the flut systematic review to provide random elevels and eagent agents to support annolus; essention. Our finding demonstrated initial promise in the effectiveness and acceptability of these agents. Was all obtentified a laks of theoretical and methodological limitations to improve future study design and intervention delivery.		
E., Wiers, R. W., Antheunis, M. L.,	Can chatbots help to motivate smoking cessation? A study on the of motivational interviewing on engagement and therapeutic alliance	BMC Public Health	2022	22	1	L	Chatbot, Empathy, Reggement, Motivationa to Quit, Motivational Interviewing, Smoking Cessation, Therapeutic Allance, health care delvery, human, microsofte, Oolinery of Health Care, Human, Smokers	Bickground: Ggarette smoking pones a major threat to public health. While cessition support provided by healthcare professionals is effective, itsus eremains two. Chatbots have the potential to serve as uneful addition. The objective of this study is to explore the possibility of using a motivational interviewing style chatbot to enhance engagement, therapeutic aliance, and previous empathy in the context of moxing reasons. Methods A progrittered web backet optimest conducted in which nuclears (n = 133) were randomly assigned to either the motivational interviewing (M)-style chatbot conduction (n = 73) of the nextra dhatbot condition (n = 73) and interacted with the chatbot is no session. In the assument session, hypical inside questions in moking cessation interventions were administered by the chatbot, such as andraig history, and discussive with brancingent potential reasons to putit. Engagement with the dhatbot, herapoutei aliance, and previous engatives the primary outcomes and were assess of performance were motivation to quit and perceived communication competence and were assess after the two sessions. Regret in hosto, conditions, err perceived engathy were the primary outcomes and were assess dark the two sessions. Benefor in host conditions, were history and structure with the intervent in the sessions energed in hosto, condition, perceived engathy. A significanti increase in the presental aliance, and perceived engathy. A significanti increase in the presental aliance, and presented as highly competent, and communication competence was ponetical intervence were based. Bub conditions, with a marking with a that the effect of divensations that performants of this pregristered study suggest that taking with a chatbot about some king essation can help to motivate smokers to quit and that the effect of divensations that performants effect of the Mi-style chatbot, for which we discuss possible reasons. These finding highlight the promise during thatbots to motivate smoking casation. Implications for future	10.1186/x12889-022-13115-x	http://www.scopu.com/inward/reord.url?eid-2 2.05312813868660-10.1186/Yk12889-02- 1315- 848partneri0-048md5-2ac/2fbe74132ebcaad0331 b8d32946
L., Zhu, X., Wu, B., Zhang, S., Qian, C.,	Chatbot for	joural of Medical Internet Research	2022	24	11		addeiscent, adult, article, Clinese, clinical article, dinical effectiveness, cognitive behavioral therapy, controlled study, coronavirus diesase 2019, depression, emotion, freatle, cliolow up, human, loneiiness, male, mental health, mental health service, mindfulness meditation, natural language processing, outcome assessment, pandemic, Patient Health Questionnaire	Bickground: Depression has a high providence among young abits, especially during the CDND-19 pandemic. However, merall health services remeat inscarce and underturbile workdivel. Methal health chabits are an owel digital technology to provide differentiate services and the ser	10.2196/40719	http://www.embase.com/seard/result/stubation wewrecotdiatio201548/08/fmomesport, http://dx.doi.org/10.2196/40719
Chao, Y., de la Mora Velasco, E., Bilgihan, A.,	intelligence	Journal of Hospitality and Tourism Insights	2022	5	5	5 1080- 1100	Artificial intelligence, Augmented reality, Deep learning, Innovations diffusion, Machine learning, Technology adoption, Virtual reality	Purgets: This study reviews existing energe that energy applications of artificial intelligence (a) in the bagshally and burstm industry. If Ather progress a new calculation framework to inform the suscipatibility of al Adoption. Design/methodologi/approach. This is a synthesia and evaluation study that cualitatively summatics and presents findings on A specification in the borginality and tourism industry. Current applications are result and summarizes and presents findings based on the type of A. Search/booking engines, virtual agents and chattors and the borginality and tourism industry orients based on the type of A. Search/booking engines, virtual agents and chattors and high in the adoption susceptibility. Research limitations,/mplications. This study bridges innovation diffusion theoretical underpinning and A applications. The findings support researchers, developers and manages in evaluating the adoption susceptibility of A Lechnologies in the hospitality and tourism industry. Originality/vilue: This paper is among the few that focus on assessing Al adoption susceptibility in the hospitality and tourism industry. This paper is among the few that focus on assessing and adoption susceptibility in the hospitality and tourism. 0 A2021, Emerald Publishing Limited.	10.1108/JHT-01-2023-0021	https://www.soppa.com/invent/read-ut/Peid-2 2.0-31110242646-01110395/Utm-0-2021- 00218partnertD=408md5-e5781bc542d135eb5df 9f8e154f5837
Y., Hung, C.	Implementation	Telecom	2022	3	4	675-691	embedded system, instant messaging software, web of things, web service	In this paper, an embedded spatem i used as a boat for the intercom and as a chalted server (or this system. The chalted server control ideo locks, camera, bazers, and related devises through web services on the WOT NVed of Thanging I provide readents and visitors with better functionality and integrational services. This system care greatly improve the society and convenience of the system compared with the traditional intercom system. The resident use the instant messaging software of the swarphone to register the handset functions. Whether or not the residents are thorne, they can deck whether there are visitors and check the status of their doors through their smarphones. Conversely, any visitor can also contact the resident through this intercom, while there is no value to confirm whether the readent is at thore or not, which handset is not exhibit the visitor of the status of their doors through their smarphones. Conversely, any visitor can also contact the resident through this intercom, while there is no value confirm whether the readent is at hold through the sintercom user to resident end of the advisor market and the visitor of the resident set through this intercom on the visitor handset. The system architecture strikes ago tablance between user conversiones and home security and between performance and cost, effectively improving home security and reducing costs. D 2022 by the authors.	10.3390/telecom3040036	https://www.sopus.com/inward/record.uri?eide-2: -20- 851467780784doi-10.3390%2ftelecom/8400368.p amento-Hoßand5-230ded/58961025e564275ab8 1715d1
lancu, B.	Interacting with chatbots later in life: A technology acceptance perspective in COVID-19 pandemic situation	Front Psychol	2022	13		1111003	behavioral intention, chathot, midle aged and aging adults, perceived asse of use, perceived usefunces, technology acceptance model, commercial of financial relationships that could be construed as a potential, conflict of interest.	ntRRDDUCIDEN: Within the technological development path, chatbob are considered an important tool for economic and social excitises to become one efficient and to develop quarterine excitis experiments throm the humb bababa. Abhogh anticidate intelligence is increasingly used, there is a lack of empirical studies that ain to understand consumers' experience with adults precise technology becomes of great interest. However, based on the digital divide (inequal access to technology, knowledge, and resource), and since quotaticate by a constant precision. The present paper investigates the way chatbots are percised by middles and adult gaid babears. Bla and 34 years of all ex considered to have greater affinity for technology tectories, and since quotals (laged between 38 and 34 years of all ex considered to have greater affinity for technology. Institute of the research is dedicated to their perception. The present paper investigates the way chatbots are percised by middles and adult gaid adults, greater bates and the state of the state	10.3389/fpsyg 2022.1111003	
Rodríguez Cardona, D., Passlick, J.,	chatbots productive – A	International Journal of Human Computer Studies	2022	168			design, PACT framework, Activity contexts, Chatbots, Corporate environment, Human-centred designs, Implementation process, People, activity, context, and technology framework, Semi	Many organizations are pursuing the implementation of chabitos to enable automation of sinches processe. However, purvious, research has highlighted the existence of agriculas statuks in the implementation of chabitos in corporate environments. To gain gracifical insights on the issuer related to the implementation processes from several perspectives and stages of deployment, we conducted semi-tructure directives with developers and experts of databot development durations content analysis and based on a review of literature on human computer interaction (HCI), information systems (B), and databots, we present an implementation merves: the successful deployment of databots support databots implementation on a eght-terp process. The questions are structured accounts to guiding questions to support databot implementation in a eght-terp corecs. The questions are structured accounts of through experiment of adatabot technologi (PACT) framework. The adapted PACT framework can be seen as a bridge between sciences and focus are that is indeplementation of subtrate patient accessful, and through experiments and a focus group discussion (FGO) indeplementation are can structure. The adapted PACT framework can be seen as a bridge between science and practice that serves as a notional structure for practitioners to introduce a chatbot in a structured account. Building between the server and account for the present the server and accounts for the process and practices and practices and practices and practices and practices are an accounter for practitioners to introduce a chatbot in a structured account of the practices and practices and practices are accessed.	10.1016/ј.ijрсs.2022.102921	https://www.scopus.com/inward/record.un?eids-2- -20- 85339206008.doi-10.101692/fi.jinc.2022.102921 8.gourtent0-0.08.md5-66.6f/8028c573393ca878d3 c2003ac
Cardona, D. R., Passlick, J., Breitner,	chatbots productive - A	INTERNATIONAL JOURNAL OF HUMAN- COMPUTER STUDIES	2022	168			PACT framework, Chatbot implementation framework, Human computer interaction, Human -centered design, PUBLIC-SECTOR, DESIGN, TECHNOLOGY, AI	Many organizations are pursuing the implementation of chalbeds to enable automation of structure processes. However, purvicus research has highlighted the existence of practical setbacks in the implementation of chalbeds in corporate environments. To gain practical implies on the issues related to the implementation of processes if non-several perspectives and stages of deployment, we conducted semi-structured interviews with developers and experts of chalbed between [5], and chalbeds, we present an implementation finanework that supports the successful deployment of chalbeds and discuss the implementation of chalbeds through a second term [5], and chalbeds, we present an implementation finanework that supports the successful deployment of chalbeds and discuss the implementation of halbeds through a second term [5], and chalbeds, means [6], and chalbed are releved a second seco	10.1016/j.ijþes.2022.102921	

R. Jeindl, Goetz, G.	Chatbot-Based Symptom- Checkers: A Systematic Review	International Journal of Technology Assessment in Health Care	2022	38		abstract, diagnosis, diagnostic accuracy, diagnostic test accuracy study, drug safety, emergency care, female, health care personel, human, male, medical research, observational study, overdiagnosis, patient triage, Quality Assessment of	Introduction. Symptom-checkers are digital health applications (DHA) with diagnostic algorithms. These symptom-checkers dam to improve the diagnostic process and patient guidance. After asking the user to describe the symptoms using a chattor method of the symptom sym	10.1017/50266462322001313	http://www.embate.com/search/results?ubaction -viewrecord&id=16400453608/nom=erport, http://dx.doi.org/10.1017/50266462322001313
W. Kansteiner	DIGITAL DOPING FOR HISTORIANS: CAN HISTORY, MEMORY, AND HISTORICAL THEORY BE RENDERED ARTIFICIALLY INTELLIGENT?	Theory	2022	61		argumentation, artificial intelligence (Al), collective memory, description, GPT-3, historical theory, historical writing, large language models, machine learning, narration, OpenAl	Autificial intelligence is making history, literally, Mushime learning tools are playing a key role in confining images and torkers about the part in popular culture. All negative probably also already invested the history cultures in Langue models such as GPT-3 are history barrents competing, non-plagarized texts in response to simple natural language inputs, thus providing students with an opportunity to produce high-pupulity wither assignments with minimum effort. In a simple models such as generated intermediates work products, the as accurate transitions, summaries, and dronologies. But presented as language models such as a curture transitions, summaries, and dronologies. But presented as intergence and the students work products, the as accurate transitions, summaries, and elef-reliavity. Therement-day large language models fail at key tasks that historians hold in high regard. They are structurally incopable of telling the truth and tracking pieces of information through parso of texts. What's more, they tak chicals elef-reliavity, Thereared, for the time being, the writing of academic history will require human agence, but for historical theorists, large language models simple offer and generated intergence and the student students and the students and searche historical theorists and reliable writing contamined large language models write a series of discriptive, marraitive, and assertive historical theorists and, not induct, with specifically designed tage languages models. Historical theorists and reliable writing experiments that they could never put into practice with real historians. B 2022 The Authors. History and Theory published by Wiely Periodicals LLC on behalf of Wesleyan University.	10.1111/hith.12282	https://www.scopus.com/inward/record.uri?eid=2: s2-0 851439937484doi-10.11111%2/htth.122828.partner ID=408md5=61a05c57780c13c0b5e9754e307a719 2
K. Keyvan, Huang, J. X.		ACM Computing Surveys	2022	55	6	Natural language processing systems, Search engines, Speech processing, Technology transfer, User interfaces, Dialogue systems, Language processing, Natural languages, Question Answering, Search system, Safety devices	The advent of recent Natural Language Processing technology has led human and machine interactions more toward conversation. In Conversational Secrot Systems (CSS) like chubes and Virtual Perconal Assistant such as Apple's Srif, Amazon Alexa, Microsoft's Cortana, and Google Assistant, both user and device have a limited platform to communicate through chatting or vice. In the information-secting process, den to user so do not kow how too to properly describe the information needed in a machine understandable language. Consequently, its hard for the assistant agent to practice the user's intent and yield relevant results by only relying on the original query. Studies have shown many unstallatory results can be enhanced with the benefit of CSS, which can dig deeper into the user's query to reveal the real need. This survey intends to provide a comprehensive and comparative overlevel of andiguous query diralization tak. In context of conversional search technology. We investigate afferent approaches, their evaluation methods, and future work. We also address the importance of understanding a guery for treiniving the not relevant found to your's need by predictional search technology. We investigate and therent approaches, their evaluation methods, and future work. We also address the importance of understanding a guery for treiniving the most relevant document (ju and stainfing users have by predicting their potential could predictional and challenges in CSS focus on disambiguation of unclear queries from various dimensions. @ 2002 Association for Computing Machinery.	10.1145/3534965	http://www.scopu.com/invard/record.ut?befs-2- 2.0- 8514490165&doi-10.1145%21534065&partnerf D-40&md5-ea09f0x22adf6bf44c124baa659de23a
F. Khalil, Pipa, G.	Transforming the generative pretrained transformer into augmented business text writer	Journal of Big Data	2022	9	1	Business text generator, Natural language generation, Transformers	This study uses transformers architecture of Artificial neural networks to generate artificial business tent for a given topic or them. The inplication of the study is to agament the basiness report writing, and general business writing process with help of generative pretrained transformers (generative pretrained transformer (gPT)) networks. Nain focus of study is to provide practical use case (or GPS models with help of lag dial. Que usely models has Starf times and trained for three months on GPU enable devices using 2.3 billion test tokens(is available as open-source data now). Test tokens are collected with help of ingroups reprocessing, which include: Starf "Reddit". After donttising, millions of businession of users during the hypers, are pared to collect the URLs and (is 1.8 million work) URLs are straintised. Business test is panesd; candination literactive and random suppling, generate test paragraphs that are grammatically accurate and stick to the given topic. © 2022, The Author(s).	10.1186/s40537-022-00663-7	http://www.xcppac.com/inved/record un?teid=2 20 - 05342538888doi=10.1186W2140037-022- 00663- 78putrtent ⁻⁰ -040md5-a77a791968443eet722842e 1cbSacbb2
G. H. Kim, Kim, B., Jeong, J. H.	COGNITIVE	Journal of Prevention of Alzheimer's Disease	2022	9		brain function, calculation, cognition, conference abstract, controlled study, demography, electroencephalogram, executive function, female, human, language, major clinical study, male, memory,	Badgeound and Purpose: Cognitive intervention (CI) has been known to improve cognition and to delay cognitive enderment. The purpose of this toxidy was whether our medy developed, how based CI with a chalt bot for 12 weeks changed for infinite indication and cognitive gentremarks. In patients with amenetic mild cognitive impairment (MC). Hencess, A taily elital in andonizad controller trail was conducted in 72 patients with amenetism (MC). Participants were randomized into the two groups: the CI with chalt bot (CI) (19-30) group and wallist control group memory. Nature (13 and the bab bade (1) cognitive were developed trailing in controller, memory, visuogatal, calculation, language and frontal securitive functions. The CI comprised 30 min-secsion per day (10 r 12 weeks). The primary theorem on the security of the control security of the comparison of the comparis	10.14283/jpad 2022.97	http://www.embasc.com/ser/dr/eiul17/ubdcion viewrecord3ik-US9733316/moresport, http://dx.doi.org/10.14283/jpad.2022.97
J. H. Kim	Search for Medical Information and Treatment Options for Musculoskeletal Disorders through an Artificial Intelligence Chatbot: Focusing on Shoulder Impingement Syndrome		2022		(Kim J H., kemakjh @naver. com) Spine&S leep, Researc h & Develop ment, KOREAT ECH Corpora tion, South Korea	adult, artificial intelligence, chatbot, esercise, human, metical information, macculoadeteal disease, macculoadeteal disease, prevalence, risk factor, shoulder impingement syndrome	Background: The OhatGPT is an utilicial intelligence chatbot that processes natural language text learned through reinforcement learning based on the GPT-SE activities a language model. Natural language processing models are being used in various flexis and are gradually expanding there use in the model and GPL Approxe. This should share provide a lar text best acti, message related to SS were entered to the seven text and the Carpose. This should be provide a lar text best acti, message related to SS were entered. And response to medical information and treatment options were received and analysed. Result: ChatGPT not only provided answers to the definition, providement, and risk factors OSS. Definitionally, a last of treatment options with smith symptomic and on the provide text saccording to the message input. Additionally, a last of treatment options and exercises were provided. Conclusion: ChatGPT will be able to provide one- line appropriate information for patients with SSE. Novembelses, if natural language processing technology develops further, it is expected to be able to express more detailed medical information and treatment options.	10.1101/2022.12.16.22283512	http://www.embasc.com/aradit/reult/reult/hubaction =viewreord8id=2020755078/nom=export, http://dx.doi.org/10.1101/2022.12.16.22283512
Chung, Y. C., Shapiro, N. L., Kolar Rajanna, S.	versus telephone outreach: a randomized trial at a minority- serving	American Medical	2022	29	1	chatbot, telephone, adult, article, comparative study, female, human, male, outcome assessment, questionnaire, vaccination, vaccine hesitancy	Chatbots are software applications to simulate a conversation with a person. The effectiveness of chatbots in facilitating the recuritment of dixy participants in research, specifically amough and and enter minorites, is unknown. The bejective of this study is to compare a chatbot versus telephone-based recruitment ne enrolling research participants from a predominantly minority paint population at an unkin ministrulu. We randomi yalicated adults to receive either chatbot or telephone-based concent to participants in the study in S2 participants, the primary outcome was the proportion of participants who provided consent to participants in the study in S2 participants, the primary outcome was the proportion of participants who provided consent to participants in the study in S23 participants, the proportion who answered contact attempts, was softicardly lower of the chatbot versus telephone state of the chatbot orgo (abloute) difference - 21.8%, 59% colfidence interval [0] - 270%, -16.5%, P < 0.001). The conclusion, the consent rate was lower who answered a contact attempt, which shatbot compared to telephone based or contact. The difference in consent rates was also used to a lower proportion of participants in the chatbot group who answered a contact attempt.	10.1093,fjarnia/ocab240	http://www.embauc.com/seard/result/sibabtion wiewrecordiki_U2016466578/innersport, http://dx.doi.org/10.1093/jamia/ocab240
J. Z. Kolter	AlphaCode and "data-driven" programming	Science	2022	378	6624	applied science, data set, Article, data driven programming, data processing, data science, language, large language model, model, prediction,		10.1126/science.add8258	https://www.scopus.com/inward/record.uri?eid=2- s2.0- s5143571175&doi=10.1126%2fscience.add8258&p artner/D=40&md5=ff023a074ad2f14fd5d508ccf1b5 9707
Nentidis, A., Bougiatiotis,	BioASQ-QA: A manality cursted corpus Question Answering		2022		(Krithar a A., akrithar adpit.de mokrito \$ 457; Boujati Boujati Nentidis A.; Boujati Otis K.; Palioura \$ G.) Informa Utics and Telecom municati tics and Telecom municati tics and Telecom municati tics and Telecom for Scientifi c Researc h "Demok	software anwering service, gold standard, human, human experiment, information retrieval, language, running	The BioXSQ question answering (QA) benchmark dataset contains questions in English, along with golden standard (reference) answers and related material. The dataset has been designed to reflect relationsmitted or benchmark and superstand is contain only each superstand in the dataset of the superstand is along the superstand is or contain only each superstand is along the superstand is along the superstand is provided with a superstand in the superstand is along the superstand is any superstand is along the superstand is experiments, as well as concepts that are useful in concept-to text Natural Language Generation. Researchers working on paraphrains and textual entitients and unserve the degree to which their methods improve the performance of biomedical QA systems. Last but not least, the dataset is continuously extended, as the BioASQ challenge is running and new data are generated.	10.1101/2022.12.14.520213	http://www.embase.com/araid/reault/haubaclion wiewerconds.dei_20222454998/nom=eport, http://do.doi.org/10.1100/2022.12.14.502013

Thomas, J., Alramlawi, S., Shah, S. J. H., Thornquist, E.	Interacting with a Chatbot-Based Advising System: Understanding the Effect of Chatbot Personality and User Gender on Behavior	Informatics	2022	9	4		engagement, human-computer interaction, trust, usage intention	chatbots focuses on functionality and accuracy rather than an interpersonal communication style. Existing studies on personality-imbade databots have mostly assess the effect of chatbot personality on use preference and stiffaction. Netweek, the influence of chatbot personality on behavioral qualities, such as users' trust, engement, and perceived authenticy of the chatbots, is largely unexplored. To bridge this gap this study contributes: (1) A detailed design of a personality-imbade databot used in academic advising, 2) Empirical findings of an experiment with students who interacted with three different version of the chatbots. Each version, vertex by psychology expersist, represents on or of the three dominant traits, agreeableness, conscientiouxnesi, and extraversion. The experiment focused on the effect of chatbot personality on trust, authenticity, engeneem, and interiorin to use the chatbot. Theremore, we assessed whether gender plays are ion student's perception of the personality-inhubed chatbots. Our findings show a positive inpact of chatbot personality on perceived nathot authenticity, engeneement, and interiorin to use the chatbot. Theremore, we assessed whether gender plays are ion student's perception of the personality, mine student gender does not play a significant role in the students' perception of chatbots. © 2022 by the authors.	10.3390/informatics9040081	https://www.stopus.com/inward/record.uri?eid=2- s2-0 \$1497144968.doi=10.3390%2?informatice980008 18.jwrtner01=408.md5=20:004/8.ddc8bz3ae14c514 5fcbc0008
Sumers, T. R., Yamakoshi, H., Goldstein, A., Hasson, U., Norman, K. A., K. A., K. A., K. A., K. A., K. Hawkins, R., Hawkins, R., Nastase, S. A.	processing in the brain using the internal computations of a transformer- based language model		2022		(Kumar S., sreejank @prince coldstei n A.; Hasson U.; Norman K.A.; Hawkins R.D.; Nastase S.A., snastase @prince ton.edu), Princeto n Neurosci Institute , Princeto n Universi		brain function, comprehension, decomposition, embedding, female, functional magnetic resonance imaging, human, human experiment, Inguage processing, male, prediction	Piecing together the meaning of a narrative requires understanding not only the individual words but also the intricate relationships between them. Now does the bain construct this fund of ruk, contestual meaning from natural language. Recently, a new class of artificial neural networks based on the Transformer architecture-has resolutionized the field of language modeling. Transformers integrates information across over six an utile language in a structure of across the construct. These draws are comma increasingly contextualized representations of linguistic context. In this paper, we deconstruct these draws language modeling and the taxosized across compactations in the human brain. Using functional MNI data acquired while participants indexed to narraticatic compositions in the human brain. Using functional MNI data acquired while participants indexed to narraticatic compositions in the human brain. Using functional MNI data acquired while participants intered to narraticatic compositions in the human brain. Using functional MNI data acquired while participants instruction compositions and end maintain the three transformations capture a harver of linguistic constance when the constant transformation maintain individual. Increasingly speciated " the tendence and the ten endence human brain transformation in individual individual hashs' constate with predictions of the anti-active in a specific constance and anon-demonsional contrains compositions that support natural language comprehension. Ianguage models to better capture the cascade of cortical computations that support natural language comprehension.	10.1101/2022.06.08.495348	http://www.embase.com/serio//results?ubation /www.emdkaic.201545875/forme-port, http://dx.doi.org/10.1101/2022.06.08.495348
Cheatham, M., Medenilla, A, Sillos, C., Bo Leon, L., Elepaño, C., Madriaga, M., Aggabao, M., Aggabao, M., Diaz- Candido, G., Maningo, J., Tseng, V.	Performance of CAIGPT on CAIGPT on Petential for Al- Assisted Medical Education Using Large Language Models		2022		(Kung (Kung Medenii la A.; Sillos C; De Leon Le; Elepaño C.; Madriag a M.; Aggaba o R.; Diaz- Candido o R.; Diaz- Candido o R.; Maring o J.; V., Victor@ ansibleh eaith.co m) Ansible Health, Inc,		clinical decision making, human, huma expriment, language, licensing, medical education, reinforcement (psychology), United States	We evaluated the performance of a large language model called ChatGT on the United States Medical Licensing Exam (USML), which consists of three earns: Sep 1, Step 22C, and Sep 2. DatGTP performed at or mark the passing threshold for all three earns without any specialized training or reinforcement. Additionally, ChatGTP demonstrated a high level of concordance and insplicit in its explanation. These results suggest that large language models may have the potential to assist with medical education, and potentially, clinical decision-making.	10.1101/2022.12.19.22283643	http://www.embasc.com/serie//results?ubation /www.embasc.com/series.export, http://dx.doi.org/10.1101/2022.12.19.22283643
Kuosmanen, Vartiainen, A. K., Nieminen, H., Kostenius, C., Bond, R., Mulvenna, M., Potts, C.,	process of artificial intelligence based chatbot to support and promote mental wellbeing in sparsely populated areas of five European	European Psychiatry	2022	65		5168	conference abstract, controlled study, exercise, human, human experiment, language, major clinical study, mental health, mental health care personnel, mental health service, mood, positive psychology, preliminary data,	Introduction: In many countries, people face problems regarding access to care, 24/7 support and evidence-based support. Digital interventions and as services, such as clatobics, can be one gointo to tack there beadlinges. There is a lack knowledge regarding how mental health chattots are developed and how to ensure that there is collaboration between mental health and digital technology experts and users. Objectives: This presentation describes the phases of the development for studies and the set of the charts and how they evaluated their potential. Second, university students and staff, mental health professionals and service user (n=78) participated in workhops to design the chartoo context. Their phases is of charts were were with chartots and how they evaluated their potential. Second, university students and staff, mental health professionals and service user (n=78) participated in workhops to design the chartoo context. Their phases to the 200 key mental in the 200 key and on the des that well althee mental health which needs booting and support from time keysica ericles release release release the second set of the second set of the second second set of the second second set of the second second second set of the second sec	10.1192/j.eurpsy.2022.446	http://www.embase.com/servic/results?ubation http://www.embase.com/servic/servic/results?ubation http://dx.doi.org/10.1192/jeurpay2022.446
Kuppusamy, Eswaran, C.	extracting the age-relevant features of the speaker	Ambient	2022	13		5655- 5667	systems, Speech recognition, Google+, Natural languages, Network-based, Relevant features, Spectral feature, Voice-recognition systems, Deep neural networks	conversational lockene including. Clatabit and voice recognition systems are in new high and distermining the age of a speaker is oricital for setting the pertinent cortext, large and is inferred from the speech signal by inferring various clarons such a sphysical attributes of voice, linguistic attributes, frequency, speech rate, etc., This paper discusses on extracting the spectral factures of speech such as Cargottal Coefficients, Speech and the speech signal periods of the speech space and would also helps in classifying speaker age through deep learning techniques. A novel approach is addressed along with the model for implementation using Deep kernal Network for addressifying techniques. A novel approach is addressed along with the model for implementation using Deep kernal Network for addressifying techniques. A novel approach is addressed along with the model for implementation using Deep kernal Network for addressifying techniques. A novel approach is addressed along with the model for implementation using Deep kernal Network for classifying the features such three different classifiers. The results obtained from the proposed system would outline the performance in speaker age recognition. © 2021, The Author(s), under exclusive licence to Springer-Verlag Grabit Gemany, part of Springer Nature.	10.1007/412652-021-03238-1	https://www.scoptac.com/invest/record.utr?leid=2 20.65105232466610-100797k151557-021- 02338- 18patrinet10-68kmd5-aa577cddf85ba4610072f89 19fa4626
Araujo, T.	Don't Take it Personally: Resistance to Individually Targeted Recommendation from Conversational Recommender Agents		2022			57-66	Conversational Agents, E-	Conversional recommender gents are artificially intelligent recommender systems that provide users with individually- tationed recommender loss by targeting individual needs and communicating in a flowing diadoue. These are widely available online, communicating with users while demonstrating howing diadoue these are widely available about the effect of their anthropomophic uses on users' relations to the system and recommendations. A coordingly, this study examined the extent to which conversational recommender agents' anthropomophic cues and the type of recommendations. An online expirated user-initiated and system-initiated influence users' altherance to the recommendations. An online expirate the user initiated or system-initiated relational the commender agents and we be commended partors that provided user-initiated or system-initiated, are less likely of laffect user' resistance to the system and are more likely to affect their adherence to the recommendations. The results entail that user-initiated recommendations, compared to system-initiated, are less likely of laffect user' resistance to the system and are more likely to affect their adherence to the recommendations provided. Furthermore, the study's findings suggest that thes effects are amplified for commendational excernment agents, demonstrating anthropomorphic cues, in contrast to traditional systems as we recommender platforms. © 2022 ACM.	10.1145/3527188.3561929	https://www.scopu.com/inward/record.ur/Yeid=2- 2-0- 8514466608.doi-10.1145%215527188.35615298, printert0=0.&&md5=72e8427.Cs3776/f3b97c5e351e ff2bd7
s.	Developing an Al- based chatbot for practicing responsive teaching in mathematics	Education	2022	191			Bementary education, Improving dasaroom teaching, Pedagodal sixues, Simulations, Teaching/Remains strategies, Curricula, Iterative methods, Teaching, Chatobis, Deelan features, Mathematical reaching, Alexanica, Teaching, Statervice teachers, Simulation, Teaching, Sila, Teaching, Nationa, Strategy, Students	complexity of the work of teaching, preservice teachers (PST) have been provided with approximated opportunities to practice reprodivice teaching will in teacher decision programs. Although increasing demarks for dataptive tearing refores the need for research on artificial intelligence (A) in education, here have been few approaches that engaged learnes in maningful interactions. Use gala was to develop an Abased chabto that sengged PSTs in an authentik, manningful, and open-ended teaching structures and a structure of the chabtor, 2) coverage of users' input, 3) PSTs' questioning anternas, and 4) user's operations. Two learning on design, interpretentions and evaluation to Aplace in an elementary mathematics education methods course. To build the chabtor, 42) coverage of users' input, 3) PSTs' questioning anternas, and 4) user's operating/intensity ourse, and propared corresponding responses to each intent. At the final hereinto, the refined chabtor adequately covered PST's questions and provider or relations and evaluation to baption in an elementary mathematics education methods course. To build the chabtor, 42) coverage of users' input, 3) PSTs' spacetime, the refined chabtor adequately covered PST's questions and provider orientities, each intent. At the final hereinto, the refined chabtor adequately covered PST's questions and provider relations creations cent and eagen that end lead to improved questioning patterns and user perception, including sequential responses, informing responses, and personification. Implications, design features, and limitations are discussed. © 2022 Elsevier ttd	10.1016/j.compedu 2022.104646	https://www.scopus.com/inward/record.uri?eid=2: 125.158047058.doi:10.1016/02/j.compedu-3022.10 464658.puritenie-0-88.md5-01.2?etx/S3br320591e74 886642a87b4e
Yeo, S. H. Y.	Developing an Al- based chatbot for practicing responsive teaching in mathematics	COMPUTERS & EDUCATION	2022	191			Elementary education, improving darson teaching, Pedagogical issue, Simulations, Teaching, learning strategies, DESIGN- BASED BESEARD, PEEPARANO, TEACHERS, EDUCATION, TECHNOLOGY, ERRORS	Response teaching promotes students' mathematical reasoning and positive attitudes toward mathematics. Due to the composity of the work of teaching, presenvice teachers (PSI-1) have been provided with approximated positivalities to practice responsive teaching skills in teacher educ-action programs. Although increasing demand for adaptive learning reinforces the need for reasories of an artificial intelligence (A) in ducation, then heve been few approaches that engaged learners in meaningful interactions. Our goal was to develop an A-based batatot that engaged PSI-is na subtentic, meaningful, and open- ended teaching structure to endance PSI and a variant student who displayed microanceptions on the topic of fractions. By an entrying desplay backs, see and year and a sing teacher of the elabort. J and engen- ended teaching structure, and year and the labort that engaged PSI-is na subtentic, meaningful, and open- ended teaching structure, and where endance and a backs of the elabort. J and engen- eration and the elabort and the single heart and a structure of the elabort. J and engen- eration and the elabort and the single heart and and the elabort and the elabort. J and engen- eration and the single structure and the single heart and provider developed interactions and the elabort and the elabort. J and engen- teration and the single structure and the single heart and provider developed the training data. A categorized them in the single structure and provider developing responses to each intert. A the final kernetics, ethic equivalence provider and provider developing responses to each intert. A the final kernetics, ethic equivalence provider and provider developing responses to each intert. A the final kernetics ethic-equivalence provider provider and the top of the component on data the elabort improved questioning patterns and user perception, including sequential responses, informing responses, and personification. Implications, design features, and limitations are discussed.	10.1016/j.compedu.2022.104646	

J. S. Lee	The Effectiveness		2022	362		194-199	Artificial Intelligence, Deep	Generative patent language models can assist humans to write patent text more effectively. The question is how to measure	10.3233/FAIA220466	https://www.scopus.com/inward/record.uri?eid=2-
	of Bidirectional Generative Patent Language Models						Processing, Patent, Computational linguistics, Natural language processing systems, Patents and inventions, Generative model, Human-centric, Language model, Language processing, Natural languages, Training data	effectiveness from a human-centric perspective and how to improve effectiveness. In this manucorgit, a simplified design of the autocomplete can reach more than 60%, which means that more than 60% vith the simplified design the effectiveness of autocomplete can reach more than 60%, which means that more than 60% of keytories can be sixed by autocompletes. Since writing patient test does not necessarily actit from the beginning to the end, aquestion is whether the generative models in this manucority are per trained with training data in the biot decision. The generative models in the analysis of Biotectional, the calculation of autocomplete effectiveness can be biotectional and stars from anywhere in the test. After thorough the calculation data. The finding locates that such biofeccional models can assist a user at a similar level, no matter where the scalaultion stars. The finding locates that such Biotectional models can assist a user at a similar level, no matter where the user starts to write. © 2022 The authors and IOS Press.		120- 83166398148.doi-10.322315217AIA2204668.partn erl0-408.md5=fb2b422bbcb67700087434455e36e bab
X. Li, Xie, S., Ye, Z., Ma, S., Yu, G.	Patients'	Journal of Medical Internet Research	2022	24			study, demographics, discrimiant viality, doctor patient relationship, expectation, female, human, information system, information system, information system, major chincial study, male, outpatient department, partial least squares regression, patient attitude, personalized medicine, public heath, qualitative analysis, questionnaire, self care, sustainable development, humatic analysis, voice recognition	Badground: Conversational agents (DA) have been developed in outpatient departments to improve physican-patient communication effectors. A sen dues, a publicity contained the enterior is essential for the sustainable development of CAs. Objective: The aim of this study was to facilitate the accessful usage of CAs by identifying key factors influencing patients' continuance interfactions, multiple temporaling managerial implications. Methods non patients' specific expectations on the advectory of the study was to facilitate the model via a corea-sectional field anvey. The qualitative data development continuation model and empirically tested the model via a corea-sectional field anvey. The qualitative data CAs. Patiel least spaces structural equation modeling was applied to assess the model and hypothesis. The qualitative data development continuation interface of the structure data and the structure data and the structure data and approximate the structure of the structure data and the structure data and the structure data and the structure data and approximate the structure data and the structure data and the structure data and the structure data and the structure data and approximate the structure data and the structure	10.2196/40681	http://www.embace.com/ser/dr/esult/?ubacion everenced/dia/c22166/07/Afrome-gord, http://dx.doi.org/10.2196/40681
Yeo, Y. J. E., Low, Y. M., Chew, Y. R., Ganapathy, S.	presentations to the paediatric emergency department in Singapore		2022	63			study, Singapore	Introduction: This study aimed to characterise neonatal paediatric emergency department (PED) wits, analyse the main paediatric illness and estabilish asociations of these demographic with the readmission rate and assemity of their presentation. Methods: A retropactive analysis of neonates (paed -28 days) presenting to the PED) of our hospital over seven months was performed. Associations between the clinical and energraphic data of admissions to the PED and inpatterin admissions were analysis. In total, 1,200 neonates presented during the study period, 7.93% of whom presented at lesions to the PED and inpattering the PED assiss to the DED and inpattering categories comprised non-PE cases (97.5%). The main diagnoses at the PED were recental jaundice (NNI; 66.8%) and neonatal previa (NNP: 1.64.8%), which corresponde to the main diagnoses upon discharge from the hospital: NNI; (66.8%) and neonatal previa (NNP: 1.64.8%), which corresponde to the main diagnoses supon discharge from the hospital: NNI; (66.8%) and neonatal previa (NNP: 1.64.8%), which corresponde to the main diagnoses supon discharge from the hospital: NNI; (66.8%) and neonatal previa (NNP: 1.64.8%), which corresponde to the main diagnoses supon discharge from the hospital: NNI; (66.8%) and NPI (15.6%), 42.5% of neonates were referred from ps/yolinics or other clinics, 37.7% of the neonates were admitted. Interestingly, parters themateles, without pror consultation with the doctor. Conclusion: Outpatient management of NNI can be considered. Caregivers should be rowided better duscianor regarding morning hippitalicical characteristics of methoding standardinde discational materials. Other potential averues for parents to seek medical advice, for example hotitoes and Chatbots such as the recently piloted Urgent Paediatric Advice Line online service, should be considered.	10.11622/smedj.2021160	http://www.embake.com/seard/reiult/3rubation viewewcodiki-todis55598fromegot, http://dx.doi.org/10.11622/imedj.2021160
J., Lau, Y.	Delivered Psychotherapy for Adults With Depressive and Anxiety Symptoms: A Syntematic Review and Meta-Regression	Behavior Therapy	2022	53			Comprehensive Meta-Analysis 3.0, adult, anxiety disorder, chatbot delivered psychotherapy, clinical (topic), confidence interval, covariance, data base, depression, effect size, evidence based medicine, human, meta analysis, problem solving, program	Although psychicherapy is a weitestabilised treatment for depression and anxiety, chaltox-delivered psychotherapy is an energing field that has yet to be explored in dept). This reveals anto (a) examine the effectiveness of chaltox-delivered psychotherapy in improving depressive symptoms among adults with depression or anxiety, and (b) evaluate the preferred features for the elarge of databot delivered psychotherapy. [b] techtronic attabots at spinforms darged to databots and the elarged model and the elarged set of the elarged set of the elarged model and controlled that analysis and random effects meta-regression was conducted using Compensione Meta-Analysis 3.0 software. Overall fields was measured using lengles § and delivered using a compensione Meta-Analysis 3.0 software. Overall fields was measured using lengles § and delivered length effect tables at a spinform single of psinform single and the strength effective set of psinform singlend strength effectives was reduced using the strength effect strength effective set of psinform singlend strength effectives and effective meta-analysis (a) of psinform single psinform	10.1016/j.beth.2021.09.007	http://www.embac.com/ser/dr/esult/sizubation wervercodf&ic105792426f/merueport, http://dx.doi.org/10.1016/j.beth.2021.09.007
H., Rao, R., Hie, B., Zhu, Z., Lu, W.,	Evolutionary- scale prediction of atomic level protein structure with a language model		2022		(Lin Z; X Akin H;; Rao R; Zhu Z; Zhu		amino add sequence, conformation, human, human experiment, language, metagenomics, prediction	Artificial intelligence has the potential to open insight into the structure of proteins at the scale of evolution. It has only recently been possible to extend protein structure prediction to two hundred million cataloge proteins. Charactering the structures of the exponentially growing billions of protein sequences revealed by large scale gene sequencing experiments would necessitate a breakthough in the speed of folding, there we show that direct inference of structure from primary sequence using a large language models lenged of thomagnetic second structure prediction. Leveraging the insight that language models lenged of thomagnetic accounts account on the sequences, we take the models up to 159 annexes, the larged language models length are involutionary patients accounts million accounts. This results in prediction that is ognite 0.5 M breakgerownets, the larged language models length and the resolution of individual atoms. This results in prediction that is ognite 0.5 M breakgerownet. The single and the efficience of the site of the sequences of the second structure are reveal in comparison with experimentally directure of a protein and one designeeming conteins, with note than 0.5 million structure. The sitals reveals more than 2.25 million high confidence predictions, including millions whole structures are reveal in comparison with experimentally directure of a protein on earth one of the site of the structures are reveal in comparison on earth.	10.1101/2012.07.20.500902	http://www.embac.com/ser/d/result/s/u-bation //www.emd64ii-2157701466f/meru-export, http://dx.doi.org/10.1101/2022.07.20.500902
G. D., Zeng, X. J., Deng, Y., Zhang, Y.,	A Sylical Image Caption Approach Based on Cross-Media Disertangled Representation Learning	Xuebao/Chinese Journal of	2022	45	12	2527	image caption, Classification (of information), Computer vision, Corvolutional neural networks, Learning algorithms, Learning systems, Linguistics, Modal analysis, Multilayer neural networks, Natural language processing systems, Signal encoding, Image caption, Language	The task of splited mage caption aims to generate a natural language description that is semantically reliefed to a given image and consistent with a given linguistic style. Both regurements much this ask splitently more difficult time the traditional image caption task. However, with the availability of the large-scale image-test corpor and advances in deep learning techniques of comparet vision and natural language processing. Stylesel mage caption technic more difficult time traditional integers that styles in the style integer caption and the stylese integer caption technic as of comparet vision and natural language processing. However, the stylese integer caption technic as of combuliconal Neural Networks 100%, to yield technic regresentation. This makes the latter representations on garantees of model last interpretability controllability, which can restrict the understanding of this task and its further improvement. In this paper, we focus on the problem of understanding and controlling per consella, showing is shared material to the style of mage caption models by learning distantaged representations. Disting distantagement methods mainly work on single model data, single and test, involved to learn a representation. Distantion of the splits they are factual control to be of proof. Improvement, in ships and regulations of distanting description of the stark and that they and test, involved to destandinged the latest space of consenda data still metage processing, however, in ships alter garace to the problem of understandinged to be sploted. Implementations on unparallel applications of distantinged representation hearing on Computer Vision and Natural Language Processing, we propose a nodel approach, Distertangied Skylein lange Caption (DGL), to learn the explorations on unparallel ships in the single of the start ships and the single to the start shift in the propose and approach, Distertangied Skylein lange Caption (DGL), be learn the explored problem segmeticly, tabled, Disk and Scart and the starti	10.11897/SPJ.1016 2022 02510	https://www.scopa.com/inward/record.uri?eid=2- 2.0- 85144576728.doi:e10.118979c2f99_1.1016.2022.02 505.gartereft=0-86Mcm5-217a5799a42.dd148ee29f 72939314518
N. F. Lindemann	'Deathbots'	Science and Engineering Ethics	2022	28	6				10.1007/511948-022-00417-x	https://www.soppac.com/invend/record.unTeid-2 20.4531421339068doi-10.1007%2/h11948-022 00417- 00417- 048/putruef10-d08/md5-7091c7/e33006f0a16055304 241649eda

Holt-Quick, C., Hopkins, S., Stasiak, K., Hetrick, S., Warren, J., Cargo, T.	Support Young People During the COVID-19 Pandemic in New Zealand: Evaluation of the Real-World Rollout of an Open Trial	Journal of Medical Internet Research	2022	24	11		mental health, New Zealand, pandemic, positive psychology, questionnaire, social interaction, social support, stay-at-home order	Background: The number of young people in New Zaaland (Adstarca) who experience mental health challenges is increasing. As those in Adstarca went into the Initial COVID-19 lockdown, an engoing digital mental health project was adapted and people to health manage pandemics related wenry. Objective: Aroba was developed to provide practical addince-based tools for anaker management using captithe behavioral Iterary and poolice mychodys. The Abbet Initiade Dynamical Metal Tool Ser maintain accial and cultural commention, and to stay active and well. Methodis: Say-at-home orders under Adstarca's lockdown maintain accial and cultural community matched promptly on April 7, 2020. Dissemination of the chatbot field and provide particular leads on a infrastruture, the Aroba chatbot was launched promptly on April 7, 2020. Dissemination of the chatbot field and partical leads to a URL, and Reedus. On the experience of Anaba was gathered us an elle question and and a loca group, and from community members. Results: In the 2 weeks following the launch of the chatbot, there were 330 registrations, and 2 surves loged in the chatbot, of whom 22 were in the target grange (13.24 years). Teedback gathered terative and response conternation to suit the dynamic situation and motivated engineering to dynamically detect and resolute anticetural anticetural encoders. Conclusions: The expense of the implementation of the chatbot, there were 330 response to anticetural antibioting to sait the dynamic situation and motivated engineering to dynamically detect and response conternational interval conclusions: The operance of the implementation of the Arobatbot highlights the fassibility of providing timely event-specific digital mental health support and the technology requirements for a fileable and enabling chatbota antihectural framework.	10.2196/38743 10.3389/fgene_2022.1067562	http://www.embase.com/search/results?ubaction werecond&id=2021266/38743 http://dx.doi.org/10.2156/38743
Lee, E. Y.	Development of an integrated platform for highly accurate promoter prediction and visualization of Synechococcus sp. and Synechocystis sp. through a state- of-the-art natural language processing model BERT	Genetics					factor, article, cyanobatterium, decision making, deep learning, DNA sequence, Escherchik acil, Eubatterium limosum, human, natural language processing, prediction, promoter region, protein DNA interaction, protein protein interaction, RNA sequencing, Synechococcus, elongatus, Synechocystis	(NP) models have attained state-of-the-art (SOTA) performance on various task. As DNA is the blueprint of Ite, It can be viewed as an musual language, with is characteristic texion and gramma. Therefore, NP models may provide insights into the meaning of the suggestion attracteristic texion and gramma. Therefore, NP models may provide insights into the meaning of the suggestion analyse the performance of popular SOTA NF models. The SOTA INF models is the suggestion analyse the genometers in freshwater cynoloscitarium synechococcus evolutions. The soft sector cynoloscitarium synechococcus evolutions are suggestioned to resist and analyse the displays and the statest graving cynoloscitarium synechococcus evolutions. The state sector cynoloscitarium synechococcus evolution to model and the statest graving cynoloscitarium synechococcus evolutions. The trained model and here and analyse the displays and the statest graving cynoloscitarium synechococcus evolutions. The state cynoloscitarium synechococcus evolution and the statest graving cynoloscitarium synechococcus evolutions. The state cynoloscitarium synechococcus evolution and the promoter residence and NIACC score 0.92 and F score 0.92 and F score 0.92. To inter evolution and the promoter residence and NIACC score 0.93 and F score 0.92. To interest evolution and the promoter residence and NIACC score 0.93 and F score 0.93. To interest evolution and the promoter residence and NIACC score 0.93 and F score 0.93. To interest evolution and the promoter residence of 0.93. To interest evolution the state extraction, model training, and promoter prediction from public BMAVest datastest. Turtemore, y-invitor visualization to take whether the statest is and the state evolution and the state evolution and the promoter regions for newly isolated strains with similar lineages.		=viewecord8id=12020574732&from=export, http://dx.doi.org/10.3389/fgone.2022.1067562
	Structuralism: Introduction	Theory, Culture and Society	2022	39			Strauss, Jonathan Culler, Mary Douglas, narrative, Roland Barthes, structuralism	This commentary introduces a section of the journal titled Notes on Structuralism: It centres around two interviews. The first, from 1997, is with the structural anthropolast Mary Douglast, who speaks on viscous aspects of her work, including on nutrity and Danger). The second is an interview with Roland Barthes, who, speaking in 1965, was at the height of his structuralist phase. The interview focuses upon the structural analysis of narrative and prefigures the well-known volume of Communications on the subject. The interviews are supplemented with introductions and: a commentary on Barthes' interview by Jonathan Callier, who contextualizes the development of Barthes' thinking around narrative (as it leads to the publication of 52,0). The article conductive with reflections on structuralism with regards to contemporary practices of big data, Al and large language models. O The Author(s) 2022.		http://www.scopus.com/inward/record.ui?leid=2- 2.0- 85147795798doi=10.1177%2/026327642211418 238.partnetii0=408md5=2c00059a26545ce936/469 080ee9680b
	development initiatives in	ANNALS OF LIBRARY AND INFORMATION STUDIES	2022	69	4	282-293	Acoustic management, Carbon footprint, Chatbot, Crowd funding, Energy Conservation, Green library, Robotics, Sensor, Sustainable goals, GREEN, SERVICES	The purpose of the present study is to give an overview of the sustainable development (SD) initiatives observed among the selected libraries around the work?. The present study employed a web-based context analysis method among the selected academic and public libraries to investigate the adherence of features of the green library. Based on the survey of library websites and reviewing related literature, the study destilled the parameters contributing to the sustainable development intent of the library. With examples, this study also howcases the current practices followed by the libraries to implement green library strategy. Answore, the challenges laced by the libraries in their effort to green was also destilled and disadiments of green indicators by the librarias and information science professionals.	10.56402/alix.v69i4.66044	
Diniz, C. S., Chagas, B. A., Mendes, M. S., Prates, R., Pagano, A., Ferreira, T.	Leveraging		2022	10	12		COVID-19, delivery of health exer, digital health, mobile health, primary health care, remote consultation, telemonth, identication, telemonth, id	Biodground: Although a great number of teleconsultation services have been developed during the COVD-19 pandemic, studies assessing usability and health are provide statistication are utilic indipent. Objective: This study wind to describe the development, implementation, and expansion of a synchronous teleconsultation service targeting patients with synchronous COVD-19 in final, well as to assess the sublify and health incer professional' astisticon. Methods: This mean methods study was developed in 5 phases. (1) the identification of components, technical and functional requirements, and system the clinics of phases (1) the identification of components, technical and functional requirements, and system the clinics of phases (1) the identification of components, technical and functional requirements, and system the clinics of phases (1) the identification of components, technical and functional requirements, and system the clinics of phases (1). The identification of the clinics of the clinics of the clinics of phases (1) the identification of the clinics of phases, which were sent to users to totan in the recleance and the clinics of phases (1). The identification of the clinics of phases, which were sent to users to totan in the feedback and keep track of them. Until April 2022, the expanded system strend 31,646 patients in 144,545 teleconsultations. Teleconsultations were initiated through table in 72,716 (2),654/26,159 (2) of cases. In total 30, 2018 (2),554 (2) in teol in total on 93,77k (13,371/4,221) in Telfolio Clonic, 92,4% (13,771/2,72,713) in Divinopsilis, and 98,854 (69,87),554 (1) in tele interaction or professional assessed the system isolability as astistactory, despite a few system instability professes. Conclusions: The system professional assesses the system' sublify as a sublicatory, despite a few system instability professes. Conclusions: The system professional assesses the system' sublify as a sublicatory, despite a system instability professes. Conclusions: The system profesional assesse	10.2196/37591	https://www.scopu.com/invard/record.ur/Reid-2- 2.0- 851453916538doi-10.2196%2175918.partnent0-4 08md5-b3185e1169aa7435c8e880ed034972e2
Diniz C. S., Chagas, B. A., Mendes, M., S., Prates, R., Pagano, A., Ferreira, T. C., Altxnim, M. B. M., Oliveira, C. R., M., Roposo, M. C., Ribeiro, L. B., Rocha, G. M., Cardoso, C. S., Ribeiro, A. L. P.	Teleconsultation and Monitoring Service Targeting COVID-19: Leveraging Insights for Peotpandemic Health Care		2022	10	12		telehealth, text message, mobile heatth, public health, remote care, digital health, usability, TELEHONE, QUALITY, ACCESS	Background: Although a great number of teleconsultation services have been developed during the CDVID-19 pandemic, studies assessing usability and health care provider satisfaction are still incipient. Objective: This study annee to decribe the development, implementation, and equation of a synchronous desconsultation services tradents gateling states with synchron of CDOID-19 in an end, as an explored to a synchronous desconsultation services. This study annee to decribe the services are also also also also also also also also		
Martinengo, Lum, E., Car, J.		J Affect Disord	2022	319		598-607	Depression/therapy, Anxiety	BACKRONUN: Conversational agents (CA) or chatotos are increasingly used for depression, anteky, and wellbeing management. CA are considered acceptable and helpful. However, little is known about the adequay of CA response. This study assessed the structure, content, and user-cutomization of mental health CA dialogues with users with depression or at risk of suicide. METHODS We used content analysis to examine the dialogues of CA periously included in three assessments of mental health apps (depression deutarion, self-guided cognitive behavioural threapy, and suicide prevention) performed between 2013 and 2020. Two standardized user personas with depression were developed to interact with the CA. All conversations were saved as correshots, transcribed verbatim, and coded inductively, RESUITS. Nine CA were included. Seen col. (176). additional conversion of the structure, conversion of the periods assessment that conversion of the periods assessment and the conversion of the periods assessment threads. Conversion of the periods assessment these. CNRLUSION: Kassed CA offered in the sacet strategies associated with the periods assessment threads. CNRLUSION: Kassed CA offered in the sacet strategies associated with the periods assessment threads. CNRLUSION: Kassed CA offered in the sacet strategies associated with the periods assessment trafter expendent backwent conversions of the interventions in mental health care and in enhancing suicide risk management strategies.	10.1016/j.j.µd 2022.09.028	
A. McStay	Replika in the Metaverse: the moral problem with empathy in 'It from Bit'	Al Ethics	2022			Jan 13	Augmented reality, Chatbot, Empathy, Metaverse, Miaed ensity, Replika, Xaoke, nonmeting interests to declare.	This paper assesses claims of computational empathy in relation to existing social open-ended chatbots and intention that these chatbots will feature in emergent maker drailing contexts, recently gives prominence due to interest in the McLawerse. Against the background of increasing lowelines within society and our of chatbots as a potential remet/or this types considers and the background of increasing lowelines within society and our of chatbots as a potential remet/or this types considers apparent layer that have scope to catal into the Metawerse (if it chares), Finding scope for human benefit from social chatbots, the paper highlights potential relations of disclosure to subscope and theorets. The paper progress to situate Microsoft's empathetic computing framework in relation to philosophical ideas that inform Metawers opeculation and construction, industry Meteef's if from the thesis that all assest of existence may be computed, Chatbots, the paper insplits/theoremis belief that future complexis simulations and provident for mices and toxing's blocoghical championing that virtual realities are genuine realities, bostrom's proposal and provident for mices accounts de loday. Given champione previous theorem that future complexis simulations and toxing and provident form decisions made today. Given champione previous theorem that future complexis immutation with the paper finds when diverse accounts of empathy are accounted for, whils something is irrevocably lost in an 'f from Bit' account of empathy, the missing components are not accuracy or even human commonality of experience, but the moral dimension of empathy.	10.1007/x43681-022-00252-7	

Fabbri, C., Weigt, M., Pagnani, A., Feinauer, C.	Interacting Protein Sequences using Domain-to- Domain Domain Translation		2022		(Meynard Piganea u B.; Fabbii C.; Feinauer C., christop h.feinau er@unib) Depart J. Depart Monton Sciences Sciences and Analytic S (BIDSA), (Misro		human experiment, language, protein domain	Motivation: Being able to artificially design newel proteins of desired function is photal in many biological and biomedical applications. Generative statistical modeling has recently emerged is a new paradigm for designing anno acid sequences, including in particular models and methoding methods for over dorn Natural Language Processing (NLP) However, most approaches target single proteins or protein domains, and do not take into account any functional appecficitity or interaction with the context. To extend beyond current comparisonalizationing targeting we develop a method for generating protein domain sequences intended to interact with another protein domain. Using data from natural multi-domain proteins, we cast the proteins as a translation problem from a give interactor domain to the new domain to be generated, it, we generate artification aptrate sequences conditional on an input sequence. Results: Evaluating our model's quality using diverse metrics, in part related to distinct beyond current constrained barbor models of the art ballows and corregensive strategies. We also explore the possibility of fine-turing per-trained large language models for the same task and of using Alphafield 2 for assessing the quality of sampled sequences.	10.1101/2022.05.30.494026	http://www.embase.com/search/results?wbaction -viewercondiviet_2022240178/rom=export, http://dx.doi.org/10.1101/2022.05.30.494026
Kadoglou, N., Mishra, N., Whittington, P., Dogan, H.	Evaluation of YouDiagnose: Artificial Intelligence Powered Physician Consultation				A., draswini @gmail. com) YouDiag nose Limited, United Kingdo m		automation, cancer risk, chatbot, clinical assessment, consultation, exercise, human, patient triage, physician, quantitative analysis, questionnaire, rating scale, usability	performed remetely during video or telephonic consultations. While telemedice has added to alterly and social distancing during the pandmer, the manual and resource-intense process of telephonic and video consultations has not helped to asset patient backing, rather has added to this snowballing issue. This paper describes about YouDiagnose pre-consultation exercise that automates patient triage ad dirical assessment using artificial intelligence technologies delivered through either a famit Questionnaire or Chatbot. A usability evaluation was conducted with participants from the Patient and Pablic involvement and Engegement Smatte (PIG) of the innovation degress conducted with participants from the Patient and Pablic involvement and from the participants on both modalities and quantitative feedback in the form of the System Usability Scale (SUS), comparing the usability of both interaction modalities. The SUS scoss were analysed using the Adjective Pating Scale Har revealed the Smart Questionnaire had "Good Usability" compared to 'OK Usability' of the Clatbot. The results shows the user experience and untapped potential of process automation and artificial intelligence in clinical services.		=viewecord&id=20220756438/rom=e.gort, http://dx.doi.org/10.1101/2022.12.20.2283710
Mohamed, Kassem, A.	transformer- based model for Arabic sentiment		2022	13	1		NIP, Arabic text, Sentiment analysis, Frankolke learning, Transformers, BERT	Sentiment analysis is a common and challenging task in natural language processing (NE): It is a widely studied area of nearchy: It folliates capturing public points abut a topic product, or revice. There is much research that taskles: English sentiment analysis. However, the research in the Arabic language is behind other high-resource languages. Recently, models such as bidirectional moder representations from transformers. (BERT) and generates per variand transformer (BCT) has been videly used in many http://www.english.com/english.c	10.1007/513278-022-01009-0	
Werner, A.	medical	Digital Health	2022	8				Digetize Digital transformation in higher education has presented medical students with new challenges, which has increased the edificulty of organing their on subusite. The main objective of this study is orealised the effective of organizing their on subusite. The main objective of this study is orealised the field students of a charbot at a conversion prior the index of unitarial transmitter of the study is orealised the field students of the conversion of the charbot at a conversion prior the index of unitarial transmitter (charbot conversion) study end prior theorem of SPG201 and suphratile (charbot conversion) study end prior theorem of the conversions in SPG200 theorem with a conversion of the charbot at a conversion of SPG201 and suphratile (charbot conversion) study end prior SPG201 terms were also obtained in the students who participated in the students and a conversion student students are prior and students at a student student student student and whether the students are students and the students and a charbot conversion student students and students who participated in the students student student and whether analysis of the SPG20 terms were integrated in the tab thewere medical students and a student analysis of the SPG20 terms student increased strues there is a student and whether analysis reading the students students students analysis of the SPG20 terms students analysis contab the conversations with Medical distance students are providing an assessing that contained requirements have a significant impact to a reporting and structures there and success of the chatbot. Conclusion: The restructures the conversations. Increasing the chatbot's technical and social capabilities could have a positive impact on user acceptance. ® The Author(s) 2022.	10.1177/20552076221139092	https://www.scopus.com/inward/record.un?eid=2- 20- 8518279187.8doi=10.1177%2705550762211390 92.8gautner(D=108md5=4465/331106c1da98928/9 ae8ba54def
Franch, X., Marco, J.	Software-Based Dialogue Systems: Survey, Taxonomy, and Challenges	ACM Computing Surveys	2022	55	5		processing systems, Recurrent neural networks, Speech	The use of natural language interfaces in the field of human-computer interaction (HCI) is undergoing interace study through dedicated scientific and industrial research. The latest contribution in the field, including deep learning approaches like recurrent neural networks (RNMs), the potential of context-wave strategies and user-centred design approaches, have brought back the attertion of the communit to software based dialogues systems, generally humon as conversational agents correly chatbots. Nonethieless, and given the novelty of the field, a generic, context-independent ownrive of the current task of research on conversional agents correly all research perspective involved an instrument to software that of research on conversional agents correly all research perspective involved an instrument. Software based discontext, that a relate of research on conversional agents correly all research perspective involved an instrument back the attempt of the current task of research of conversional agents through a systematic literature review of secondary approache bounded published by recent literature without advired domains; research licenses and constants. As a result, this research proposes is holdist taxonomy of the different dimensions involved in the conversational agents for expected to help researchers and to all type groundwork for (three research in the field of natural language interfaces. © 2022 Copyright held by the owner/author(1). Publication rights licensed to ACM.	10.1145/3537450	http://www.scopu.com/nward/record.un?eid-2- 20- 85135541182&doi-10.1145%218572506.partneri D-40&md5-beecb217d311114c17ec13ade4526cd5
J. Ng, Haller, E., Murray, A.	The ethical chatbot: A viable solution to socio- legal issues	Alternative Law Journal	2022	47	4	308-313	artificial intelligence, chatbot, lawyers and the legal system, Legal services, online/cyber	Chalbots are becoming important today because of their various technical functions. They are commonly known for providing legal guidance on processes and general information. However, chatbots can also help solve sussed social disconnectedness. This article takes and use level of the various types of chatbott theid and with soci-degal susse, with a locas on the use of chatbots by organisations that provide certain forms of legal services, such as community legal services. It highlights the chatbots bally to certae a social impact, while ensuring adherence to rules of legal ethics and principles of ethics in Artificial intelligence. 0 The Author(s) 2022.	10.1177/1037969X221113598	https://www.scopus.com/inward/record.uri?eid=2- 32.0- 85134339989&doi=10.1177%2f1037969X2211135 98&partner(D=40&md5=4c1fca2132099ea7d5f41af 2fec355b8
Vartiainen, A. K., Mulvenna, M., Potts, C., Kostenius, C.	multilingual conversational scripts for a mental wellbeing chatbot - where	European Psychiatry	2022	65		5293	controlled study, conversation, human, human experiment, language, mental health, mental health care	Introduction: Digital mental health interventions, such as dutatots that promotemental health andwellbeing are a promisingway to devel how therwhold support 24/7 for those in eed. According to current knowledge about the topic, health care professionals should participate in the design and development process staff tail interventions. Dijectives: The aim of this presentation is discrible the interlicipaling volted metal health professionals and potential users to identify requirements. Content was created, evaluated and testering in international, multi-disciplinary group workhops, and online tools were used to allow the collaboration. Initial conversational scripts were drifted in English, and translated into Finnish, Swedish and Scottish Galici Reauts: A multilingual hattor twas developed and the conversation scripts were structured and scied using a spread/heat. The conversation scripts will be made freely available online in due conver using this structured approach to development and automatic scripts will be made freely available online in due conver using this structured approach to formating enabletic and supportive conversation to schort thermone suitable for a Antotic. Conversation scripts for mental health furthost. Conversation scripts thatic. Conversation scripts the conversation to schort there use visit which conversations to activatic. Conversation scripts will be made freely available online in due to and a subschort. Conversation scripts will be made freely available online in due to antitist and the structure approach to conversation scripts for mental health chattos. Conversation develop and the conversation and battor. Conversation conversation to advanter development processes of mental health chattos. Conversation to advanter development processes of mental health chattos. Conversation and conversation (Conversation and conversation allow health professionals to design chattot scripts using design guidelines.	10.1192/j.eurpsy.2022.748	http://www.embasc.com/serio//esult7:Jubation viewrecordiki-clog9855118f/on-ser.port, http://dx.doi.org/10.1192/j.eurpey.2022.748
S., Muhamad, K., Rozilawati,	using Chatbot- Based Prototype (SCIMORT)	Journal of Medical Imaging and Radiation Sciences	2022	53	4	51	blinking, breast cancer, cancer radiotherapy, case report, chatbot, clinical article, clinical practice, communication skill, conference abstract, content validity, controlled clinical trial, critical thinking, Cronbach alpha coefficient, diagnostic imaging, eye movement, female, human, b	introduction: Effective communication skills are integral to providing adequate patient care and are fundamental to fail effectiveness. This is a particularly imported for ardiotherapy students while interactivity with patients. Students tend to feel disempowered and inadequate to communicate effectively due to repeated miscommunication between students and patients. For students seeing to develop that skills, confidence, howevelops, and critical thinks, Behedel learning based communication skills training may have been an alternative approach. In this study, a chatbot-based prototype model (SCMORT module) was designed to effectively importe the communication skills of undergraducties in objectivity that final exportance Radiotherapy correct acidemic splato and learning depletive. SCMORT was developed in compliance with the Clinical Practice for Radiotherapy correct acidemic splato and learning depletive. SCMORT was developed in compliance with the Clinical Practice for Radiotherapy correct acidemic splatos and learning depletive. SCMORT was developed in compliance with the Clinical Practice for Radiotherapy correct acidemic splatos and learning depletive of regular based prototype model (SCMORT regione, instancion of vice). In the scool plates, The first phase focuses on developing the SCMORT module, while regione, instancion of vice). In the scool plates, the expert validation of the questionnair resulted in a high Content Validaty Radio drive et and a Berreet and a Contexh challs coefficient of more than 70%. Both the correl grady (user' acceptance = 3.319 ± 1.145; user's coefficience and engingement with SCMORT was enstruce. Taxiciss and proven to be an effective and acceptable tool for pre-clinical learning, but with limited levels of engagement. The SCMORT module should be continually improved by adding elements that make it more interactive and adaptable to student needs.	10.1016/j.jmw-2022.10.005	https://www.embase.com/seur//seu/15/au/ation wierwerodrikki-uz/25/13/32/8/mome.epot. http://dx.doi.org/10.1016/j.jmir.2022.10.005
Musiello, F., Keter, A. K., Barnabas, R., van Heerden, A.	Acceptability of	J Med Internet Res	2022	24	12	e39816	Adolescent, Young Adult, Hiv, Self-Testing, Cross-Sectional Studies, South Africa, HIV Testing, *HIV Infections/diagnosis/therapy, *Telemedicine, Mass Screening, HIV self-testing,	BACKGRUND: HIV testing rates in sub-Saharan Africa remain below the targeted threshold, and primary care facilities struggle to provide adequate services. Innovative approaches that leverage algoit technologies could improve HIV setting and access to treatment. DIBETCH: This study and end is examine the facility and acceptability of Movand Jott. It is a subJul-speaking conversational agent designed to support HIV setf-testing (HNST) in Kw2Alu-Hata, Suth Africa, MCTHODS: NolvaJ, Dott Wa designed with a different personalities that uses could choose when setching a convolution for them HVIST setsion. We recruised subject to the STR Satury and the sets could choose when setching a convolution for them HVIST setsion. We recruised address that the setsion of the set of the setsion of the setsion of the convolution of the set of the set of the setsion. We recruised subject HIVTS RESULTS servicing and FLD 2013 ranged in age from 18 to 47 years. Movim HI of them howing med (SJ120, 2013 SS1) to the 120 participants, 11 (B235) hadt tested with a human counselor more than onco. Of the 120 participants, 58 (SJ120, 27.53) in detected with a human counselor more than onco. Of the 120 participants, 49 (SJ120, 27.53) reported HNT Resting experimence with the databetive subjective HNT Restanced that ther HVI testing experimence with a databut was much better than that with human counselor. Many participants (SJ120, 72.53) reported that they experies in databut was much setters. Many participants (SJ120, 72.53) reported that they park in databut years intervations. SG12(J120, 27.54) induced that ther HVI testing experimence with a chatabut was much setter. Many barticipants (SJ120, 72.53) reported that they experies in databut years intervations. SG12(J120, 27.54) in the participant with underwettion stops years in MUS reports and SG1. SG12(J120, 72.54) in the bettest is deplay intervations to years in the scenee status. SG12(J120, 72.54) intervation of this much was associated with clinic- sem and word hous we w	10.2196/39816	

Musiello, F., Keter, A. K., Barnabas, R., Heerden, A. V.	Acceptability of an mHealth Conversational Agent Designed to Support HIV Self-testing in South Africa: Cross-sectional Study	Journal of Medical Internet Research	2022	24	12		HIV test, 14, Nolwaz Jot, martąbno, acute HIV infection, adult, article, controlled study, conversation, counselor, cross- sectional study, fimale, human, fimana mideciony, wajor clinical study infection, major clinical study and, midda egać pliot study, pre-exposure prophylasii, greagen finasility, safi-testing, socideocnomic background, South Africa	(21/12), 17:53) of the participants: who underwert an IVV self-test guided by the chatbot tested positive. Most participants (95/12), 72:53) calculated hat the rith Vesting experience with a chatbot was much better than that with a human counselow. Many participants (19/12), 77:53) reported that the (Pdt as if they were tailong to a real person, stating that the response toos and word choice of Nowiza. Jost creating them of Now they peak in daily conversions. Conclusions: The study provides insights into the potential of digital technology interventions to support HIVST in low-income and middle-income countries. Although we with to see the full benefits of mobile health, technological interventions including conversational agents or chatbots provide us with an excellent opportunity to improve HIVST by addressing the barriers associated with clinic-based HIV testing.		http://www.embate.com/sexrd/results?ublastion wiewrocontikiet.201255/9384/com-export, http://dx.doi.org/10.2156/35816
	The Lise of Ontabots as Supportive Agents for People Seeking Help with Substance Lise Disorder: A Systematic Review	European Addiction Research	2022	28	6	i 405-418	abuse, atochoi consumption, Actochoi Lue Diuroters a Udentification Test, alcohoisten, artificai intelligence, big data, clinicai evaluation, cognitive behaviora (Interapy, convalescence, coping behaviora; corronavirus diaesae 2019, data base, depression, digital technology, drug dependence, feedback system, fenalis, follow up, Generalized Anxiety Disorder- haviora, nale, markup language, metal heahth,	Introduction: The use of chattos in healthcare is an area of study receiving increased academic intervet. As the knowledge base grows, the granulary in the level of neartsh is being reflect. There is now more trapted work in specific areas of healthcare, for example, chattos for anxiety and depression, cancer care, and pregnancy support. The aim of this paper is to systematically relevan and summarize the research conducted on the use of houtbos in the field a disclon, specifically the use of chattos is supportive agents for those who suffer from a substance use disorder (SUM). Methods: A systematic search of scheduring "Sinsure 70". Schedure 70: The short 70: Short 7	10.1159/00052599	https://www.embare.com/exert0/reuti12/ubation everweenddik-1201711136/mme.export, http://dx.doi.org/10.1159/000525959
Alfaya-	Can a voice assistant help bystanders save lives? A feesibility pilot study chatbot in beta version chat sasist OHCA bystanders	American Journal of Emergency Medicine	2022	61		169-174	effect (psychology), consciousness, deep learning, emergency health service, graduate, heart arrest, human, layperson, learning algorithm, long term care, machine learning, out of hospital cardiac arrest, pilot study, quasi experimental study, reussitation,	university graduates and university students naive in basis (IIe support participated in this quasi-experimental simulation piles Initial. A version best chatbot was designed to guide potential bipstanders who need helps in carring for cardiac arrest victims. Through a Question-Answering (Q&A) Nowchart, the chatbot uses Voice Recognition Techniques to transform the user's audio into text. After the transformation, in generates the answers to provide the necessary help through machine and deep learning	10.1016/j.ajem 2022.09.013	http://www.embauc.com/seard/result/situation www.emcotdki-to201519525kfmene.eport, http://dx.doi.org/10.1016/j.ajem.2022.09.013
C. Outeiral, Deane, C. M.	Codon Inguage meheddings provide strong signals for protein engineering		2022		(Outeira I C., carlos@ outeiral. net; Deane stats.cx., ac.uk) Depart ment of Statistic. S, Universi V, S, Universi V, S, Universi S, Z4-29 St Giles', Oxford, United Kingdo m		deep learning, embedding, genetic transcription, human, human experiment, language, machine learning, melting	Protein representations from deep language models have yielded tatte-of-the-art performance across many tasks in computational protein engineering. In recent years, progress have yielded tatte-of-the-art performance across many tasks in capacites supposing the size of the very datasets they were trained on. Here, we propose an alternative direction. We show that lung language models trained on cooks instead of anima data dataset, and the size and the size of	10.1101/2022.12.15.519894	http://www.embaue.com/seard/result/s?ubation wewrecordski-u2224587.84forme.export, http://dx.doi.org/10.1101/2022.12.15.519894
	NLP-based platform as a service: a brief review	Journal of Big Data	2022	9	1		Big data. Choud computing. Natural language processing	Natural language processing (NUP) refers to the field of study that focuses on the interactions between human language and computer. It has neverity gained much attention for analyzing toman language constability and how sered its agalactions for various tasks such as machine translation, information extraction, summarization, question answering, and others. With the readge rowth of doct compating services, merging NLP in the doub as significant benefit. It allows research to scottact NLP related experiments on large amounts of data handled by big data techniques while harnessing the cloud's vast, one-demand compating power, Howerer, It has not sufficiently spread its tools and applications as a service in the cloud and there is little iterature available that discusses the scope of interdisciplinary work. NLP, cloud Computing, which also dotted the set of the test approxement. This paper presents a survey of NLP in focus compating base. Howere, That has not sufficiently spread its tables tools and spread tools are predicated by the data to data handled by Da db gi data while methanism and mechanisms of clouds based NLP services, challenges of INLP is presented by discussing different levels of NLP and components of natural language generation (ICL), followed by the applications of NLP. In the second part, the concept of doub clouds based NLP services, in the third part, the field of gias in the cloud since while methanisms on NLP. Technetmore, information extraction values techniques within bg data is introduced. @ 2022, The Author(5).		http://www.scopp.com/invest/record.ur/Neid-2 20-53120939222dei=10.1186/k2140637-022- 00603- 58patruerl-0-60mds-3819k26fcc025s4df482df3 12774a59e
Dhingra, L. S., Misra, V.,		Scientific Reports	2022	12	1		epidemiology, female, global health, huran, machine learning, male, natural language processing, pandemic, COVID-19, Diarlormation, Humans, Pandemics	The COUN-19 pandemic has revealed the power of internet disinformation in influencing global health. The delaye of leverage machine learning for delivering the right information while constantly learning mainformation trends and deliver these effectively in mencular languages in order to combat the information while constantly learning mainformation trends and deliver applications. WashNero, is a multi-promped intervention that uses conversational Artificial Intelligence (A), machine translation, and natural language processing to combat minimformation (NIV). WashNero uses A1 to provide accurate larger processing to combat minimformation (NIV). WashNero uses A1 to provide accurate larger against WIO recommendations and delivered in an understandable format in local language. The primary aim of this study was to asses the user of neural models for test summarization and machine learning of delivering WIO machine translation, and indurual language to fuely mainter test. The WIO recommendation and delivered in the mainter language in the study was to asses the user (S). State was entitive sugged users. On grady shows that 3 at the more female engaged with the App in Information target or in majore and a Antoine's toget shows and washine learning of the constant part of the antonic mainter and the study and thather. 'Stay' in market shows and a constant and a constant the application delivering with mass the application and the study shows that 3 at the undificus and machine learning in Information translate to mainter and thather. 'Stay' in market and that and the start of the start and that a machine learning and the particulal approach to mitigate health misinformation. C 2022, The Author(s).	10.1038/441598-021-03869-6	http://www.scopu.com/invaid/record.utr/leid=2 216.95120921721640-10.10385/2141358-021- 03869- 68patneril-04.08.md5=604d1736e608d205703317 49b18b174e
	Mental healthcare chatbot based on natural language processing and deep learning approaches: Ted the therapist	International Journal of Information Technology (Singapore)	2022	14	7	3757- 3766	Deep learning, Mental health,	Attential devotors is deliberated to be the top outsor of threat bard with bioshilling (HD) with our 25% of the population Breteld. Network, there is a bloring and mutch handlinces provides and gradisational to mange the haps population. Due to the astronehy low number of metal healthcare provides available, one-or-one interaction with all the patients is not possible, which affects their treatment process. This effects avery photometry there is a need for Al (Artificial Intelligence) behaviour and lead to the death of the patients in some case. Therefore, there is a need for Al (Artificial Intelligence) techniques that helps to solve this issue. In this paper, we project and leads that called "Treat" to assist popele with mental health-related queries with the help of natural language processing and deep learning approaches. The user message is learninative and processed in this step for we program and web patients in one data that is the strengt. The user message is learninative and processed in this step for we processed and the strengt. The outpoint, the question category, an Artificial Neural Network with Softmax is used. This chatbot will allow the users to interact, use natural language to bake input, and generate heappropriate response according to the input. The schedure of our proposed providing the appropriate response. In addition to this, "Tref" will help the patients who are reluctant to speak and get tidypeeth's lustilistic of Computer Applications and Management.	10.1007/s41870-022-00999-6	https://www.soppa.com/mural/texoful/texoful/texo/ 20.4531312951860=10.1007%2/44870-022 00996- 68patruer/0-048md5-7000077747/220460425ce1 f5149387

Y. Park, Shin, Y.	A Block-Based Interactive Programming Environment for	Applied Sciences (Switzerland)	2022	12	24	I.	K-12 education, large-scale training, natural language processing, Scratch, Tooee	The existing block-based machine learning educational environments have a drawback in that they do not support model training based on large-scale data. This makes it difficult for young students to learn the importance of large amounts of data when creating machine learning models in this paper, we present a novel programming environment in which students can easily train machine learning models based on large-scale data using a block-based programming language. We redden the	10.3390/app122413008	https://www.scopus.com/inward/record.uri?eid=2- s2.0- 85144907043&doi=10.3390%2fapp122413008&pa rinerID=40&md5=80c3930628947fe3e80f2e313179
	Large-Scale Machine Learning Education							Caser years manners enrich proceedings of the standard and a stand		elos
	conversitional agents in periods centered care: a review of apps	ng Dagtal Mediane	2022	5	1		language processing systems, Search engine, Chattoth, Context of use, Conversational agents, Evaluation framework, Google Joyk, Language processing, anguages, Processing capability, Quality healthcare, Application programs, geographic distribution, health education, human, machine learning, medical information, metan health, mobile application, natural indeguage processing, patient care, patient document, guatem targuage the second second metantic and the second second care, patient document, patient care, pati	exidence on how size heathbodies are developed and applied in practice. Our review of heathbodies aims to classify speed healtbodie, context of use, and their attantal language processing capabilities. Eligible pags were took table for free downlaad through healtbodie, context of use, and their attantal language processing capabilities. Eligible, and were available for free downlaad through healtbodie context based conversational agent, available in Frigible, and were available for free downlaad through healtbodie context based conversational agent, available in Frigible, and were available of a freely based conversational agent, available in Frigible, and were available of a method of the site of their site. The review suggest supple across 31 low- and high-income countries. Noti healthbodies a patient-fracing, available on a mobile interface and provide a range of functions including health education and counseling support, assessment of amptoms, and assistance with tasks and a scheduling, and 10 (12 25%) organized with health health health organy car and methal health, only (0 273%), and a schedule of a mobile of the site of theat of the site of the	10.1038/v41746-022-00560-6	http://www.soppac.com/inwat/record un7kie/5- 20-54325272318.doi:10.1038/02141746-022- 00560- 68patrune10-608.md5-1c166e8b2233669223a2a72 06ff9bb7
yakul, Naorungroj, S., Pupong, K.,	Using a Onthot as an Alternative Approach for Im- Person Toothhvuhng Training During the COUD-13 Pandemic Comparative Study	Medical Internet	2022	24	10		article, caregiver, child, clinical effectiveness, controlled study, coronavirus disease 2019, female, human, infant, major clinical study, male, mouth hygiene, pandemic, preschool child, randomized controlled trial	Biadground: It is recommended that caregives receive crait health education and is person training to improve toothbruining for young children. To strengthm crait healt the ducation before (COVI-39, the 21-bay Fundee chaltow thin is person toothbruining training for caregives was used. During the pandemic, practical experience was difficult to implement. Therefore, the 30-30 per hubble chaltow careates to extend to exceent the coverage of chaltows from 21 days to 30 days by 2 antibilities. Therefore, the 30-30 per hubble chaltow careates to extend to exceent the coverage of chaltows from 21 days to 30 days by 2 antibilities of the strengthment. Hubble coverage the strengthment of the streng	10.2196/39218	http://www.embace.com/serie//result/2%batton /ewweerodfiki-to220560128/cmmesport, http://dx.doi.org/10.2156/93218
M. Primé Tous, Anmella, G., Segú, X., Fernández Canseco, M. D. R., Carrino, C., Villegas, M., Vicens, V., Blanch, J., Cavero, M., Vieta, E., Hidalgo- Mazzei, D.	health workers with mental health symptoms related to the	European Psychiatry	2022	65		\$575		Introduction: The COVID-19 pandemic has caused a significant impact on the mental health or cleanly workers that has brought many hospitals to bunch immediate preventive mental health programs. Objectives: (11) To staget and enhance a smartphore app (MSST COMp) to staget the staget of the staget and the staget of the sta	10.1192/j.eurpsy.2022.1474	http://www.embac.com/seat/seat/seat/seat/seat/ -viewrecord8id=L53685598/rom-seport, http://dx.doi.org/10.1192/j.eurpsy2002.1474
W. G., Susiarno, H.,	Development of a Chatbot for Pregnant Women on a Posyandu Application in Indonesia: From Qualitative Approach to Decision Tree Method	Informatics	2022	9	4			With the widespread application of digital healthcare, mobile health (initealth) services are also developing in maternal and child health, primarily through community based services, such as Popularia in indonesia. Patients need media for comulation and decision-mailed with leadth workers are constrained in responding sackly. With a most of additional information from preparate workers and molecules in developing a decision tree model as material for building a service situation and the additional for the an updated regulation. The approach work is a service service service service service service services and the preparate services. A service service is a service service service service service service services and the service service services. A service service service service service service service services and the service services and the service services service service service service services and the service service services and the service service service service service services and the service service services and the service service service service services and the service service services and the service of service on the need of ourse, services, and health noncriticing. The activators remeatives an again for homes them based based on the need of ourse, evidence, and explaining the service service service service services and the provided with non-activation domination with neithers. Building the tree services remeative service services are service the provided with non-activativated communities in the method services and the provided with non-activativation maternal health and moliforing, where service services services are service services and the service service services and the service services and the service service services and thealth services and the service services and thealth services	10.3390/informatics9040088	https://www.scopus.com/inward/record.uni?eide-2- 2.2. 2.2. 2.3. 2.3. 2.3. 2.3. 2.3. 2
N. Qamar	INTELLIGENCE IN HUMAN RESOURCE DECISION MAKING PROCESSES	Pharmaceutical Negative Results	2022	13		6393- 6399	commercial phenomena, decision making, decision support system, human, interview, skill, software	The modern business technology is changing the way we operate and function in earlier days. This applies to every department in the company and turnan Resources are no exception. This paper gives an ingigit in ob baset H agroportexis that is productive in an organization which minimizes the work load in less amount of time. With the help of AI human brain logical thinking is programmed in AI based software such as Grandle, IRIOne, Darwinkon, Faradou, Hammin, Seekoud, etc. which makes the work of an H degramment easier and none efficient in less a part of time. Further and the make start AI based application is discussed such as Chattors, Voice assistants, etc. AI degloyment is done in five ways such as Start, Decide, disentify, implement and Roll out. Benefits of AI is also discussed in detail. The main goal of this paper is to know the importance of AI in RR based policy.		http://www.embase.com/esarch/results?abaction =wierwecord&lat202255702#comexeport. http://dx.doi.org/10.47750/pmr.2022.13.507.777
N. Rebelo, Sanders, L. Li, K., Chow, J. C. L.	Treatment	JMIR Form Res	2022	6	12	e39443	therapy, chatbot, communication, diagnosis, health care, internet of things, machine learning, medical physics, radiation oncology,	BACKGROUND: In knowledge transfer for educational purposes, most cancer hospital or center websites have existing information on cancer health. However, such information is subusy in list of topics that an enther interactive nor custameter offer any personal touches to people facing dire health crisis and to attempt to understand the concerns of the user. Pattents with cancer, their facilitations, and the general public accessing the information or subern in challenging, stressist siluations, swarting to access accurate information as subtract situations, there is seldon any comprehensive information septically on acciditory, degret the large number of older patients with cancer, their facilitations, and the general and access accurate information as efficiently as possible. In addition, there is seldon any comprehensive information specifically on aciditory, degret the large number of older patients with cancer, their facilitation with good will and encourgement would hep patients with cancer. This chaltow accered using the lifeting pandemic. OBJECTIVE: This study created a novel kriting is study. In the abacter of any similar software, Enrick chart our sets in acceled using the lifeting and plan equipredimensity and accurately in the abacter of any similar software. This chartow accered and using the lifeting and plan excess dry the general plantic. IEENTIGOS The adalation treatment process in a cancer boots and plant entitication, and treatment delivery. The bow was created using the lifeting, patient study and plant entitication and treatment delivery. The bow was created using the lifeting, relever shows and manying using. Wattown there also entiticates. It is capable to any data entitication and treatment delivery. The bow was created using the lifeting, level entitication reatment plantics. The entiticate lifeting data cancer entities and plant entitication and reatment delivery. The bow was created using the lifeting lifeting lifeting lifeting lifeting lifeting lifeting lifeting lifeting	10.2196/39443	

J.C.L 8.	Process in a Radiotherago Uang an Artificial Intelligence-Assi Artificial Development Study	JMR Formative Research	2022	6	12	1719-	therapy, chatbot, communication, diagnois, health care, internet of things, machine learning, medical physics, radiation nocology, radiation treatment process, radiotherapy chain		10.2196/39443	http://www.scopus.com/inward/record.urf?eid=2- s1-0- 8516557002660i=10.21968/21948488.partnerIb=4 0&md5=965d694ce80b2da5bc1086e81a6ab537
Wicaksana, A.	LITE AND ROBERTA IN TEXT MINING FOR INDONESIAN LANGUAGE QUESTION ANSWERING APPLICATION	Journal of Innovative Computing, Information and Control					Question answering, RoBERTa, SQuAD, Text mining, TyDi QA, Application programs, Data mining, Multimedia systems, Chabtots, Fine tuning, Indonesian languages, Informatics, Text-mining, Web services	Multimedia Nuanitara. Jacob is currently designed to be able to do question answering and text mining online in real time for the English Janguage This Study aims to fild the best model for question answering and text mining for the indonesian language and integrated with Jacob as proof of concept. The pre-trained models of IndoBERT itean R ROEBTR are studied and implemented as a web service. The work includes pre-training and fine-turing the two models with Tiyl OL and Indonesian translated SQLAD datasets. The gap is to find a model that gives answers in the Indonesian language with the highest accuracy and F-score value. The text and evaluation results indicate that the Indober-Hie-taged outperforms the rest for Indonesian question answering and text mining applications. © 2022, ICC International. All rights reserved.		220- 83106445838doi-10.24507%2/ljijoi:18.06.17198 partneriti=408md5=d315de5ceb01b1bccd6500/e5 236692
R. Riedl	is trust in artificial intelligence systems related to user personality? Review of empirical evidence and future research directions	Electronic Markets	2022	32	4	2021- 2051	Five traits, Machine learning (ML), Personality, Review, Trust, Trust propensity	Artificial Intelligence (Al) refers to technologies which support the execution of tasks normally requiring human intelligence (e.g., stual perception, speech recognition) or decision-making). Examples for Al systems are chitocks, toolks or, a tutonomos webicles, all of which have become an important phenomenon in the economy and society. Determining which Al system to trust and which not to trust is oftical, because such systems carry or tasks autonomosily and influence human-decision making. This growing importance of trust in Al systems this paralleled another trend: the increasing understanding that user personality is related to trust, the roll and existing the accurate and adoption of Al systems. We developed a framework of user personality and trust in Al system in a decision-making context). Based on this framework, user releved the scientific therature. We analyzed # 3 se empirical tasks publication and users in the systems and even the scientific interature. We analyzed # 3 se empirical tasks publication and users in the systems. Indevection, our releva also shows several unexplored research and the site publication and trust in Al systems. However, our relevands bo shows several unexplored research and the site publication and trust in Al systems. However, our relevands bo shows several unexplored research and the site publication france belong belong and bruic design trustems the advector of and systems. Based on there indegrees web developments for future research, including alaptive systems as facus of future design science research. B 2222, The Author(s).	10.1007/s12525-022-00594-4	http://www.scoptac.com/invard/record.ur/Reid-2 210-554254315666610-10.007%151255-022- 00594- 48.partner10-208.md5-3b/596aa4e009/020795259 05d126566
Kastanakis, M. N., Giovanis, A., Konstantoula ki, K.,	"How mAy I help you today?" Huse of AI chatbots in small family businesses and the moderating role of customer affective commitment		2022	153			Anthropomorphism, Customer affective commitment, Customer experience, Customer satisfaction, Small family business	In a digitally empowered business word, a growing number of family businesses are leveraging the use of chattocts is used tatempt to improve contomer experience. This research investigate the antecedent's of chattocts is used table use in small family businesses. Subsequently, we determine the effect of two distinctive sets of human-machine communication factors—functional and humanicid—outcomer experience. We assess the latter with respect to its effect on customer satisfaction. While a form of intimate attachment can occur between customers and small businesses, affective commitment is prevalent in customers' attatuées and occur be conficting with the distant and impression lature of chattos services. Therefore, we also test the moderating role of customers' affective commitment in the relationship between customer experience and customer satisfaction. Data come from 40 respondents, and the relation of the single customer experience and customer satisfaction. Data come from 40 respondents, and the relation of the anaptic customer data factor to effectively embed chattoot services in their customer communication. The study provides practical and theoretical insights that stupulate the dimensions of chatbots' effective use in the context of small family businesses. 0 context of the sources of the distance of the sources of the sources. 0 context of the sources of the distance of the sources of the sources. 0 context of the sources of the source is not the context of small family businesses. 0 context of the sources of the sources of the sources of small family businesses. 0 context of the source is not the context of small family businesses. 0 context of the sources of the board of the source of the sources of small family businesses. 0 context of the sources of the sources of the source of the sources of small family businesses. 0 context of the sources of the source of the sources of the	10.1016/j.jbusres.2022.08.035	http://www.scopuc.com/inward/record.ur/Teid=2- 2-0- 8513708302.8doi=10.1016428/j.buret=2022.08.0 35&partent=D-080md5=edfes102c433c1920657a9 99662dc895
Arrastia, Martinez- Ortigosa, A., Ruiz- Gonzalez, C., Ropero- Padilla, C.,	final-year nursing students of using a	nursing management	2022	30		3884	care delivery, human, nursing student, problem solving, qualitative research	Alls: The sim of this study is to explore the experiences and perceptions of final-year running students on the acceptability and feasibility of using a characteristic explores and the explorement states, BACRORNOT: The effective and inclusive use of new technologies such as conversational agents or chatobs could support nurses in increasing endence-based care and decreasing low-quility services. METHODS A descriptive qualitative study was used for non-point previews. The data analysis was conducted using a thematic analysis. BE2UIST: This study includes 114 participants. After our data analysis, two main themes emerges. (I) experiences in the use of a chatobs trevies for drivinal decision-making and and (i) imegating conversational agents into the explanational safety culture. CDR-LUSSEN: The indings of our study provide preliminary support for the acceptability and feasibility disades a chatobs for discinded decision-making and and gateris afsety. Our treads revealed subcarratic study and and quality and study and the study and the study and the study provide preliminary support for the acceptability and feasibility address a study and the study and the study and treads tareability and quality all quality. Bis Selfed as a address of calculations and and and quality and quality and patient safety. Constructions and and and the problem-solving resolution, innovative staffing and nursing care delivery models at the bedside and criteria for measuring and ensure quality and patient safety.		http://www.embase.com/serie//seut/2rubation eleverecordial-Ex7515346from-egord, http://dx.doi.org/10.1111/jonn.13630
B., Chenthamar akshan, V., Padhi, I.,	Large-scale chemical language representations capture capture molecular structure and properties	NATURE MACHINE INTELLIGENCE	2022	4	12	1		Large language models have recently emerged with extraordinary capabilities, and these methods can be applied to model other kinds of sequences, such a string representations of molecules. Ross and calesques have created at maniforme-based model, trained on a large dataset of molecules, which provides good results on property prediction tasks. Models based on matchine larging can enable accurate and fast molecular property predictions, which is of interest in drag discovery and material alegin. Various supervised machine learning models have demonstrated promising performance, but the vast chemical space and the limited availability of property labels make supervised learning challenging. Recently, supervised transformer- based almuquage models pertained on a large unlabelied corpus have produced state-of-the-art results in many downstream natural language processing tasks. Impired by this development, we present molecular methodings. This model employs a linear attention mechanism, coupled with highly distributed training. ONLISS sequences of 1.1 billion unlabeled medicular from the PubChem and ZNIC datasets. We show that the learned molecular representation outperform competitively on two others. Traither analyses, specifically through the lear of attention, datasets. They perform competitively on two others. Traither analyses, specifically through the lear of attention, datasets in provide encouraging evidence that large-scale molecular language models on assessing and and attration, datasets. They perform competitively on two others. Traither analyses, specifically through the lear of attention, ensities of attention, demonstrate the MAUTOmer traited on chemical SAUTIS indeel earns the state in attention, between atoms within a molecular traiter in the attention, demonstrate that there is a later into a strate and attention, demonstrate the MAUTOmer traiter on chemical SAUTIS indeel earns the state into attention, demonstrate the MAUTOmer traiter on chemical SAUTIS indeel earns the gatal relationships betwe	10.1038/s42256-022-00580-7	
V., Kalyan,		Front Big Data	2022	5			natural language generation, process howelvege, safety, commercial or financial relationships that could be construed as a potential, conflict of interest.	Virtual Mental Health Assistants (MMHA) are utilized in health care to provide patient services such as courseling and specialized diricial process knowledge (Proticove) used to obtain diricial diagnoses, in this work, we define Proticove as an ordered set of information that mays to exidence based updefines or tategroids of conceptual understanding to expert is a domain. We also introduce a new dataset of diagnostic conversatione guided by safety constraints and Proticove tas the Balthcare professionas use (Proticove) used and an existing and the set of the soft and the set of the soft and domain. We also introduce a new dataset of diagnostic conversatione guided by safety constraints and Proticove tas the Balthcare professionas use (Proticove data). We develop a method for natural language questics (IA) on this distase. Protocove age, IA concountal language, the constraints in developme and the collect diagnostic information from the patient interactively (Proticova-age). We demonstrate the limitations of uning state-of-the-art targe-cale language models (UA) on this distase. Protokova-age) components the process knowledge through explicitly modeling states, view experiments in designing explanation metrics that test foor properties states (Protokov-data). We development of the soft targe-cale language models (UA) on this distase. Protokova-age incorporations test of distrations set and model capture for explanability with Protokova-age experisions to preserve distribution semantic-based similarity to the ground rath. Multi with Protokova-age experisions question din a dathere to clinical process knowledge in Protokov- dia (tested property: knowledge capture. The explanability of the generated question is assessed by computing similarity with concepts in depresent and anxiety howledge bases. Overall in integretive of the type of UA, Protokov-age aution and awargad 22% improvement over simple pre-trained UAs on anality, explanability, available upon acceptance. For producbility, we will make Pro	10.3389/fdata.2022.1056728	
M. Rukhiran, Phaokla, N., Netinant, P.	Environmental	Sustainability (Switzerland)	2022	14	23		information, evaluation usage, internet of educational things, smart school, software development, unified theory of acceptance and use of technology, carbon monoxide, education, health and safety, numerical model, student, sustainability	The internet of Educational Things (LGT) equips chattots with neal-time environmental information monitoring to prevent student and instructor absences and sleggeard theric health individual behavioral instruction toward a chattotic service is essential for better understanding the user's experience and acceptance of monitoring environmental elements such as PM25_5. Emperature, humidy, and crahom monoxide. This study almos to polyn ain integration of an extended framework for smart schools developing an environmental information thatbs service (ENICS) and various user's continued behavioral intertions toward the chattos system hased on the unified theory of acceptance and use of technology model to support health and safety in universities. The proposed framework design can incorporate internet of Things architecture to develop and utilize the databits services. The key realist of the partial least square test targely auport the valid software. Facilitating conditions, health and significant effects of GLT, performance expectation, effort expectation, social influence, facilitating conditions, health and safety, behavioral interioris, and use behavior on personal environmental information durbud utilizations. The study's finding deal with battes design for environmental system development and understanding the factors influencing an individual's interton to continue sing a chatto's trends for lease for expectations, with low-cost information facilities in safe environmental sustanability. © 2022 by the authors.	10.3390/ku142315621	https://www.scopus.com/inward/record.uri?eid-2- 2-0- 85148250008doi=10.3390%2f/sul.423155218.part nert0=408md5=9699a8d79e346e83e70d/ab6d569 19f
Ciarlo, A., Ponticorvo, S., Di Salle, F., Tedeschi,	human listeners with deep	Scientific Reports	2022	12	3		comprehension, deep learning, functional magnetic resonance imaging, human, human experiment, middle temporal gyrus, narrative, natural language processing, obsterior cingulate, prediction error, prefrontal cortex, brain, brain mapping, diagnostic imaging, nuclear magnetic	Deep learning (DL) approaches may also inform the analysis of human kninn activity, Here, a state-of-art DL too for natural language prostavity. The Generative Per-trained Trainsforme version 2 (GPT-2), is abone to generate meaningful neural encodings in functional MBI during narrative listening. Linguistic features of word unpredictability (surgrisul) and contextual importance (salence) were derived from the GPT-2 applied to the text of a 12-min narrative. Segments of variable duration (from 15 90 3) defined the cortext for the next word, resulting in different sets of neural predictions roots from the artificial networks (second in 2) Patholity listenes of the narrative. GPT-2 applied to the text of a 12-min narrative. Segments of the artificial networks significantly explained the neural data in superior and middle temporal gril (blaterally), in a netroir and posterior ongulate cortex, and in the lart prefrontal cortex. GPT 2 salipsics, veglinge model liste the GPT-2 angles to the used of 12 solitors of the cortext words, significantly explained processes subserving language comprehension in humans, including next-word context-related prediction. © 2022, The Author(s).	10.1038/541598-022-21782-4	http://www.scopac.com/imwar/record.ur/Peid-2- 210-2514003626640-10.03854021401558-022- 21782- 21782- 21782- 21782- 21782- 21782- 21845-2010-2010-2010-2010-2010-2010-2010-201

Jodehl,	Use of Instant Messaging Software in a	International Journal of Environmental	2022	19	19			Internationally, evidence exists that physicians use instant messaging services for communication tasks in everyday clinical practice However, there are only few data on physicians in Germany in this regard. Therefore, at the initiation of our project "DocTak-Dialog mess Chattor Collaborative Learning and Teaching in the Process of Work", we conducted a stakeholder	10.3390/ijerph191912618	https://www.embase.com/search/results?subaction =viewrecord&id=12019558367&from=export, http://dx.doi.org/10.3390/ijerph191912618
Kickhöfel, R., Linke, D., Müller-Birn, C., Rose, M.	German Hospital—An Exploratory Investigation among Physicians	Research and Public Health					Germany, human, human experiment, Likert scale, medical practice, patient satisfaction, physician, privacy, questionnaire, social media, text messaging, thematic analysis, videoconferencing	survey with an exploratory research approach. The aim was to gain initial insights into use of instant messaging software and attributes toward data security and advantages and disadvantages before implementing a data-secure house messaging platform. In 7.0 physicians at Clarift-Universitätsmedia iberlin completed an exploratory questionnaire with closed and open- ended questions. Clarift-Universitätsmedia use and explorative statistics and qualitative data suing thematic analysis. The use of messages for thware was not widespread in the sample studied. Physicians most frequently used face-to-face contact for communication. To service you are studied and the sample studied. Physicians most frequently used face-to-face contact for communication. To service you are also been appressed on the physicians most frequently used face-to-face contact for communication. To service you are studied and the sample studied. Physicians most frequently used face-to-face contact for communication. To service you are also being the day may and an optic clarge, to same mixed advantages such as fact and uncomplicated communication were also highlighted. An instant messager solution that complies with the German data protection guidelines is needed and should be investigated in more detail.		
Aygun, R., Boardman, J., Don, D. P. R., Zhang, Y., Franks, B.,	Quantification and Mitigation of Directional Pairwise Class Confusion Bias in a Chatbot Intent Classification Model	International Journal of Semantic Computing	2022	16	4	497-520	directional pairwise class confusion bias, intent classification, Natural Language Processing, Artificial intelligence, Classification models, Language processing, Model bias, Natural language processing applications,	Currently, Natural Language Processing (NLP) applications like chattost are very close to minick human response. This has been achieved via powerful and sophicited models like illiciticania Encoder Regressmantanos from Transformers (BET). Although, the capabilities that such models offer are superior to the technologies that preceded 11, these models still posses bias. BETF or similar models are mostly trained on test corpora the divise in important ways from the test encountered by a chattoc in a problem-specific context. Past research on NLP bias has heaving focused on mesuring and mitigating bias with respect to protected arthoutes (itereoring) like gender, race, exclusively, etc.) but the exploration of model bias with respect classification labels remained yet to be explored. We investigate how a classification model hugely forons one class with respect to another. In this paper, vee propose a bias evaluation technologic called directional pharine das as ontigotas of the context context and the second called and the company.	10.1142/51793351X22500040	https://www.scopu.com/inverd/record.ur/Teld=2- 2.0- 83361240684doi=10.1142%2/5179335132225000 408.partnert—0.408.md5=ac63338144e63a07d55d9 6bcb1/57b55
M., Xie, W., Lam, K. Y.,	Artificial	JMR Hum Factors	2022	9	4	: e38799	artificial intelligence, digital health, eletath, health app: mitealth, mental fields, mental health mental health, mental ensith, care, mental liness, mobile health, public options, public trust, term, theme, topic trust, term, term, term, term, term, term, trust, term	BACKGROUND: Metal disorders (MD3) impose heavy burders on health care (HC3 systems and affect a growing number of people workdwick. The use of mobile health (IntelMT) apps personered by artificial intelligence (A) is increasingly being renorted to as a possible solution. OBIECTIVE: This study adopted a topic modeling (TM) approach to investigate the public trust in A paps in metal health care (MHC3 by identifying the dominant topics and threms in sucre releves of the B- most relevant metal health (MH) apps with the largest numbers of relevenex. METHODS: We searched Google Play for the top MH apps with the largest numbers of relevances, from which we selected the mot relevant apps. Schwapertity, we extrained data from user relevance posted from January 1, 2020, (p. April 2, 2022. Alter cleaning the extracted data using the Python text processing tool spGyC, we ascertained the optimal numbers of relevances. The PUDA's visualization of Lineally, and the top 20 MH apps with the largest numbers of relevances relevance apps. Schwaper the public visual in Apps in RMC. RESULTS: From the top 20 MH apps (Metal Healters). Anotec, [6] Brettmerkee, we close the 14 (2004) most relevant apps (11) What. Results (RMC), Results and these capacitations of relevances relevance, we close the 14 (2004) most relevant pape (11) What. Results (RMC), Results (RMC)	10.2196/38799	
Gura, D., Khudyakova,	Chatbot design issues: building intelligence with the Cartesian paradigm	Evolutionary Intelligence	2022	15	4	2351- 2359	of consciousness, Neural networks, Philosophy of consciousness, Botnet, Building intelligences, Chatbots, Design issues, Human like, Human users, Network architecture design, Neural network architecture.	The article discusses the functioning of human-like consciounces and the potential for developing a chatbo based on human- like consciounces. The proposed approach was writefled appendimentally using a solotogical method and by attacting a cohort of student volunteers. The chatbot population was created on the back of our complex neural network architecture design. The volunteers were asked to distertly their intercource, which was better a human agent or a chatbot. For integrity, the conversations between bots and people were organized randomics to the active of the active of the active of the design of the de	10.1007/512065-020-00358-2	http://www.scopa.com/invadr/ecord.ut/feid-2 2.02.908151348/deid=10.10079/k105065-020- 00358- 8.gartner/0-40&md5-077bdebc:80/01.ec005b1f79 914733c
D. Shin	The perception of humanness in conversational journalism: An algorithmic information- processing perspective		2022	24	12	2704	conversational journalism, explanatory cues, perceived humanness, social cues in Al, two-step flow	Now much do anthrogomorphines influence the perception of users about whether they are conversing with a human or an algorithm in a charton tervinoment? We develop a cognitive model using the constructs of anthrogomorphins and explainability to explain user experiences with conversational journalium (C) in the context of databot news. We examine how users perceive anthropomorphic and explanatory cuse, and how these simuli influences user perception of an attudes to beaut C). Anthropomorphic explanatory cuse, and how test simuli influences are seen of humanness, which bacelines to make a program database simulation of the set of the set of the set of humanness, which bacelines to make a program database simulation of the set of the set of the set of the set of humanness, intention to interact with chattors. We develop practical implications release to thatbots and acertain the significance of humanness as a a scotta of the control of the set of th	10.1177/1461444821993801	http://www.scopu.com/inved/record.ur/Teid=2- 20- 85102347984doi=10.1177%zf1461448219380 18partneri0=408md5=6Hdxi64e811e2acOcd488 33a3C06fb
	A longitudinal study of human-chatbot relationships	International Journal of Human Computer Studies	2022	168			Social chatbots, Social penetration theory, Chatbots, Formation process, Human-chatbot relationship, Longitudinal study, Penetration theory, Social chatbot, Substantial variations, Uncertainty	Social chubchs have become more advanced, paving the way for human-chaltot relationships (PCS), Although this optenmenon has already received some reservit attention, the results have been constrainting, and there is uncertainty regarding how to understand HCR formation. To provide the needed knowledge on this phenomenon, we conducted a qualitative longitudini attudy. We interviewed 25 participants one 12-week previous that the HCR formation with the popular chattable Replica. We found that the HCRs formed gradually and mostly in line with the assumptions of Social Potentiation. They found that the needed actionategie substantial variation and nunce in the HCR formation process, gaus variation in the onset of cell-disclosure and in the subsequent relationship formation. The results show that importand charge grading the relationship toward attachment and perceived charges appart to Be Registry shally to participate in a variatry of interactions, as well as to support note desyclifs human needs related to social contact and self- reflection. In contrast, unpredictable events and technical difficulties could index relationship formation and the discuss the appropriateness of using a theoretical framework developed for human-human relationships when imestigating HCRs, and we suggest directions for future research. B 2022 The Authors	10.1016/j.ijhcs.2022.102903	https://www.scopus.com/nward/record.uri?eid=2- 2-0- 8533509852.8doi=10.10165/2fi.jifoa.2022.102903 8gartmef0=40&md5=0c81631df6770f8d410du4e2 b26d6330
C. Stokel- Walker	Al bot ChatGPT writes smart essays - should professors worry?	Nature	2022				Computer science, Education, Lab life, Society		10.1038/d41586-022-04397-7	
C. Stokel- Walker		Nature	2022				computer, education, note		10.1038/d41586-022-04397-7	https://www.embase.com/search/results?subaction =viewrecord&id=L2020529889&from=export, http://dx.doi.org/10.1038/d41586-022-04397-7
Adanero, A., Díaz-Flores García, V., Freire, Y.,	Using a Virtual Patient via an Artificial Intelligence Chatbot to Develop Dental Students' Diagnostic Skills	International Journal of Environmental Research and Public Health	2022	19	14		software, article, artificial intelligence, cross-sectional study, dental Student, dentistry, female, human, male, questionnaire, skill, student satisfaction, virtual reality	students perform a greater number of clinical cases, they will improve their performance with patients. In this sense, virtual patients with anticipation interligence offer a controlled, simulating, and alse environment for students. To assess student satisfaction after interaction with an artificially intelligent chattop that recreases a virtual patient, a descriptive cross sectional study was carried out in which a virtual patient was created with anticlial intelligence in the form of a chattop and provide fourth and fifth year denial students. After several weeks interacting with the AI, they were given a survey to find out their assessment. Atola off 133 students participated. A large majority of the students were satisfied with the interaction length atols. The students were possible of the article students and explosible in the componitor of the tothods were contend diagonal students. After genotisely, our areas naggests that the incorporation of the tothods were technological developments.		https://www.embasc.com/sevt//result/Subation wierewcorkii-us/103305438/on-export, http://dx.doi.org/10.3390/ijerph19148735
S. O. Thimmel, Klümpers, V., Nübling, M.	Streigthening the resilience of the blood supply chain by exploiting the advantages of digital information technology	Medicine and	2022	49		74	analysis, drought, human, human tissue, information technology, interview, manager, pandemic, physician, process model, simulation, validation process, vein	Badgeomd: The provision of site and high-quality blood is a great challenge, particularly in times of cruss. It is important that blood estabilishments and you adjusted and timely information, as well as on engressy plans. The automot explore the spotential of digital information technology for crusis intervention and management in blood estabilishments. We chose the South African blood transformation system as a reason cholet as it is well eveloped and has its "rejents in juste that we can built good Methods: First, we conducted interviews with experts from both the blood transformation and cruiss management systems to disclose the system of the syste	10.1159/000525886	http://www.embacc.com/seard/result/srubation www.emcodsid=100413186fmes.port, http://dx.doi.org/10.1159/000525886

Contreras, C., Istenes, B., Astupillo, A., Lecca, L., Ramos, K.,	Using digital chatbots to close gaps in healthcare access during the COVID-19 pandemic		2022	12	4	healthcare utilization, innovation, mental health	NTRODUCTION: Chatbots have emerged as a first link to care in recent years. The COVID-19 pandemic, and consequent health system divergions, expanded their use. Socies fin Salud (SES) introduced databots in fire, which experienced one of the highest exess (XOVID mortalities in the wold. METODOS SES and the government identified nume population hash meds, which could be amenable to virtual interventions. Chatbots were developed to screen individuals for these conditions, we describe the period of deploymer, number of screenings, and number of period peiv hor occived screens. RSULTS: Elevene April 2020 and May 2021, SES deployed nice Chatbots. Four for mental health, two for maternal and child health, and there for chronic disease: breast cancer, hypertension, databets mellitisa, and observed in the screen screen individuals for these and lice to 42,932 people. 99.99% of those offened services. The other Chatbots reached flewer people. Overall, more than 30% of eligible people accepted distributs-based services. DISOSSID: Chatbots was highest for mental health. Databuts may increase controls on these vulnerable population and health services, this is likely dependent on several lactors, including condition, population, and perturbation of any production was highest of understand use experience and perference and perference and perference should be additional points. Four or mental health, Databut may increase controls on betterns vulnerable population and health services, this is likely dependent on several lactors, including condition, population, and perturbation of any point. Since accepted health partice accepted in the several that shutbots lists vulnerable population to appropriate, high-quality care.	10.5588/pha 22.0046	
Bussel, Odekerken-G, J., Ou, C., Swart, R. R., Jacobs, M. J. G.	determinants to accept a virtual assistant and ucc cases among cancer patients: a mixed methods study	Research	2022	22	1	Conversational agents, Healthcare, Patients, Virtual assistants (VAs), artificial intelligence, behavior, human, neoplasm, questionnaire, technology, thereetical model, Humans, intention, Models, Theoretical, Neoplasms, Surveys and Questionnaires	Badground: Technological progress in artificial intelligence has led to the increasing popularity of virtual assistants, i.e., emolide of dismiched conversional agens that allow charing with a technological progress, however, only title comprehensive research is conducted about patients' perceptions and possible applications of virtual assistant in the histories with a specific progress of the specific perception and possible applications of virtual assistant virtual assistant to patients this increased the key acceptance factors and visual-adding use cases of a virtual assistant and patients and the specific perceptions. The unified theory of acceptance factors the first home patients and four dottors of a burt and addine pay institute were conducted to dottermine what acceptance factors the first home; inpatients and four dottors of a burt and the specific perception and the specific perception and use of technology wirtual assistant and gain inspits into value-adding applications. The unified theory of acceptance and use of technology were compared. Results: The interview of nod support for all factors of the UTATL perceptions and process between sample subgroups used to determine the relevance of acceptance factors. Through a multipropog matrykic, differences between sample subgroups scelaris of the UTATL former patients found support for all factors of the UTATL performance expectance. A structural designed with a structure, for expectance, scelaris of the UTATL former patients to a structure structure (E = 0.114, and truct (E = 0.216) goodie questions, treatment procedures, side effects, or scheduling appointments. The quantitative study found that be constructive performance expectance (E = 0.2014, and the expectance) are the leading determinants of virtual assistant intervirtion. Conclusions: Performance and effort expectancy are the leading determinants of virtual assistant care to result in advections of rout indicates the need for a reliable, scare service that should be promoted as such. Socali infl	10.1186/412913-022-08189-7	https://www.scoppa.com/inved/record.utriteid- 21.04513372724646-10.18869/ct1911802/c10118022- 08189- 78patrnetir04&Bmd5-fcf12508f2c42a8094a7c2c5 a35e66d
Verdesoto, Ortiz, M. Y. R., Herrera, R. J. G.	A System for Converting and Recovering Texts Managed as Structured Information	Sci Rep	2022	12	1	Processing, *Language, Data Mining, Databases, Factual	This paper introduces a system that incorporates several strategies based on scientific models of how the brain records and recovers memorics. Whethoologically, an incremental protopium groupcash has been applied to develop a subsactory architecture that can be adapted to any language. A special case is studied and tested regarding the Spanish language. The applications of this proposal are vant because, in general, information such as text way, reports, emails, and we content, among others, is considered unstructured and, hence, the repositories based on SQL database susually do not handle this kind of data correctly and efficiently. The conversion of unstructured textual information to instructured on textual information to instructured textual information to instructured textual information to instructured textual information to instructured textual information to activate of we can be useful in contexts such as Natural Language Generation, Data Mining, and dynamic generation of theories, among others.	10.1038/s41598-022-26304-w	
Abu	Smart Chatbot for User Authentication	Electronics (Switzerland)	2022	11	23	chatbots, machine learning, natural language understanding	Depicte being the most widely used authentication mechanism, password-based authentication is not very secure, being essily guessed or brute forecal. To address this, many systems which expectially use asceruly adopt Multi-Tactora Authentication (MFA), in which multiple different authentication mechanisms are used concurrently. JHRAA (Lucit-Hime human dynamics based authentication englen is a new authentication mechanism which can add antiber option to MFA capabilities. JHRAA observes human behaviour and human dynamics to gather up to date information on the user from which authentication questions can be dynamically generated. This paper propose a system that implements IHRAA, which we call Autoencomes impairy-based authentication O-battor (AAC). AAC uses anomalous events gathered from a user's recent activity to create perionalized guestions for the user to passe, and is deligned to improve its own capabilities over time using neural networks transien do ada gathered during authentication settisms. Due to using the user's recent activity to the authentic user to answer and hard for a fundament to guess, and as the user's recent activity up will be easy for the authentication or submitted will be dynamically generated to replace oil one. We intend to show in this paper that AAC is a vable implementation of JHHOA. © 2022 by the authors.	10.3390/electronics11234016	https://www.scopus.com/nward/record.ur/Teid=2- 2.0- 85143572088.doi:10.3330%2/electronoi:1123401 65partner0-408md5-dtb622aa9e9aef130c61/2bea 581beb75
	New way of Providing Care: the Role of Telemental Health	European Psychiatry	2022	65		conference abstract, coronavirus disease 2019, digital technology, education, health care practice, human, mental disease, mental health, mental health care, mental health service, mental patient, pandemic, prevention, psychiatry, social behavior, social media	Telementah hashih care can be defined at the definery of mental health care services at distance, by using information and communication therebuildings for the exchange of valiar information for dispropsire humanet and prevention of mental illuscuse, as while s for research and education in the field of clinical psychiatry. Whereas the mental health care practice was long. Exclamation (2007 early calencies), and entry prevant the field of clinical psychiatry. Whereas a strain the process of region of the process of region of the process of regions and the regions of the process of regions and the process of regions and the regions of the process of regions and the regions of the process of regions and the regions of	10.1192/j.eurpsy.2022.147	http://www.embac.com/word/read/i7aubation ~iewirecord&id=L53686858&from=export, http://dx.doi.org/10.1132/j.ewphy.2022.147
Wei, J., Sabne, A., Davis, A., Ilbeyi, B., Hechtman,	Overlap Communication with Dependent Computation via Decomposition in Large Deep Learning Models		2022			hiding, Compiler optimization, Large scale machine learning, Convolutional codes, Data transfer, Deep learning, Learning systems, Collective communications, Compiler optimizations, Data- communication, Fine grained, Intra-layer, Large models, Large-scale machine learning, Layer model, Learning models,	Large deep learning models have allown great potential with state-of-the-art results in many tasks. However, numing these large models is quice dialelinging on an accelerator (GPU or TPH) because the on-diver emmory is too limited for the size of these models. Intra-hyer model parallelism is an approach to address the issues by partitioning individual layers or operators across multiple devolutions in a distributed accelerator (Cuter Cuter) the data communications generated by intra-hyer model parallelism can contribute to a significant proportion of the overall execution time and severity hurt the computational directory. At intris-per model parallelism is circulat to enable large deep learning models, this pape proposes a novel more posterior and enables to intra-large deep learning models. The dependence of the overall execution time and severity hurt the computational directory, and theritage model parallelism is circulat to enable large deep learning models. The dependence computation proposed technique, an identified original communication callective is decomposed along with the dependence computation or extends. There grained communication aperations in paralleli, it effectively hides the data transfer latency and advices a better system utilization. Faultation operations in paralleli, it effectively hides the data transfer latency and advices a better system utilization. Faultation of TVU 400 study using different type of large models that have 10 billion to 1 trilling parameters, the proposed technique improves system throughput by 114 - 138. The achieved highest peak FLOS utilization is 72% on 1024 TVU chips with a large language model that has 500 billion parameters. © 2022 Ower/Author.	10.1145/3567955.3367959	https://www.scopu.com/inward/record.utr?eid5-2 2D- 83145592482.8doi-10.1145%215.67955.3567998 partner01-408.md5-053;13566778514704774513a 2d8ad3e
Song, J. H., Lee, J. H., Choi, B.	Interacting with Chatbots: Message type and consumers' control	Journal of Business Research	2022	153		control, Chatbots, Cognitive control, Personalization, Sales assistants	With advances in technology, perionalized services provided by offline salespeople are replaced by new sales assistant methods, such a personalized induction of an induced mobile environment. However, providing conversation-based incommentations may be insufficient to support consumers in online or mobile stores because they cannot experience the product in real-time. A salespesion offlet provides one-to-one customer support in an offlite store, including webhal and visual recommendations. In this context, chattoots, the sales assistants, may better support and online stores including webhal and visual recommendations. In additional real-time visual information. This study aims to determine the contino relations are an information the real mobile sales assistants, and the mechanism by which consumers accept chattoots. The results indicate that a higher level of personalized chattoot message emission by which consumers accept chattoots. The results indicate that a higher level of personalized real-time visual information. The study aims to determine the contino of easies and understanding of the product. Notever, additional real-time visual information (i.e., AR) supports chattoots in acting as successful sales assistants. © 2022 Elsevier Inc.	10.1016/j.jbusres 2022.08.012	https://www.scopu.com/nward/record.ur/Teids-2- 20- 8313853781&doi-10.10106X2fl.jbures.2022.08.0 12&partner/=>0&md5=edds21e0248a5f3b93094d 935ee0f319
Martin, A., White, J. A.	of COVID-19 Chatbots: Scoping Review		2022	24	12	19/epidemiology, Pandemics, Health Service, Covid-19, chatbot, digital health, engagement, global health, health information, pandemic, user experience	pressue. The need for accurate health information has been felt widely. Otablots have griest potential to reach people with authoritative information, and a number of databots have been quickly developed to diseminist information about CUN-19. However, Itilt is is nown about user experiences of and perspectives on these tools. OBICCINC: This study aimed to describe what is known about user experiences and and perspectives on these tools. OBICCINC: This study aimed to describe what is known about user experience and user quicked COVD-19 abhottos. MuRINOS A scoppin ergene was carried out user likely describe the user experience and user quicked COVD-19 abhottos. MuRINOS A scoppin ergene was carried out June 2021 using beyonds to cover the literature concerning chatbots, user engagement, and COVD-19. These sarch strategy included databases: CINAHA, ACM Digital Library, Emeraldy, and EBSCO. Studies that assosed the design, marketing, and user for fastures of CIOVD-19 databases. CINAHA, ACM Digital Library, Emeraldy, and EBSCO. Studies that assossed the design, marketing, and user for alketing on user perspectives, experience, or the general use of chatbot features on related to COVD-19, did not include any reporting on user perspectives, experience, or the general use of chatbot features on ranketing. To where in the epidome source from the literature, and 10 user final concerning and user papers. RSUITS: A total of 13 papers were sourced from the literature, and 10 user final concerning and user executability. The particular data studies investigating user perceptions and opinions on COVID-19 channels COVID-19 information, as well as studies investigating user perceptions and opinions on COVID-19 channels COVID-19 information, and engine engine and specific covid channels in the enditors. COVID-19 channels covid channel were leaged at a napd paper as digital health service adoption acceptions and opinions on COVID-19 channels. COVID-19 channels covid at a napd paper as digital health service adoptio	10.2196/35903	
Bertsch, V.	Corrigendum to: "A natural" language generation approach to support understanding and traceability of multi- dimensional understanding analysis in multi- criteria decision making" (Expert Syst. Appl. 33 (2017) 131–144 ((2017) 83131–144) (10.1016/j.ewa. 2017.04.041))	Expert Systems with Applications	2022	208			The authors regret that the printet e-mail address of David Wulf is not used for scientific communication anymore. We kindy as to remove the anal information of author David Wulf. The authors would like to apologise for any inconvenience caused. © 2022 Elsevier Ltd	10.1016/j.eswa.2022.118322	http://www.scopa.com/nward/record.un?eids-2- 20- 8513273838.doi-10.1010fx3fj.evwa.2022.11832 24partneri0-368.md5-9fbabu054c2ef5241cf04df1 412.adf98

Harada, K., Tanaka, K., Sasaki, S., Inaba, K., Mitaka, H., Takahashi, H., Passanante, A., Lin, L., Lau, E., Wu, J., Naito, T., Larson, H., Kobayashi, T.	Mobile App Chatbot and an Interactive Small Group Webinar on COVID-19 Vaccine Intention and Confidence in Japan: A Randomized Clinical Trial	Open Forum Infectious Directors	2022	9		S158- S159	chatbot, conference abstract, controlled study, demographics, drug safety,	Background. Little is known about how social media platforms can be used to increase COVID-19 vaccine intent. We aimed to investigate the effect of social mediabased interventions on vaccine heatmany in Japan. Methods, We conducted a three-arm randomized controller trial between 5 November 2021 and 3 Japan y2022. Japanese aged 3 or above who had not recreate any COVID-19 vaccine and did not intend to be vaccinated were randomly assigned to one of the following three groups: (i) a control group (with on intervention), (ii) group with if her exhibits in a popular messager age call call budy with the general information on COVID-19 vaccines and (iii) a group with free weblins: where healthcare professionals interactively provided participants with the information on COVID-19 vaccines. The vaccine interaction (i) and there ge-effect vaccines and control group (with call budy) and the control group with free weblins: the vaccine interaction (i) and there ge-effect vaccines and the structure Structure). The provide participants were tables and the structure of the structure and the structure and difference in (i) or Cl between the chart durg organ and the control group (Table 1). Among 366 persons assigned to the webmar group, 201 (53.6%) attended webmars and answere the post-survey. The post-survey researed no addifference in vib between the webmar group. 201 (53.6%) attended webmars and answere the post-survey researed no addifference in vib between the webmar group. 201 (53.6%) attended webmars and any intervention tight is table you (41.6%) webmars in the control group deraways. Under generation the webmar intervention. The structure the effectiveness addition to the webmars in the control group deraways. The structure and the effectiveness addition and the effectiveness significantly increased with the webmar intervention. Interactive webmars with he Q and A provided by profession. Mink has increasing QUO-19 vaccine. Given the degree of vaccine hesitancy worseed ower time in the control group, ti		http://www.embaie.com/keirdi/reiulti?aubaction -viewrcordRid=L64002558Bfrom=export, http://dx.doi.org/10.1093/ofid/ofac492.302
Chen, A.,	A large language model for electronic health records	NPJ Digit Med	2022	5	1	194		There is an increasing interest in developing artificial intelligence (AI) systems to process and interpret electronic health neoxids (ERIR). Natural Inargue processing (NPI) powered by pretrated lengages models the key technology for medical al system utilizing discinal narratives. However, there are few discinal language models, the largest of which trained in the clinical domain is comparatively unail as 110 million parameters (compared with billions of parameters in the general domain). It is not clear how large clinical language models with billions of parameters in the general domain). It is not clear words of the identified clinical total and systematically evaluate to a five clinical NP tasks inducing distant concept extraction, models where the identified clinical total and systematically evaluate to a five clinical NP tasks inducing distant concept extraction, models. We clinical active the identification of the identification of the identified clinical total and a systematical model parameters and the model of the identified clinical total and a system to the identified (e.g., 6 Six and 5 Six more result) is clinical total models and parameters are interpreted in the clinical total	10.1038,441746-022-00742-2	
Chen, A. K., PourNejätan, N., Shin, H. C., Smith, K. E., Parisien, C., Compas, C., Costa, A., B., Flores, M. G., Zhang, Y., Magoc, T., Magoc, T., Harle, C. A., Lipori, G., Mitchell, D. A., Hogan, W., R., Shenkman, E. Bian, J., Wu, Y. H.	electronic health records	MEDICINE	2022	5	1			There is an increasing interest in developing artificial intelligence (A) systems to process and interpret electronic health neoxids (ERIR). Natural Inargue processing (NP) proved by pretrated lengage models the key technologing for medical Al systems utilizing discinal narratives. However, there are few discinal language models, the largest of which trained in the discinal domain is comparatively unail as 110 million parameters (compared with billions of parameters in the general domain). It is not clear how large clinical language models with billions of parameters and heigh medical Al systems stilling unstanced BHs. In this study, we develop for narcatch a large discinal language model factor for-using > 30 billion words of est (Incidial = SA2 billions) words of the identified clinical total; and systematically evaluate it on the clinical NP tasks including clinical concept extraction, NGAU. We examine the Ci () scaling up the number of parameters and (2) scaling up the isso of the training data could banefit these NP tasks. CatorFrom models scale up the clinical language model from 310 million to 59 billion parameters and improve fine clinical language, index scale up the discinal language model from 130 million to 59 billion parameters and improve free clinical NP tasks. GatorFrom models scale up the clinical language model from 130 million to 59 billion parameters and improve free clinical NP tasks. GatorFrom models scale up the clinical language model from 130 million to 59 billion parameters and improve free clinical NP tasks. GatorFrom models scale up the clinical language model from 130 million to 59 billion parameters and improve free clinical NP tasks in the scale scale up the clinical language model from 310 million to 59 billion parameters and improve free clinical NP tasks (e.g., 50 Kard 55%, improvement in accuracy for NLI and MQA), which can be applied to medical Al systems to improve healthcare delivery.		
S. Yu, Zhao, L	Emotions for Health Care Chatbots: Text- Based or Icon- Based Approach	J Med Internet Res	2022	24			Humans, "Text Messaging, Emotions, Delivery of Health Care, behavioral intention, chatbot, design, emotion, emotional intensity, health care, human behavior, icon- based, perception, predict, psychological distance, text- based		10.2196/39573	
C. Zhai, Wibowo, S.	A systematic review on cross- culture, humor and empathy dimensions in conversational chattots: the case of second language acquisition	Helyon	2022	8	12	e12056	Culture, Empathy, Humor, Second language learning, listed immediately below certify that he as NO affiliations with or involvement, in any organization or entity with any financial interest (such as honoraria, educational grants, participation in speakers' bureaus, membership,	The advancement of information and communication technologies has led to an increasing use of conversational chattochs in the learning and teaching sector, specially for the second language (2) acquisition. In the field of sccool language acquisition, the use of AI chattoch has been explored, mainly studying pedgagoial approaches. However, there is a limited study in the development of enginetic startegies for befang with isams? emotional discontinger, the impact of human and the consideration of learners' caltural backgrounds. Thus, this study reviews the ensiting studies on his second language (2) the an an off this study in the solution of learners' caltural backgrounds. Thus, this study reviews the ensiting studies on his second language (2) the an an effective second study in the study in the solution of learners' caltural backgrounds. Thus, this study reviews the ensiting studies on his second language (2) and the study in the solution from 2022 and 2022 of several populari trabbasiss, including learners' learning and the application of 14 calturation for an increase of an analyzed. This study found that three dimensions such as cultural, engathetic and humonous dimensions have a produce infect and a calculate the advancement. This study also found that the development of an AI chatbot in the use of AI L2 calculation has pleasing and (2) and found that the development of an AI chatbot. It 2 ducatatos with include linguaging (2022) and the advancement of the area made for enhanning the use of AI L2 ducatos with include linguaging constructure lenguations of AI L2 ducatatos have handward lenguating or social used lenguage regulation of AI L2 ducatatos have handward lenguaging (2) and lenguage lenguaging (2) and lenguage lenguaging (2) and lenguage lenguaging (2) and lenguage proficiency.	10.1016/j.heliyon 2022.e12056	
	A systematic review on cross- culture, humor and empathy dimensions in conversational chatbots: the case of second language acquisition	HELIYON	2022	8	12		Second language learning, Culture, Empathy, Humor, ENGLISH, AGENT, WILLINGNESS, PERCEPTIONS,	The advancement of information and communication technologies has leto an increasing use of conversational chattochs in the learning and teaching sector, expectially for the second language (22) acquisition. In the field of social diagnage acquisition, the use of AI chattoch has been explored, mainly studying pedgaggical approaches, However, there is a limited study in the development of emparticit strategies for challing with learners' emotional disconful, the impact of human and the consideration of learners' cultural backgrounds. Thus, this study reviews the existing studies on AI second language (12) chattosts to investigate the development of empathecia strategies for enhancing learners' learning outcomes. To activate the advances and a studies from 2022 and 2022 of seeral popular databases, including Web of Science, ProQuest, EEE and ScienceBirot and collected and analyzed. Thats tudy four data three dimensions activation empathecia and humorous dimensions have a positive influence on the application of AI 22 chatbots for enhancing learners' learning outcomes. This study also found that the development of al AI AI20 battosts which incide integrating cross cultural empathecia recommendations are made for enhancing the use of AI 22 obstots which incide integrating cross cultural empathecia.	10.1016/j.beliyon 2022.e12056	
T. Zhang, Feng, C., Chen, H., Xian, J.	customers by AI: Investigating the role of chatbot acting-cute strategies in soothing negative customer emotions	Electronic Markets Ruan Jian Xue	2022	32		2277- 2292 4616-		Although intelligent chatoch tab been widely used in online customer service settings in modern E-business, scholars still have little understanding of the chatoch strategies implemented in product or service failure context. Alming at this pap, this study explored whether, how, and when two chatobit acting cute strategies (i.e. whimsical chatoch strategy and kindchenschema dhatbot strategy could soche megative customer emotions when product or service failure happends. Buy experimental studies, the results demonstrated that both the whimsical chatoch strategy and the indefinenchema (baby stema) chatos trategy could place are pative customer emotions who the metalimanis. In the high product or service failure servity context, the soothing effects of both strategies would weaken, while the kindchenschema chatoch strategy wavelexes less. The whimicial chatoch strategy is subtle for customers with high technology analy. Yhile the kindchenschema failure strategy is subtle for those who have low technology ansiety. The whimacial chatoch strategy was more effective with male customers this with themal customers, while the inidemental-chatoch strategy haves. Filters thermatical and managenial implications were discussed. D 2022, The Author(s), under exclusive licence to institute of Applied informatics at University of change.		https://www.scopp.acom/inward/record un?teid-2- 200596-2004000-000000000000000000000000000000
Huang, X. W., Sang, J.		Bao/Journal of				4643	recommendation system (CRS), human-computer interaction, recommendation system, user modeling, Behavioral research, Human computer interaction, Information filtering, Reinforcement learning, Speech processing, User profile, Conversational recommendation system, Conversational	information or items by estimating their interests and preferences. The maintream traditional recommendation system mainly uses. There are three main problems the unreliable estimation of user preferences based on sparse and noisy historical data, the ignorance of online contextual factors that affect user baselines, and the unrecommendation system in timetaction interfactors and the system focuses on the user's real-line feedback data and obtains the user's current interaction interfactors, domentation data system focuses on the user's real-line feedback data and obtains the user's current interaction interfactors, conversational recommendation on applies and capture user's current preferences based on sparse ways of them provide timely feedback and updates. Thanks to the widespread use of video essistants and chabiton technologies, as wells as the mature application of technologies users in enforcement learning and howeldeng pracing in recommendation strategies, in they constration are constrained and canceus setting the setting and the system setting the setting recommendation sparse. This survey constist tecommendation application and technologies users and extension of the one- station of the conversational recommendation on applice momendation systems. This survey constist recommendation application and incrusing and incrudeng and tactistus user in the conversational recommendation application. This survey constist recommendation application and tracking and recommendation optices. This survey assumantizes the existing research a chievements of the domestic and foreign researchers in recent years. And final the domest and proves three ways in the assumantize the activity of a conversational recommendation. Discussion assumantizes the activity of a conversational recommendation optices. In accent practistic ways and the conversational recommendation optices and the assumantizes and propertis truter work of domestation applications in the researcher in freeder (technolis) assumantizes and		120- 1120- 1120- 1120-1120-1120-1120-112

	the context of Pascal's Wager: generative pre- trained transformer perspective	Oncoscience	2022	9		82-84	artificial intelligence, longevity medicine, philosophy	Large language models utilizing transformer neural networks and other deep learning architectures demonstrated unprecelented returns in many tasks previously accessible only to human intelligence. In bits article, we oblicates with ChatGPT, and model developed by OpenAt to speculate on the applications of Rapanyckin, in the context of Paucal's Wager philosophical argument commonly utilized to public the belief and than not table age. The specific the other sector of perspective or why taking Rapanycein may be more beneficial than not tables Rapanycin from the perspective of Paucal's were international and that the transformation the perspective of Paucal's meeting in an annual table. This article demonstrates the potential of ChatGPT to produce complex philosophical arguments and should not be used for any off-label use of Rapamycin.	10.18632/oncoscience.571	
Y. M.,	enhance hazard awareness in the construction	Frontiers in public health	2022	10		993700	industry, communicable disease control, human, prevention and control, software	Safety training enhances hazard awareness in the construction industry, its effectiveness is a component of occupational safety and health. While face i-fore safety training has dominated in the past, the frequent loadown during CONID-19 have led us to rethink new solutions. A chaldot is messaging software that allows people to interact, obtain answers, and handle sale and inquiries through a computer algorithm. While chaldots have been used for language existation, no study his investigated them usefulness for hazard awareness enhancement after chaldot training. In this regard, we developed four Telegram chaldots for construction safety training and designed existances and the trainent factor. Provides researches sulfield expect taking the laboratory for construction safety research; most have adopted if for qualitative analyses such as hast maps or gase picts to study visual platfor search strategies are set existences. The design of appendix to the design of appendix to for factor. Our research has solitized an artificial intelligence-based expectinges in the dagot adverteness can be affected by several factors, use filed this research work on ang 2-way interaction terms using be expected. The dagot adverteness of the dargot and awareness, which is the find of a such. The results showed that Telegram chaltods takety training, and tak complexity on hazard awareness, which is the find of a such areas showed that Telegram chaltods takety training, and tak complexity on hazard awareness, which is the find of a such areas showed that Telegram chaltods takety training, and tak complexity on hazard awareness, which is the find of a such areas showed that Telegram chaltod takety training. Bot work and awareness and participants with the design needs to be adjusted according to participants' experiment. Dur results offer insights to construction aftery managers in safety knowledge sharing and safety training.		https://www.embase.com/sexrd/result?ababcion viewecond8id=638123568f.formesport, http://dx.doi.org/10.3389/fpubh.2022.993700
M. Zvyagiri, Bracs, A., Hippe, K., Deng, Y., Zhang, B., Bohorquez, C. O., Clyde, A., Kale, B., Perez-Rivera, Mann, C. M., Mann, C. M., Mann, C. M., Sasson, V., Ernani, M., Foreman, S., Sasson, V., Ernani, M., Foreman, S., Sasson, V., Ernani, M., Foreman, S., Nie, Z., Lin, D., Shukia, M., Nie, W., Romero, J., Dallago, C., Vihada, K., Kiao, C., Kiao, S., Kiao, S., K	Genome-sale language models reveal SARS-Cav- 2 evolutionary dynamics		2022		(Zvyagin M.; Brace A.; Hippe K.; Clyde A.; Perez- Rivera D.; Ma H.; Hayot- Sasson V.; Emani M.; Forema n S.; Xie Z.; Lin D.; Shukla M.; Foster I.; Foster I.;		2019, gene sequence, genome analysis, human analysis, human analysis, human analysis, human analysis, human analysis, human sequences and the prediction, Severe acute replatatory syndrome coronavirus 2, variant of concern	We seek to trandform how new and emergent variants of pandemic-austig viruses, specifically 3ABS-GoV-2, are identified and diastified and adjustiging lenganguamenolis (LMA) for genomic data, we build genome scale linguage models (centIAN), which can learn the evolutionary lundscape of SABS-GoV-2 genomes. By pre-training on over 100 million prokanyolic gene sequences and fine-using SABS-GoV-2 specific model on 15 million genomes, we pow that GenSIAMs can accurately and rapidly identify variants of concern. Thus, to our knowledge, GenSIAMs regressents one of the first whole genome scale foundation models which can generalize to other precificion takis. We demonstrate scaling of GenSIAMs on GPU-based supercomputers and AI-hardware accelerators utilizing 1.53 ZetIaflops in training runs with a sustained performance of 131 PRIOS6 in model pericision and poak of S69 PrIOSF. We present initial identific inaging form examing GenSIAMs in tracking evolutionary dynamics of SABS-CoV-2, paving the path to realizing this on large biological data.		http://www.embace.com/sexrd/result/shubation viewecond646-022639376/home.popt.
	ChatGPT threaten transparent science; here are our ground rules for their use	Nature	2023	613	7945	612	*Artificial intelligence/etits/Jegislation & jurisprudence/trends, Ethics, Research & jurisprudence/standards, *Science/ethics/methods/stan dards, *Writing/standards, Authorship/standards, Ethics, Machine learning, Publishing, Scientific community		10.1038/441586-023-00191-1	
		ASTRONOMY	2023	7		01. Jan		reasons. Where should we draw the line when it comes to artificial intelligence?	10.1038/s41550-023-01891-4	
F. Agbavor, Liang, H.	Artificial Intelligence Enabled End-To- End Detection and Assessment of Albeimer's Disease Using Voice	Brain Sciences	2023	13	1		under the curve, article, artificial intelligence, artificial neural network, computer model, controlled study, decision tree, dementia, diagnostic test accuracy study, DNA extraction, female, heart rate variability, human, learning algorithm, machine learning, major	There is currently no simple, widely available screening method for Alzheimer's disease (AD), partly because the diagnosis of AD is complex and typically involves expendent and sometimes involves tests not commonly available oxisis heighly specialized clinical startings. Inter, we developed an artificial intelligence (AI)-powered enti-to-end system to detect AD and predict its seering directly from obscie recordings. At the core of our system is the pre-trained databace model, the first high-performance self-supervised algorithm that works for speech, vision, and text. Our model was internally evaluated on the ADReSSO descriming the Cookie Their picture, and externally validated on a test datated from Demensialiank. The AI model can detect AD with average area used to 404 search 0325 so the do-out and external test screptoricity. The model was an detect calibrated (fisomer-temeshow goothes: of-fit p-value = 0.93616). Moreover, the model can reliably predict the subject's complitue testing scole solehy based on raw other recordings. Our study demonstrates the testability of our line the subject of subjects to end model for early AD diagnosis and serverity prediction directly based on voice, showing its potential for screening ALpheimer's disease in a community setting.		https://www.embase.com/sexrd/result?s/basicion viewrecot6id=2016888.46/mer.eport, http://dx.doi.org/10.3390/brainsci13010028
F. Agbavor, Liang, H. L.	Artificial Intelligence- Enabled End-To- End Detection and Assessment of Alzheimer's Disease Using Voice	BRAIN SCIENCES	2023	13	1			There is currently no simple, widely available screening method for Albheimer's duesae (AD), partly because the diagnosis of AD is complex and typically involves expensive and sometimes invasive tests not commonly available outside highly specialized diricula setting; here, we developed an arbitralia intelligence (AD) powered end-to-end system to detect AD and periods: It seeming directly from voice recordings. At the core of our system is the pre-trained dataXexe model, the first high-performance self-supervised algorithm that works (or specer), vision, and text. Durinded was internally evoluted on the ADRESSo (Alzhemer's Demential Recognition through Sportaneous Speech only) datasets containing voice recordings of subjects with average area under the curve (AUC) of 0.484 and 0.4355 on heli-out and external test set, respectively. The model an altest task complication effective and test and testing. Nonexext, the model can relably predict was well- calitated (Homer, Hard) datagoria and everity prediction directly based on voice, showing its potential for screening Alzhemer's disease in a community setting.	10.3390/brainsc13010028	
Hassan, A., Aziz, S., Abd-	Chatbot features for anxiety and depression: A scoping review		2023	29	1	1,5E+16	*Depression/therapy, Anxiety/therapy, *Mental Disorders, Mental Health,	Chatbots can provide valuable support to patients in assessing and guiding management of various health problems particularly when human resources are scarce. Chatbots can be alfordable and efficient on demand virtual assistants for mental health conditions, including anotely and depression. We review flattering of chatbots available for anxiety of depression. Six bibliographic databases were searched including backward and forwards reference list checking. The initial search to its score provide the score of the score score and the score score and the score score score score from conference proceedings (GSZ), 8(42), followed by journal articles (26X, 11/42), reports (7X, 3/42), or book stapters (5X, 21/22), abook 1tad for the reviewed databats for this score addression (databats for this score) and depression (GBZ), 23/42), whereas 35X (13/42) fageted only depression, SSX (15/42) anotes 34X and the remaining addressed other metal health score slong with anxiety and depression, Austars or Encland characters were reavised in these tabation on JZ SS (11/42) deplete the increasing popularity. Mental health carbots could benefit in helping gatateries with anxiety and depression and provide witable support to mental healthcare were, particularly wine increasing and excessed other personal virtual assistance lifts in his gap. Their role in mental health carbots could benefit in helping gatateries with anxiety and depression and provide witable support to mental health carbots could benefit in helping gatateries with anxiety and depression and provide in his gap. Their role in mental health carbots could benefit in helping gatateries with anxiety and depression and provide in his gap. Their role in mental health carbots could benefit in helping gatateries with anxiety and depression and provide in his gap. Their role in mental health care is expected to increase.	10.1177/14604582221146719	
C. Ahn	ChatGPT for information of cardiopulmonary resuscitation	Resuscitation	2023	185		109729			10.1016/j.resuscitation.2023.109729	
A. Almada, Yu, Q. C., Patel, P.	Chatbot Framework	INTELLIGENT SYSTEMS AND APPLICATIONS, VOL 1	2023	542		751-770	Al-Deep Learning chatbot, Framework, Students' assistant	Nowaday, universities are using more technologies dasling with students' interactions. The chaloto supported with Artificial intelligence (A) — Deparaming (D) Lethenology exhibited a better baility and efficienty in various assistant situations. Nowever, the effectiveness of the education chaloto is still not statifactory. This paper proposes a new chaloto framework that integrated students' learning profiles and enhanced chaloto components to improve utilem interaction. The new chaloto framework uses intowledge from the PS 2CLH model and Al – DL to build a practice chaloto for assisting students' learning on their acateries subjects and controllable learning factors. One of the principal novelisis of the chaloto framework lies in the student's clearning and explain the control in different ways using text, image, wides, and audio to assist fauldents and when'the acateries subjects and controllable learning factors. One of an advect to satistications and more their learning experience effectively. Furthermore, the chaloto practively suggests controllable learning factors for students to work on, improving their adaemic performance. The testing results demonstrated that the practive chaloto offered sound accuracy and more effective learning support than other chalotos.	10 1007/978-3-031-16072-1_54	

Raj, D., Sai, A. M. A., Rao, S. N., Vinodini Ramesh, M.	Techno-Social Synergy for Disaster Resilience in Coastal Communities : A Sustainable Approach		2023			366-371	Al chatbot, Coastal community participation, Disaster risk reduction, Emergency response, Neural networks, Climate change, Emergency services, Roods, Losses, Storms, Chatbots, Communite, Actional Construction Disaster realificence, Disaster risk reductions, Neural- networks, Techno socials, Sea level	Diasters are inevitable for the coastal community due to their geographical closeness to the vast ocean. Sea-level rise, coastal floods, cyclones, humicanes, tsunamis, and even high tides affect coastal communities across the globe. It leads to substantial economic loss and loss of human lines and properties, affecting the coastal communities' livelihood and sustainability. Often the warning time and the preparation line to take actions are relatively short. The community needs to be properted to move to a safer location in this short duration. This work addresses the disaster risk reduction methods that need to be adopted by the coastal communities in mida to reduce the impact of natural disasters and climate changer risks they are susceptible. We propose an Al-based chatbot to provide accurate and up-to-date information about the spatiotemporally varying disaster providing accurate information about disaster alerts through their smartphones. © 2023 ACM.		https://www.scopus.com/inward/record.uri?eld=2- 32.0- 85146874998.doi=10.1145%215571306.3571437& partere(10=40&md5=6025bc2194040871125f721b3 18a13fb
Morilla, I., Ruiz, V., Grande, I., Mas, A., Martín- Villalba, I., Caballo, A., Esteva, J. P., Rodríguez- Rey, A., Piazza, F., Valdesoiro, F. J., Rodríguez- Torrella, C., Sorroche, C., Virgili, G., Ruiz, A., Solanes, A., Radua, J., Also, M. A., Sant, E.,	chatbot for anxiety- depressive asymptoms and work-related burnout in primary care and healthcare professionals: development, feasibility, and potential effectiveness studies	J Med Internet Res	2023					related burnout compounded by a lack of resources to meet their needs. The CXVD-19 pandemic has exacehated this problem and digital tools have been proposed as a solution. DBECTIVE: We present the development, fessibility, and potential effectiveness studies of Vickybed, a chatbat aimed at screening, monitoring, and reducing anxiety-depressive symptoms and work-related burnout in CP patientian dheathcare workers. NHTODS: User centered development, fessibility, and development and any other than the studies of the theory of the Main functions included self-assessments, psychological modules, and emergency alerts. Healthy controls (ViCL) tested Vickybel for memory of the theory of the development strategies were adopted encoded. The theory of the development strategies and objective user engagement indicators (ULL). Potential differentiates are mean using a strategies the theory of the development and objective user engagement indicators (ULL). Potential affectiveness are mean used using patient 1: Notice was transmitted and registreer of reliably. (1) simulations : 17 NG (173 k female, mean age=35.53.21.01 completed the first effectiveness study: 24 patients (15 from CF and 3P healthcare workers; 77 k female, mean age=35.53.21.01 completed the first effectiveness were indicated and effectiveness were complex received (2) Pressibility and patient 1 effectiveness were indicated and advect and effectiveness were complex received (2) Pressibility and patient 1 effectiveness were indicated and effectiveness were moderated yreduced (2 - 20, 7 = 0.03, r = 21). There was a non- significant trend routed the size of a strategies of the size of a strate strate and the elevel bound strates were and ubabbe. There paties (8, RS) latited	10.2196/43293	
Touma, S., Milad, D., El- Khoury, J.,	Evaluating the Performance of OhatGPT in Ophthalmology: An Analysis of its Successes and Shortcomings		2023		(Antaki F.; Tourna S.; Milad D.; El- Khoury J.; Duval R., renaud. duval@ gmail.co m) Depart ment of Ophthal mology, Universi té de Montré al, QC, Canada		artificial intelligence, clinical decision making, general practice, human, initaocular umor, language, medical decisi, neurophthalimology, mecall, simulation	We tested the accuracy of ChATGPT, a large language model (LLM), in the ophthalmology question-answering space using two popular multiple docis equation banks used for the high-tasked pothhalmic clonolegies Assessment Program (DKAP) exam. The testing sets were of easy-to-moderate difficulty and were diversified, including reall, interpretation, practical and clinical decision-making produces ChAtGPT achieved 55.98 and 27.27, accuracy in the two 200-question simulated exams. Its performance varied across subspecialities, with the best results in general medicine and the worst in neuro-ophthalmic gated ophthalmic pathology and instraoadar uncents. These results are enoughing that aspects that specialising LLMs through domain- specific pretraining may be necessary to improve their performance in ophthalmic subspecialities.	10.1101/2023.01.22.23284682	https://www.embase.com/serio//result/substrom/ www.erodikii-202549356/mm-eeport, http://dx.doi.org/10.1101/2023.01.22.23284882
	TET: Text emotion transfer	KNOWLEDGE- BASED SYSTEMS	2023	262			Text style transfer, Emotion recognition, Transfer learning, Masked language modeling, Transformers, AWARE INFLUENCE MAXIMIZATION,	Test style transfer aims at transforming the style of a piece of text while keeping its primary context. The style of the text is usually defined as a particular writing core in different categories, sub as formally politeress, settiment, and political aims. Recently, most of the work in the area has been devoted to the problem of settiment transfer, which tries to transfer an opinionated text into a politive or negative perspective. It has applications in marketing, political news, chattock, writing tools, and many others. On the other hand, emotions as the back forms of sentiments have brought many attentions to different tasks, including image style transfer but they are not well expressed in text style transfer yet. This antice presents a text emotion transfer mode that transforms the style of a text or each of the predefined many? Text ⁻ , Opt a standers emotions. Relying on masked language modeling and transfer learning, the proposed model can perform efficiently on limited amounts of emotion-annotate data. Moreover, the model shows promising experimental results, and the stress of text or style transfer accuracy, context preservation, and fluency in the SEAR and TEC emotion corpona.(c) 2022 Elsevier BV. All rights reserved.	10.1016/j.knosys.2022.110236	
Karo, I. M. K.,	recommender	International Journal of Electrical and Computer Engineering	2023	13	: 1	936-947	Chatbot, Conversational recommender system, Dalogflow, Movie recommendation, Recommender system	Correctly, the online movie streaming busines is growing graphy, such as Netflip. Divery-, Ansono Prime Video, NBA, and AgeIn TV. The recommoder system heigh calcularity in graphic formation takes on index that are is baccariate with thir within. Meanwhile, the development of messaging patterns relation stream and the sainer for many paople to communicate instandry. Utiliting a messaging patterns to beild a recommender system for movies, provides special benefits because paople often access the messaging patterns to beild a recommender system for movies, provides special benefits because paople often access the messaging pattern and the time. In the indonesian language, there are many shared terms that the system must receptise. In this stark, we build a chalform dented movies that the system in natural language (in indonesian language) and get recommendations. We use rule-based and maximum likelihood as a method in natural language processing (NLP), and contreb asked filtering for the recommendation process. The recommender system. Interaction is built through a conversation mechanism that will form a conversational recommender system. The interaction is based on a shatbort which is built call gallogflow and implemented on the telgen. We use the accuracy of recommendations and user statisfaction to evaluate the system performance. The results obtained from the user study indicate that the NLP approach provides a potitive experience (for users. In defition, the system also produces an accuracy value of 35%. 6 2023 Institute of Advanced Engineering and Science. All rights reserved.	10.11591/jjece.v13i1.pp936-947	https://www.scopus.com/inward/record.un?eid=2- 125.18382218.doi:10.115919/3/jikes.v1311.pp936- 59245.partnet/0-b08.md5=8073447791asa88a7197a 8b3309cc55c
Müller, J. L., Siegel, B., Fromberger,	An Open Source Virtual Reality Training Framework for the Criminal Justice System		2023	50	2	294-303	training, forensic psychiatry, open source, virtual reality	We developed an open-source training framework to practice conversation stills in a controlled and immersive virtual reality (VD) environment. VTutual characters with different biographics were developed with which a conversation using natural language is possible. The virtual characters integrate a dialog management system (ChatScript) to provide different biographical memories. Natural language processing for the German language is integrated by suits (Bala), no open-source speech recognition toolist. As the framework allows for interchangeable content there are many different possible application cases to apply within the criminal justice system. The VI frameworks colds is available under a open-source license. In this and ice, and overview of the framework indicating is given as well as an outlook on possible areas of applications. Statements about user acceptance and usability cannot yet be made, as relevant data have first to be gathered through a concrete application case. O 2022 International association for Correctional and Forenic Psychology.	10.1177/00938548221124128	https://www.scopus.com/nward/record.uri?eid=2- 2.0- 85138273578.doi=10.1177%2100985842221241 258partnerr0=048md5=d4a63bf3e1e17ab5f4bdf3 030ede22de
Dimauro, G., Piattini, M.	"quality in use" of ISO/IEC 25010		2023	170		104951	Facilities, Communication, Technology, Ahp, Clinical pathway, Iso/Acc 25010, Medical-chotto quality, competing financial interests or personal relationships that could have appeared, to influence the work reported in this paper.	BACKBONUNG: Conversational agents are currently a wild alternative to humans in first-level interviews with users who need informations, even in depth, about services or products. In application domains user has halfs care, this technology can become pervasive only if the percised "quality in use" is appropriate. How to measure chatbot quality is an open question. The international stander GONES 2010 proprioses a set of characteristics (efficiences, editations, freedom from in and context coverage) to be considered when the "quality in use" of a software system has to be measured. BACE PROCEDURE: This study proposes a chical characteristics (Efficiences) editorication constraints and characteristic (Efficiences) assistationed on Analytic Hierarchy Process methodology (AMP). FRDINGS: Our contribution is broklod. First, we propose a set of measures for each dimateristic of SDRE 22030 according to three classes of investionally providing apprecisit plasma of process management. Moreover a quantitative method is proposed for mains have versions of a chathout we results show that the proposed approach to take versions of a chathout was performed. COXCLUSIONS: The results show that the proposed approach a trace state (SDR) experision quality and provides an effective reference base for performing quality comparisons of medical chatbots compliant with the ISO/EC 25010 standerd.		
Truică, C. O., Chiru, C. G.,	Improving Intent Classification Using Unlabeled Data from Large Corpora	Mathematics	2023	11	. 3		data projection, few-shot	Intent dustification is a central component of a Natural Language Understanding (NUI) appeline for convenzional appent. The quality of such a component depends on the quality of the training data, however, to many convenzional constructs, the data might be scarce; in these scarces in these scarces and the quality of the training data, however, to many convenzional constructs, the data might be scarce; in these scarces in these scarces and the quality of the training data, however, to remark construct on the data of training and the scarce in these scarces and the scarce of various feature vectors on the task of intent classification using RASA's text classification capabilities. The scarce of various feature vectors on the task of intend of sefficiently mignerities (tasking RASA's text classification capabilities. The scarce of various feature vectors on the task of intend of sefficiently mignerities (tasking RASA's text classification capabilities. The scarce or related for the scarce of the scarce or relate using the task of the number of labeled examples is using to (e.g., two cample). We believe that on methods is important for any Natural Language Processing (NP) or NUL task in which labeled training data are scarce or espensive to obtain. Lastly, we give some imgishs into future work, which aims at combining our proposed method with a semi-supervised learning approach. B 2023 by the authors.	10.3390/math11030769	https://www.scopus.com/nward/record un?eld=2- c3-0 5514755418.doi-10.3300%2/math1103076568.pa rment0=408.md5=378915568823ff797828cd1b3bd9 bo6a
M. Binz, Schulz, E.	Using cognitive psychology to understand GPT- 3	Proc Natl Acad Sci U S A	2023	120	. 6	i e221852 3120	*Cognitive Psychology, Problem Solving, Learning, Reinforcement, Psychology, artificial intelligence, cognitive psychology, decision-	We study GPT-3, a recent large language model, using tools from cognitive psychology. More specifically, we assess GPT-3's decision-making, information search, deliberation, and causal reasoning abilities on a battery of canonical experiments from the Iterature. We find that much of GPT-3 behavior is impressive: It solves synett-based tasks similarly or better than human subjects, solve to make decent decisions from descriptions, outperforms humans in a multiarmed hand't task, and shows signatures of model based reinforcement larging. Yet, we also find that small performs humans in a causal reasoning task. Taken together, there exists enrich our understanding of current large language models and performant price in messinglish, solve for furce investigations using tools from cognitive psychology to study increasingly capable and opaque artificial agents.	10.1073/pnss.2218523120	

Neyens, D.	The Effects of a Health Care Chatbot's Complexity and Persona on User Trust, Perceived Usability, and Effectiveness: Mixed Methods Study	JMIR Hum Factors	2023	10			Ehr, adoption, artificial intelligence, chatbot, effectivenese, electronic health record, health education, health information, patient information, patient	BACCGROUND: The rising adoption of telehealth provides new opportunities for more effective and equitable health care information mediums. The ability of databots to provide a conversational, personal, and comprehendble arenue for learning about health care information make them a promising tool for addressing health care inequipy as health care terredis continues toward web-based and remote processes. Although hatbots have been studied in the health care domain for their efficacy for smoking essaturia, det recommedation, and other assistive applications, fee studies have cannied how pecific design characteristics influence the effectiveness of ratabots in providing health information. DBECTIVE: Our objective was to integrate the influence of afferent design considerations on the effectiveness of a neutron term constraint technical are provided and the providence of these values on a source measures: encludes technical are provided that the presented qualifications of the chatbot's persons (e.g. dottor, norse, or neutring technical are grade with the presented qualifications of the chatbot's persons (e.g. dottor, norse, or neutring technical are grade with the chatbot target values the impact of these values on a sourcem neutrons: effectiveness, usability, and trust. A qualitative transcript review was also done to review to how participants engaged with the chatbot. RESULTS: Analysis of 27 participants formal the impact on the reviewed technical language response were significantly more likely to tarbot the chatbot. The participants compared with the chatbot's persons (e.g. onversational approach and others treating the chatbot new relieves or how conversion participants engaged with the chatbot and these treating the chatbot new reviewed technical language response were significantly more likely to tarbot the chatbot. The participants compared with the chatbot's persons and language complexity are too design considerations that influence the ability of chatbots to successfully provide health	10.2196/41017	
S. Biswas	ChatGPT and the Future of Medical Writing	Radiology	2023			223312			10.1148/radiol.223312	
	A conversation with ChatGPT on the role of computational systems biology in stem cell research		2023	18	1		*Systems Biology, *Stem Cell Research, Computational Biology, Communication		10.1016/j.stemcr.2022.12.009	
Peters, D., Moradbakhti , L., Cook, D., Rizos, G., Schuller, B., Kallis, C., Wong, E.,	Feasibility of a	JMIR Res Protoc	2023	12			behavior change, chattot, conversational agent, health, health education, well-being, received conference sponscripting from Chiesi Limited and has a joint working, agreement for a project between Imperial College Healthcare NHS Trust Antazeneea UK, 20, has received grants from MRC, disk, Antazeneea, and Antazeneeach UK, 20, has received grants from MRC, Okiesi, and AstraZeneea, and AstraZeneea and Separaticipation or speaking fest mon	BACKBROND: Despite efforts, the UK death rates from sathma is the highest. In Europe, and GSX of people with a sthma in the United Ringion don so receive the professional care they are entited to. Experts have recommended the use of digital innovations to help address the issues of poor outcomes and lack of care access. An automated SMX text messaging-based conversational agent (ic., shate); created to provide access to statima support in a finalitar format via an autobili pohon has the potential to help people with authma across demographics and at scale. Such a chatbot could help improve the accuracy of self- assesder disk improves anthma air finamegement, increase access to professional care, and utimately reduce athma attacks and emergendes. OBIECTIVE: The airms of this study are to determine the feasibility and utability of a text-based conversational agent that processes and botts sample voice recordings to calculate an estimate estima. Study are to asthma escentration and then offers follow-up information for lowering risk and improving statima control; assess the levels of engement for different groups of users, apticularly those which one calcess professional arrives and the own with poor asthma control; and assess the extent to which users of the chatbot perceive it as helpful for improving their understanding and still the access the conversational algent through WhatLApp on their mobile phones. Participants will be provide with link to access the conversational algent through WhatLApp on their mobile phones. Participants will be sent schedule and andonhy itemed reagaes to initize the engage in dilatoge about their adhma in the dire during the direction to the order what and users and the sequest balants and who with shatly and the init to access the conversational algent through WhatLApp on their mobile phones. Participants will be sent scheduled and andonhy itemed reagaes to initize the molegae in dilatoge about their adhmin related to the quality of the interaction. A pro- and poo	10.2136/42965	
L Campilos- Lianos	MedlexSp - a medical lexicon for Spanish medical natural language processing	J Biomed Semantics	2023	14	1		Processing, *covid-19, Language, Vocabulary, Controlled, Unified Medical Language System, Semantics, Medical Lexicon, Natural	BACKGROUND: Medical lesions enable the natural language processing (MPI) of health texts, Lesions gather terms and concepts from thesain and ontojoles, and inguistic data for prior 4-dispech (Pois Clarging, lemmattation or natural language generation. To date, there is no such type of resource for Spanish. CONKTINCTION AND CONTENT: This article describes an unified medical lesion for Medical Natural Language Processing in Spanish. Medica. Spin cludes terms and infleted word forms with Prior Staffmatch Language and Language and domains corpore (L. Medining). La disc cludest terms and infleted word forms from the Dictionary of Medical Tarris from the Spanish Royal Academy of Medicine, the Medical Subject Headings (MediF), the Systematical Nomenchaure of Medical Naturas, the Online Medical an Intertaince in the Medical Subject Headings (MediF), the Systematical Nomenchaure of Medical Naturas). The Online Medical Intertaince in the Medical Subject Headings (MediF), the Systematical Nomenchaure of Medical Naturas). The Online Medical Intertaince in the ModiMal and Ophibal. Terms riseled to COVID-19 were assembled by applying a similarity based apprach why werd embeddings trained on a large corpus. Medicals includes Dis R lemma, 302 351 alifected forms (cincic) asses. Medicals, privale terms of PoS tagging and lemmatization compared to the default Spacy and Sanaa phthon libraries. COVILUSIONS: The lexicon is distributed in a definiter-spanated wite file. an XML list with the Locial Anting Tannewirks. Lemmatter module for the Spacy and Sanaa libraries; and complementary Locial Resource (UR) files. The embeddings and code to extract COVID-19 terms, and the Spacy and Sanaa lemmatizes enriched with medical terms are provided in a additine reportory.	10.1186/s13326-022-00281-5	
Vener, C., LeBlanc, M., Lopez-Perez, L., Fico, G., Resteghini, C., Monzani, D., Marton, G., Pravettoni, G., Moreira-	randomized trial for quality of life evaluation by non-invasive intelligent tools during post- curative treatment follow- up for head and neck cancer: Clinical study	Front Oncol	2023	13			and neck cancer, mitealth, suivoiroship, unobrusive, this study, Dr Sis employed by DOTSOFF, Greeces, Skicklees the following, conflicts of interest: shonorais from Lilly and Eisä, outside of this study, FM, is employed by MultiMed Engineers, Italy. Lill disclose the following conflicts, of interest: research funds domated directly to the interface of the study of the minimum study of the minimum study of the minimum study of the minimum study of the Martisheet, Edgene, Harrison State International, Esai, Feelnis, Debiophrum International Sa, Morvarits, Pitzer, Roche, Buran, occasional fees for panticipation as a speaker at	Patients surviving head and neck cancer (HNC) suffer from high physical, psychological, and scalecenomic burdent. Achieving cancer-free survival with an optimal quality of Hic (Qu)) to the training and for HIC canter management. So, maintaining Hidrog surveillance is critical. An ambitious goal would be to carry this out through the advanced analysis of environmental, emotional, and behaviorial data underturbursly collected from mobile devices. The aim of this clinical trait is to reduce, with no- imasive tools (i.e., patients' mobile devices), the proportion of HIC survivors (i.e., having completed their curative trastment from 3 months to 3 (uses) appendencing a clinically releast resultation in GA during (Goldwave, The Big Data or Quality OL goldwave). The target same same same same same same same same	10.3389/fone.2023.1048593	
Pagano, A. S., Prates, R. O., Praes, E. C., Ferreguetti, K., Vaz, H., Reis, Z. S. N., Ribeiro, L. B.,	designed as a public health response to the Covid-19		2023				a scientific consultant for	BACKGRDUND: The potential of chatbots for screening and monitoring COVID-19 was envisioned since the very outbreak of the disease. Chatbots can help disseminate up-to-date and trustworthy information, promote healthy social behavior and support the provision of healthor services alley and at calle. In this service and an envisor of the analysis of the disability and trust of the service and the aller discusses. Chatbots can be disseminate up-to-date and trustworthy information, DBUCTW. To evaluate the quality of user dependence with a bland designed in response to the COVID-3 pandenic by a large telehenit service in Brain, Hoxing on an analysis of usability with real users and on an exploration of strengths and abortcomings of the chatbot as revealed in reports by participants in simulate dostration. METHODS We examined a chatbot developed by a multidiscipant participant is an induced contrastic. METHODS We examined a chatbot developed in reports by participants in simulate dostration. METHODS We examined a chatbot developed by a multidiscipant participant and used as a component within the workflow of a local public healthcare service. The chatbot had two core functionalities: assisting online screenay OCI ON-2005 and an exervite and pooleding seducation-based infermedion with the pouldation. From Oster 2020 to the history of the local static stability laters can be caused as provident insight in the box gradel by the interview. INSULTS: Usability sustainers and the site start with 1 box durates (4.4.4) and user statication (4.3.8), network with 15 soluteness (4.5.7), likelihood of being recommended (4.4.8), as our traveled with grood as cores for chatbot usefulness (4.5.7), likelihood of being recommended (4.8.8), as our (4.4.4.4) and user statication (4.3.8), interview with 1.5 soluteness (4.5.7), likelihood of being recommended (4.8.8), as our (4.4.4.4) and user statication (4.3.8), interview with 1.5 soluteness (4.5.7), likelihood of being recommended (4.8.8), as our (4.4.4) and user staticat	10.2196/43135	
Acharya, P., Gruen, D. M., Zhang, O., Eyigoz, E. K.,	explanations of risk prediction models in type-2 diabetes	Intelligence in	2023	137			case report, chronic kidney failure, clinical article, clinical assessment, comorbidity, data source, diabetes mellitus, disease simulation, feasibility study, huma, language, medical expert, non insulin dependent diabetes mellitus, physician, pipeline, practice	Medical experts may use Artificial Intelligence (AI) systems with greater trust If these are supported by 'contextual explanation' that let the practitioner connect system inferences to their context of use. Nowever, their importance in improving model usage and understanding is not been cetenology studied. Hence, we consider a controlistify risk prediction scarcin and focus on contexts regarding the patients' clinical state, AI predictions about their risk of complications, and agonthmic explanations supporting the predictions. We explore how relevant information for such dimension can be extracted from Medical guidelines to answer typical questions from clinical practitioners. We identify this as question narwering (QA) task and employ several state-of-the-art Lage Language Model (LIII) to present contexts sound risk prediction model inferences and evaluate their acceptability, Finally, we study the benefits of contextual explanations by building an end-to-end AI pipeline including data controling. AI risk normon type 2-4 labetes: [CJM) comorations and evaluate their combined ingitistic from different context dimensions and data sources, while predicting and identifying the drivers of risk of Chronic Kdney Disses (CQI) – a comon type 2-4 labetes: [CJM) comoratidies: LIM of these tasks we performed in deep engagement with medical experts, including a final evaluation of the databaard results by an expert medical panet. We show that LLMs, in particular BERT and StateT, can be reading dejoed to contract some relevant englandiants to support dimical usage. To understand the value-add of the contextual explanations, the expert panel evaluated their ergarding actionable insights in the relevant clinical state. Cover like the contextual explanations, the cover analysis elitority ting the facilitation able englishs in the relevant clinical state. Cover like the english of the englishing the diversity of a models.	10.1016/j.artmed 2023.102498	http://www.embase.com/search/result3/aubaction wiewrecord8id=12022003118from=export, http://dx.doi.org/10.1016/j.artmed.2023.102498

J. Chatterjee,	This new	Patterns (N Y)	2023	4	1	100676		We explore the recently released ChatGPT model, one of the most powerful conversational AI models that has ever been	10.1016/j.patter.2022.100676	
	conversational AI model can be your friend, philosopher, and guide and even your worst	Patterns (N T)	2023	4	1	100676		we expore the receivity resides Unative I mode, fore on the most poweria conversational A modes that has ever been developed. This opinion provides a perspective on its strength and weakness and a stall to action for the A community (including academic researchers and industry) to work together on preventing potential misuse of such powerful AI modes in our everyday lives.	10.1016/j.parter.2022.100676	
T. J. Chen	enemy ChatGPT and other artificial intelligence applications speed up scientific writing	J Chin Med Assoc	2023						10.1097/jcma.00000000000000000	
X. L. Chen, Cheng, G. R. Y., Zou, D., Zhong, B. C., Xie, H. R.	Intelligent Robots for	EDUCATIONAL TECHNOLOGY & SOCIETY	2023	26	1	171-186	Topic modeling, Bibliometric analysis, Precision education,	As a human-friendly system, the settificial Intelligence (A) (tobol is one of the critical applications in promoting precision education. Alreades tapol to the critical application is education. Al reades supported precision education has developed into an active field, with increasing literature available. This study sime to comprehensively analyse directions taken in the past in this particle field, with increasing literature available. This study sime to comprehensively analyse directions taken in the past in this particle field with increasing the study sime of the comprehensively analyse directions taken in the past in this particle field with increasing the study sime of the comprehensively analyse directions taken in the past in this particle field with the study sime of the comprehensively and the comprehensively and used in different subject areas in eq., anly education, TSTM education, metales, munitag, and halfblace educations in the analyse exactication for promoting combinative brands, multication, and the constant diversities learning Neuwers, a limited particle in developing true human-centered AI (HCA) supported dividation reduct in swallable. To advance HCAI in education and the signification in educational reduction diversition educations, using state including of individual learners, testing, and understanding the learner-AI robot interaction, taking an HCAI multidisciplinary appreach in robot system development, and providing sufficient technical support for instructors during robot implementations.	10.30191/ET5.202301_26(1).0013	
Y. Chen, Jensen, S., Albert, L. J., Gupta, S., Lee, T.	Artificial Intelligence (AI) Student Assistants in the Classroom: Designing Chatbots to Support Student Success	Frontiers	2023	25	1	161-182	Chattotz, Comercational agents, Higher education, Indusive learning, Ethical technology, Customer-service, Empirical studies, Ethical concerns, High educations, Studient success, Teachers', Work productivity, Students	In higher education, low teacher student ratios can make it difficult for students to receive immediate and interactive help. Chattosts, increasing you dei narios scares in teacher service, word productivity, and heltitarce, mighte be one way of helping instructions better meets. However, few empirical studies in the field of information Systems (S) have investigated pedagoistic labels of fields) in higher educations and drever still discoss their potential chatteges and drawbacks. In this research we address this gaps in the S Iterature by exploring the opportunities, challenges, efficary, and ethical concens of using drahtots a pedagoistic labels of fields. Under their the two study project, we conducted a chatter gauded radius and with 23 a undergraduate students to understand student attructive regarding the potential benefits and challenges of using chattots as intelligent student assistants. Our findings revealed the potential for chattots to help students in a responsive, interactive, and confidential way. Findings also provided insights into student teaming needs which we then used to design and reveoremental chattor assistant to teach basis it. A concepts to 35 students. Results of this second study suggest chattots to na bengging and responsive conversational learning tools for teaching basic concepts and of student providing educationer sources. There we provide the results to tobit stude and discuss possible provides gaves, there we provide the results to tobit studest and the student states student gaves. There, we provide the results to bot studest and to share specifies and chatter students to support inclusive learning. © 2022, The Author(s), under exclusive learnet to Springer Science-Bauines Media, LLC, part of Springer Nature.	10.1007/s10796-022-10291-4	http://www.scopus.com/invari/record.ur/Reidz- 20 453118155766doi=10.1007%c7110786-022- 10291- 10291- 1033116668
	User-Chathot Conversations During the COVID-19 Pandemic: Study Based on Topic Modeling and Sentiment Analysis		2023	25		e40922	19/epidemiology/prevention & control/psychology, Pandemics, SARS-CoV-2, Sentiment Analysis, "Social Media, Communicable Disease Control, Covid-19, chatbot, conversational agent, discourse, global health, health information, infodemiology, infoveillance, public health, public	BACGRONUS: Chattoch have become a promising tool to support public health initiatives. Despite their potential, Ittle research has acamide how individual interacted with chattoch during the COVD-3 pandemic. Understanding user-chattoch interactions is crucial for developing services that can respond to people's needs during a global health energency. BUECTVE: This study examined the COVD-19 pandemic-related togics online users discussed with a commorcially sublice sculal chattoch and compared the sentiment engressed by users from 5 culturally different countries. METHODS: We analyzed 19,722 downstant outerascence related to COVD-19 pandemic field togics and majored end end of the sentence of the countries. METHODS: We analyzed 19,722 downstant outerascence related to COVD-19 provides processing processing processing inclusional analyzed end end of the work of the sentence of t	10.2196/40922	
D. Chrimes	Using Decision Trees as an Expert System for Clinical Decision Support for COVID-19	interact J Med Res	2023	12		e42540	Covid-19, assessment tool, chatbot, clinical decision support, decision tree, digital health tool, francework, health informatic, health intervention, prototype	CDVID-19 has impacted billions of people and health care systems globally. However, there is currently no publicly available chatbot for patients and care provident to determine the potential severity of a CDVID-39 indection or the possible biological system response and comorbidities that can contribute to the development of avere case of CDVID-31 in The preliminary investigation associes this lack of a CDVD-39 case-by-case chatbot into conductation when building a decision tree with biany therefore the several section of the several case of the conductation of the several section of the several biany and conductations and interaction with users. A total of 22 nodes were established that were stratified from users for a chatbot application and interaction with users. A total of 22 nodes were established that were stratified from users. This resulted on possible G3.300 scenarios, defining a method toward understanding the data needed to validate the decision tree wand highlighting the complicated nature of severe cases of COVD-310. The decision tree comfirms that stratification of the viral infection with the body system while incorporating comorbidities and manifestations provides insight into the type of data required to decision support.	10.2196/42540	
Chan, Y. H., Lalor, J. G., Chong, Y. S.,		J Midwifery Womens Health	2023				chatbot, parent, postpartum, preconception, pregnancy, review	INTRODUCION: Chatbols, which are also known as comensational or virtual agents, are digital programs that can interact with humans using vices, text, or anniation. They have shown promise in providing precession, pregnancy, and postpartun care. This review aims to consolidate the insights of parents and parents-to-be in using chatbols to improve their preconception, pregnancy, and postpartun health, MTRIDOS Seven electronic diabases were searched from their inceght of adversill agent and parents-to-be in using chatbols to improve their preconception, pregnancy, and postpartun health, MTRIDOS Seven electronic diabases were searched from their inceght of adversill agent and the sector of the sector and parents or parents to be aged 21 gars and who had undergone interventions involving the use of any type of chatbol were included in this review. The guality diriculade studies a used to synthesis the Indings, and reules were chemically anyweld. RSUITS first first studies are the Indiang studies and the sector studies and the sector studies and the indiang of chatbol were included in this review. These studies were then studies have a conducted the intervention involving a new health resource, (2) colarates blocking the sector studies are then table anyweld. RSUITS first first studies are then table in source and a gard the sector studies are then table in the conduct direct the colarast of the table agent and the sectors. The context is an area then to sector studies are then table in the conduct direct tables are then table in the conduct direct tables. Recommendations for the thological isopart provided by chatbols. Recommendations for the thological isopart provided by chatbols. Recommendations for the thological isopart provides by chatbols. Recommendations for the thological isopart to familiance them with this new digital technology. Multidisciplinary chatbol devises populations.	10.1111/jmwh.13472	
С. Н. Chuang, Lo, J. H., Wu, Y. К.		Electronics (Switzerland)	2023	12	1		ARCS (Attention Relevance Confidence and Satisfaction) model, augmented reality, chatbot, e-learning	The none consulting (CDV0-39) pandemic is rangent around the work, and teachers and students are unable to attend applical classes in the notes of a sorious contexe. This study also to degra super-fielding violational totalish application interface that can be used as an after-school cell-feating tool for ruberts to enhance their interest and comprehension and increase the effectiveness of their semigra is them. The system adopts the Dather platform site toxers in terrifore and incorporates agginetized reality technology to build a shatbet that allows users to interact with it after they have tagged in to Facebook. The content is based on the biology subject of the first year of jusion high school and integrated into the online teaching with agginetized reality technology to build a shatbet that allows users to interact with it after they have tagged in to Facebook. The content is based on the biology subject of the first year of jusion high school and integrated into the online teaching with agginetized reality based in the ARCS motivation model, within 122 valid questionniare received. The reality show that the AB also dhatbase years developed in this day aggindram titized the interact to interact the admicest the interaction to use the system is presumed to result in a noticcable increase in student learning ductomes when using the system. Accordingly, this study proposes new online learning tools for inducts to use at thome during the pandemic, and the system also provides references for the future development and modification of educational ductors. © 2023 by the authors	10.3390/electronics12010222	https://www.scopu.com/inward/record.un?eide2- 2-0- 8514592005.84do-10.3390%2felectronics1201002 28partnerD=40&md5=d6d14el84a099008edfd6ba e11853907
Bolman, C. A. W., de Bruijn, G. J.,	Online Physical	JMIR Form Res	2023	7		e42394	development, effektift, miketift, olde adults, physical activity, pilot test, prototype, usability	BACKEROLIND: Only a minority of adults aged over 50 years meet physical activity (7A) guidelines of the Wrivid Health Communication (Work) elevable interventions are grown effective tools to high this posticaliton increase. The Neurelin Intervention term, among which the Active Nieu and I. More interventions have been developed by our own reason's group, To Atheve long- term effects increase intervention use, and decrease dropport terms (as, 3 antergent to the fifteent mobile elements (an activity tracker, an ecological momentary intervention [EMI] program, and a shatpol were added separatesh to Active Pias and I More. In this study, the prototype development and pilot testing of these interventions is described. OBECINCT: This study aims to enhance 2 actisting PA-stimulating computer-based intervention within a target postication of adving the group of the enhance 2 actisting PA-stimulating computer-based interventions with a backet postication of adving and early to the protocols on adving the protocols and pilot testing of these interventions is developed with individent of the target population. Litter are sarches segment plant test (Nar4) and subgestation procedures was followed with individent of the target population. Litter protocols uncertain test (Nar4) and subgestation file adving and the target population, which are grade postication. Carlo particular during plant activity tracker, [2] BM, or (3] a databct These prototopes were testication, with average system tolability Scale (SUS) scores of 52-822.2, and moderate to good on usability, with average system tolability and perceitation during plan activity tracker (12). The activity tracker received the endense to good on usability, with average system tolability Scale (SUS) scores of 52-822.2, and moderate to good on endyment and attraction, with average system tolability scale (SUS) scores of 52-822.2, and moderate to good on endyment and astraction, with average system tolability and protocols scores of the target population, which expected to taba	10.2196/42394	
N. Curtis	To ChatGPT or not to ChatGPT? The Impact of Artificial Intelligence on Academic Publishing	Pediatr Infect Dis J	2023						10.1097/inf.000000000003852	

R. S.	I Asked a	Neurosurgery	2023						10.1227/neu.000000000002414	
D'Amico, White, T. G., Shah, H. A.,	ChatGPT to									
R. Dale	Patient Care NLP startup funding in 2022	Natural Language Engineering	2023	29	1	162-176	Chatbots, Commercial applications, Fundings, Human language, Machine translations. Sentiment	It's no secret that the commercial application of NIP technologies has exploded in recent years. From chatbots and virtual assistants to machine translation and sentiment analysis, NIP technologies are now being used in a wide variety of applications across a range of industries. With the increasing demand for technologies that can process huma language, investors have been easer to are a disce of the action. In this article we look NIP startun fundion worthe east wars caller of the source investing technologies that NIP startun fundions were the asst wars caller within the increasing demand for technologies that NIP startun fundions were the asst wars caller within the technologies that the source of the action. In this article we look all NIP startun fundions were been the source in the infinite we look all NIP startun fundions.	10.1017/51351324923000013	https://www.scopus.com/inward/record.uri?eid=2- s2.0- 851479576778.doi=10.1017%2f\$13513249230000 138.oartner/D=408.md5=8f2debee841d4e908e3957
K. Darda,	Value attributed	R Soc Open Sci	2023	10	2	220915	Ai, archives, artificial	applications and domains that have received investment. © The Author(s), 2023. Published by Cambridge University Press.	10.1098/rsos.220915	b079c2713d
Carre, M., Cross, E.	to text-based archives generated by artificial intelligence						intelligence, journalism, natural language generation, value	potential, ethical challenges arise such as being used as a tool for misinformation. It is necessary to understand both how these tests are generated from an algorithmic point of view, and how they are evaluated by a general address. In this study, our aim was to investigate how people react to tests generated algorithmically, whether they are indistinguishable from original/human- generated tosts, and the value people asystem test study. Signal test-based archives, and test-based archives generated by artificial intelligence (A)I, findings from our pregnstered study (N = 223) revealed that people were more likely to preserve original archives compared with Algemented actives. Although participants were unable to accuritely doinguish between Al- gemented and original archives, participants asagened lower value to archive they categorized an Algemented compared with these they categorized as original. Repels Jugements of value were also influenced by their attutues constant. Jeople were finding provide a richer understanding of how the emergent practice of automate that categorized and Al. These findings provide a richer understanding of how the emergent practice of automate that categorized and all these the practices of automated and an elevations. All hows and participants and the advection all these the and value of Al-based applications and and watter, and have implications for how reader's attitudes toward Al affect. The use and value of Al-based applications and creations.		
	 Editorial: Highlights in digital mental health 2021/22 	Frontiers in Digital Health	2023	4			chatbot, COVID-19, depression, engagement, meta-analysis, older adults, social isolation, telemental health (TMH)		10.3389/fdgth.2022.1093375	https://www.scopus.com/inward/record.uri?eid=2- s2.0- 85147232835&doi=10.3389%2ffdgth.2022.109337 5&partnerID=40&md5=a22f6426023f2b21f934855f 3a6a3978
T. De Sarkar	Implementing robotics in library services	Library Hi Tech News	2023	40	1	08. Dez		Purpose: The main purpose of this paper is to explore how robots are being used in the library to transform library services and what are the future possibilities of application of robots in libraries. Design/methodiogy/approach: Analyzing various library websites and consuming literature relation to the use of robots in libraries, the current application of robots in libraries the enumerated. Findings: With the practical examples of libraries using different types of robots, this study summarizes diverse activities of artificial intelligence-mediate robots: managing the webl, controlling (curdiant) worklow. This paper highlights how the introduction of robots in libraries improves the service productivity and certaines a more engaging environment with the user group. The benefits and challenges of using robots in the library and the future possibilities are also discussed. © 2022, Enreald Publishon limited.	10.1108/LHTN-11-2022-0123	https://www.scopus.com/inward/record.uri?eid=2- s1.063143300758&doi=10.1089/21(HTN-11-2022- 0122&BaptriterD=04&dmd5=71eece5a8776af907e98 05c1d3345db1
S. Demir, Oktem, S.	dataset for	Computer Speech and Language	2023	77			systems, Recurrent neural networks, Benchmark datasets, High quality, Learn+,	In the last decades, data-to-text (D2T) systems that directly learn from data have gained a lot of attention in natural language generation. These systems need data with high quality and large volume, but unfortunately some natural languages saffer from the lack of reality available generation datasets. This article describes our efforts to create a new Turkin blattater (Fro.2T) that consists of meaning representation and reference sentence pairs without fine-grained word alignments. We utilite Turkink web records and existing datasets in their languages for producing meaning representations and collect reference sentences by crowdsourcing native geakers. We particularly focus on the generation of single-entence biographes and driing venue descriptions. In order on Intel Atta-RI. To the best of our knowledge, this work is the first of its kind that provides preliminary findings and lesions learned from the restart of a new Turkih 2DT dataset. Moreover, our work is the first extensive study that presents generation performances of transformer and recurrent neural network-models from meaning representations in this morphologically-indu language. @ 2022 Elsevier Ltd	10.1016/j.cd/2022.101433	http://www.scopus.com/Inward/record uni?eid=2- 320- 531348499078.doi-10.10165421,csl.2022.1014338 partnerlD=08md5-7b002.d046389df4507c13e332 3700006
D. Dippold	"Can I have the scan on Tuesday?" User repair in interaction with a task-oriented chatbot and the question of communication skills for AI	Journal of Pragmatics	2023	204		21-32		Repair describes the process through which participants in conversation address problems in speaking, understanding, and hearing, in interactions with Al-driven draftabits, user repair addresses draftabits lack of understanding or misunderstanding of the user's intern. This paper represents a user-centred description of user repair strategies in interactions with a task-oriented chattot. It is based on the analysis of simulated user interactions with a chattot facilitating health appointment bookings. The analysis shows that the repair strategies which uses draw on our Drequeth I(e.g., reprinsing) are on tacessivily the ons which prompt the bot to correctly recognise intent and provide relevant response, whereas the less frequently used sid-frequent strategies (e.g. relating the intent) are mouscusful an advision (inter recognition. This augest that here used interaction with conversational AI need to be made explicit to users as they lack familiarity with the context, limitations and patterning of interactions facilitated through AI. © 2022 The Author(s)	10.1016/j.pragma.2022.12.004	https://www.scopus.com/inward/record.ui/Teid=2- 32-0- 32-381447623618.doi=10.1016%2fj.gragma.2022.32.0 D48.partner/D=08.md5=818/16409e0b49022e073 bb/f380008
C. Diwan, Srinivasa, S., Suri, G., Agarwal, S., Ram, P.		Computers and Education: Artificial Intelligence	2023	4			pathways, Definition generation, Educational content generation, Language	Beating learner engagement is a major challenge in online learning environments, which is even more intensified with learning space increasity built by containing resources. Them nulleip independents outcres. Narrative exercit learning experience has been found to improve learner engagement by surveal reserchers. Towards this null, we propose an A-based approach that generates auxiliary learning context callen an arrative fragments which is not interposed in the learning pathways to create interactive learning pathway segments and relation quieties of formatia easients from learning resources in any format including open educational resources. The popeline for the generation of two types of marative fragments: divide a divide containing pathway segments and relation quieties of mortal easiesements from learning persources in any format including open educational resources. The poleine for the generation of two for any format contains the divide and anguge model dir71. (Generative Privationel Tandorismic 2). Automation enables the persources in some services and the learning pathway segment approach is domain anguates, personalise howed are generative formation enables the personalise transfer the services. The proposed approach to any formation enables the approach is domain anguates which makes it easily adpatable to different foronins. The NG model is evaluated using ROUGE scores against services baselines. Automationing generated an article fragments are evaluated by human evaluators. We obtained encouraging results in both cases. @ 2022 The Authors	10.1016/j.caeai.2022.100110	http://www.scopa.com/inward/record.unTeid=2: 2-0- 85143972208.doi-10.1016%2fj.cseni.2022.10011 08.partnerit-9408md5-5f321.se8acc53f97ccbfdDc cf86249
	The Transparency of Science with ChatGPT and the Emerging Artificial Intelligence Language Models: Where Should Medical Journals Stand?	Acta Med Port	2023				Artificial Intelligence, Authorship, Ethics, Publishing, Research, Science/ethics		10.20344/amp.19694	
G. Dosovitsky, Bunge, E.	Development of a chatbot for depression: adolescent perceptions and recommendation s	Child Adolesc Ment Health	2023	28	1	124-127	Adult, Humans, Adolescent, "Depression/therapy, Communication, Mental Disorders, Mental Health, Disorders, Mental Health, Dehavioral activation, conversational activation, conversational agent, depression, digital intervention	BACKGRDUND: Chathots are a relatively new technology that has shown promising outcomes for mental health symptoms in adults, however, few studies have been dow with addetscents or reported addetscent user experiences and recommendations for chathot development. MICHTODS: Twenty there participants are particle addetscents user experience sensitives of a table of the studies of	10.1111/camh.12627	
	Chatbots Using Artificial	European Journal of Molecular and Clinical Medicine	2023	10		3127- 3134	intelligence, chatbot, human, human experiment, machine	Artificial Machine intelligence is a very complicated topic. It involves creating machines that are capable of simulating involveloge. This paper examines some of the latest A patterns and activities and then provides alternative theory of change in some of the popular and widely accepted positilates of todds, sales of basic AL (Liftical intelligencis) structuring and working for this, Spatem-Chattocks are made (or chatter bost). The paper shows that AL is ever improving. The paper comes under a major Domain of AL. It also has as audio mains a machine learning, Decause machine learning algorithm suid in this space. The scope of this paper is to show the closest match of the input which is provided by the customer. It interacts with a customer until the oustomer energies get solved. It is used in the business which pupers. Nature all anguage Processing, allowing users to communicate with college interactive agent using natural language input and to train interactive agent using appropriate Machine Learning methods to it will be abt generate a response. There are numerus applications that are incorporating human appearance and intending to simulate human duida, yet in most part of the cases knowledge of interactive agent is is solved in a database created by a human expert.		http://www.embaue.com/rearch/results?subaction =viewrecord&id=12022369750&from=export
	Analysis of large- language model versus human performance for genetics questions	medRxiv	2023					Large-language models like ChatGPT have recently received a great deal of attention. To assess ChatGPT in the field of genetics, we compared its performance to human respondents in answering genetic questions (involving 13,56 response) that had been posted on social media platforms strating in 2021. Overall, CLASTOF of one perform significantly different than human respondents, but did significantly better on memorization-type questions versus critical thinking questions, frequently provided different answers when asked questions multiple times, and provided plausible explanations for both correct and incorrect answers.	10.1101/2023.01.27.23285115	
E. Durall Gazulla, Martins, L, Fernández- Ferrer, M.	Designing learning technology collaboratively: Analysis of a chatbot co- design	Educ Inf Technol (Dordr)	2023	28	1	109-134	Action research, Chatbot, Collaborative design, Conversational Interface, Learning technology, Technology-mhanced learning	caliabomine design approaches have been increasingly adoptet in the design of learning technologies since they contribute to develop netagogically incluiva end appropriate learning degrad. Despite the positive respection of onliberative design processes using a collabomine approach. In this paper, we design be needed to a characteristic design processes using a collabomine approach. In this paper, we design be needed to a characteristic design of processes using a collabomine approach. In this paper, we design be characteristic approaches and the collabomine approach. In this paper, we design de patient for earlier approaches and the collabomine approach. In this paper, we design de patient for earlier and working we take the design process of EUDguid charbot, which includes sincer earliers from questionnais and workingow with tutkents and externers, as well as intermediary design objects. Based on the qualitative analysis, we identify several challenges that are transversil to the col-gering work, as well as sepicit to the design paties. We citically related on the strategies designed to accesses and how they relate to decision-making processes. Applicitative processes of the collabomines and workingow applications and working earlies as learning technology in general. SUPPENENTARY INFORMATION: The online version contains supplementary material available at 10.1007/s10639-022-11182-w.	10.1007/s10639-022-11162-w	

Ressberg, I. I., Brandtzaeg,, P. B., Skjuve, M., Haavet, O. R., Følstad, A., Klovning, A.			2023	613	7944		Adaptation, Psychological,	BACKGROUND: Depression is common during adolescence. Early intervention can prevent it from developing into more progresses mentral disorders. Combining information technology and clinical psychoducation is a promising way to intervene at a mailer stage, however, data driven escarch on the complicit response to beatly information targeting addecscents' application specific and an adversaria. Development of the stage stage stage and the stage stage and the stage addecscents' application specific and adversaria and the stage stage stage stage stage stage stage and beat development information technology, such as dubtos, in addition to dinical therapositic tools for use in general parcice. METHODS: The data set consist of 120 depression-method questions particle and packness in an guing transformation service. More the stage and the stage st	10.2196/37289 10.1038//41586-023-00056-7	
	scientists						Authorship/standards, *Research Report/standards, Machine learning, Mathematics and computing, Publishing			
G. A Entenberg, Mizrahi, S., Walker, H., Aghakhani, S., Mostovoy, K., Carre, N., Marshall, Z., Dosovitsky, G., Benfixa, D., Rousseau, A., Lin, G., Bunge, E. L.	micro- intervention for parents: Meaningful engagement, learning, and	Front Psychiatry	2023	14		1080770	A), artificial intelligence, chatbot, efficacy, intervention, learning, parenting, commercial or financial relationships that could be constructed as a potential, conflict of interest.	INTRODUCION: Mental health issues have been on the rise among children and addecents, and digital parenting organsa have shown promoting outcomes. However, there is imited research on the potential efficacy of utiliting datatos to promote parental adils. This study aimed to understand whether parents learn from a parenting chatbot mice intervention, to assess the overall efficacy of utiliting outcomes. However, there is an effect and activities and the study and the characteristics of the parential parents and use that least on original efficacy of utiliting outcomes. The outcomes are also also also also also also also also	10.3389/fpsyt.2023.1080770	
G. A. Entenberg, Dosovitsky, G., Aghakhani, S., Mostovoy, K., Carre, N., Marshall, Z., Benfica, D., Mizrahi, S., Testerman, A., Rousseau, A., Lin, G., Bunge, E. L.			2023	4			conversational agent,	Biodground: The use of chatbot to address mental health conditions have become increasingly popular in recent years. However, fex studies aimed to teak presenting skills through Attabots, and there are no reports on parental user experience. Nam: This study aimed to assess the user experience of a parenting chatbot micro intervention to teach how to praise inhibiter in a spanish-passing outry. Methods: A simple of 83 parentise we assigned to the Attabot micro intervention is a part of a randomized controlled trial study. Completion rates, engagement, satisfaction, net promoter score, and acceptability were analyzed. Results: 66.3 of the participants completed the intervention. Participants exchanged an average of 64.3 message (20 = 15.3), provided an average satisfaction score of 4.5 (50 – 57), and reported that they would recommend the chatbot to of 26 (50 – 64), biot chacking arobites and environmention of a study of 270 methods for exempt [ef = 4.75]. The study of the chacking arobitest of the intervention at a high rate, engaged with the chatbot, were satisfaction on the environment in to charling, and parent study. Chatbots have the potential to teach proves a study and would be average and the level of acceptability. Chatbots have the potential to teach proves the study and however research on the efficacy of purenting chatbot interventions is needed. 2023 Entenberg. Dosovitsky, Aghakhani, Mostowy, Carre, Marshall, Benfica, Mizrahi, Testerman, Rousseau, Lin and Burge.	10.3389/fdgth.2022.989022	https://www.scopu.com/inward/record.uri?eid=2- 12-0 85147015828&doi=10.3389K2ffdgth.2022.989022 AgortentP=0&doimd5=ff59a1d175f9e455s3c1d113 b560c466
Walker, H., Aghakhani, S., Mostovoy,	Meaningful engagement, learning, and	FRONTIERS IN PSYCHIATRY	2023	14			intelligence, learning, efficacy, intervention, AI, EXTERNALIZING BEHAVIOR PROBLEMS, MENTAL-HEALTH PROBLEMS, DISRUPTIVE BEHAVIORS, CHILDREN, METAANALYSIS,	Introduction/Mental health issues have been on the rise among children and adolescents, and digital parenting programs have shown proming outcomes. However, there is limited research on the potential efficacy of utiling chaltobs to promote parental skills. This duply among to understand whether parents laten from a parential global (mole chaltob are possible overall efficacy of the intervention, and to explore the user characteristics of the participants, including parental barry, the sumptions about parenting, and valuative engagement with the chaltob. Method Sampie of 270 parents with at least one chalt between 2-11 years of were recursed. A randomized control trial was conducted. Participants, in the experimental group accessed a 15-min intervention mate usation being in the chaltob. Method Sampie of 270 parents with at least one chalter therewise in the intervention on the sample hour of utilize possible statetistics and provide possible. The parent chalter here were noticed on a watering list. Resultable. Showed that participants engaged with a ther chalter have been sample and the same effective parents parts about the participant engaged with a the paraising state chalter intervention mater water being effective parents parais between the same parent barry barry there were no significant differences by conditions (no in the paraising blob. Although one- , biocassion free ends parental singht to understand how parents engaged with the chaltob and suggests that, in general, being disclus disclus disclus thereautions change in parents. Further research implications on shalbots for parenting skills are discussed.	10.3389/fpsyt.2023.1080770	
Tomsone, S., Větra, A., Běrziņa, G.	experience using digital therapy "Vigo" for stroke patient recovery: a qualitative descriptive study		2023	18	2	175-184	Outcome Assessment, Stroke, digital therapeutic, qualitative study, rehabilitation	digital assistant to a stroke patient and his family. Whit is conversational chabits and gamification elements it conversi- educates, and trains the stroke patient and applients? family on article, rehabilitation, care, and other relatest issues. AMI: This study describes insights about the digital assistant "Vigo" usability from a patient's perspective. NETHODS: Twelve patients teated the application at their home environment. Three same "structured interviews were conducted with the chaptartizpant to obtain information on the usability of the application. Deductive thematic analyses were used to analyze trancripts. RSULTS: Participants expressed their opinions on music, patients, views and adio files, cho to protons, layout, etc., nume of application and stant that is used for placement of devices on which "Vigo" is installed on. All participants generally evaluated application as transpirent, indexistande): and home, The overall design of the application wards as good. Participants vere mostly unstatified with difficulty level and diversity of exercises. CONCUSIONS: Fancity, etc., strokes, strong educational information and increase participants in therapeutic attribute. Implications for the abilitation Table application can support, give description information, and increase participants in therapeutic attribute for persons after stroke. A hom- based rehabilitation tool, the content of the application must be simple, flexible, and diverse, to face the challenges of meeting each individual's goals, functional abilities.	10.1080/17483107.2020.1839794	
H. Fan, Gao, W., Han, B.		Journal of Business Research	2023	156			process models, Polynomial	Whether AI chathots improve smart experiences and generate revenue is an under-researched poly winestigating and comparing the effects of the full range of chathot subdictentity on smart experiences. Using empirical data from 1,026 customers, the results indicate that chatbot antibidetentity of smart experiences in abiditestrity benefits smart experiences and customer patrones, while service-asis and bestering is detrimental to the creation of smart experiences. Furthermore, high service-low sales (vs low service-high sales) ambidetentity of service- high service-high scales and service service-low sales (vs low service-high sales) ambidetentity of service- high scales (vs low service-high service-low sales (vs low service-high sales) ambidetentity is desting-high neutrity and low existing-high new product selling ambidetentity outperform high efficiency-low flexibility and high existing-low new lither and customers and service high service-how sales (vs low service-high selling high new low high selling high new low high existing-low new lither contributes to the literature on smart experimences and chathot ambidetentity and provides finalful and meaninghui guidance for service providers regarding the deployment of AI chathots in the frontline interface. D 2022 Elsevier Inc.	10.1016/j.jbusres.2022.113526	https://www.scopu.com/inward/record.uri?eid=2- 12-0 8514561191840ei=10.10166/67,jbusres_2022.1135 268partner/10-408md5-b16664c40fedz/276bf141 d10ff05e
T., Liu, J., Zhao, T., Zhang, B., Chen, Z., Glorioso, M.,	How well can an Al chatbot infer personality? Examining psychometric properties of machine-inferred personality scores	J Appl Psychol	2023					The present study explores the plausibility of messuring personality indirectly through an artificial intelligence (AI) chatbot. This diabot in miss virus total affectures from user free text responses collected during an online convension/interview and them uses machine learning algorithms to infer personality scores. We comprehensively examine the psychometric properties of the machine-inference personality scores, used to the score convention of the score and the score and convention and exploration of the score and the score convention of the score and provide and engineering and exploration of the score convention of the score and (MP-300) and engaged with an A chatbot for approximately 20-30 min in a subsample (n = 407), we obtained participants' convaniative gade post average from the University in the United States who completes their collage algorithms. In all orient laces and the score and the score correlative score and the score person score the score convention of the personality scores. If a score correlations = 35 in the test structure to self-reported posttomarie devices of personality scores. A score correlations = 35 in the test sample, (d) showed low criterion-related validity, and (d) exhibits incremental validity or score correlations are discussed. (Psychino Database Record (c) 2023 APA, all rights reserved).	10.1037/spi0001082	

Furelau, P., Doumard, E., Ferrier, A., Boxch, L., Ba, C., Menut, R., Kurrek, M., Geeraerts, T., Piau, A., Minville, V.	Risk Assessment of Patients Using the MyRISK Digital Score Completed Before the Preanesthetic Consultation: Prospective Observational Study	JMR Perioper Med	2023	6			phone, perioperative risk,	BACKGRUIND: The organize COVID-19 pandemic has highlighted the potential of digital health solutions to adopt the organization of care in a crisic context. OBECTIVE: Our aim was to describe the relationship between the MyRGK score, derived from self-sported fails collected by a classible before the presentative complicationship between the MyRGK score, derived from self-sported fails collected by a classible before the presentative complications. METHODS: This was a single-center prospective observational study that included 401 patients. The 16 items composing the MyRGK score was estected using the Delph method. An algorithm was used to straticly present with how (green), intermediate (orange), and high (red) risk. The primary end point concerned postoperative complications scoring in the first 6 month after surger (composite) certenion.) collected by telephone and toy countiling the electronic medical database. A logistic regression analysis was carried out to identify the explanatory variables associated with the complications. Amethice learning model was patientis analysic of the primary end point context and patients classified as green or red to reclassify individuals classified as conge as either modified green or modified red. User astistation and usability were assessed. RSUIS: Ot the 38 patientis analysic for the primary end point colds ratio 15.9, 595 x Cl 3-2-32, P-CDO). A modified red score was sindpendently associated with the stoperative complications (dosf ratio 12.8, 502, Cl 3-2-13, 2), P-CDO). A modified red score was strating could and system usability testem endina scores were 8.0 (DR 7.0-2.0) to with the specific value (SPK) digital perpresent expeciations. Usa 20, 902, Di and 15.0, 014, 82.5-50, 014 of 100, respecively, COULSUNOS: The MyRING digital perpresent explanation relations and shall the mediate instruction could be used to objectively refer patients with how risk to teleconsultation.	10.2196/33044	
Gosak, L., Štiglic, G., Picard, C. T., John Douma, M.	Pass the Life Support Exams without Entering the American Heart Association Course?						model, advance cardiavascular life support, artificial intelligence, basic life support, educational assessment			
Gabrielson, Odisho, A. Y., Canes, D.	Generative AI to	J Urol	2023				administrative efficiency, artificial intelligence		10.1097/ju.000000000003383	
Dligach, D., Miller, T., Caskey, J.,	Diagnostic Reasoning Benchmark for Clinical Natural Language	J Biomed Inform	2023	138		104286	support, Clinical diagnostic reasoning, Clinical natural language processing benchmark, Natural language processing, competing financial interests or personal relationships that could have appeared, to influence the work reported in this paper.	The meaningful use of electronic health records (ERR) continues to progress in the digital era with clinical decision support systems agreened by strilical intelligence. A priority in improving provider septemies is to overceine intermation overbaad and reduce the cognitive burden so fewer medical errors and cognitive balaes are introduced during patient care. One major type of medical error is diagnosis: crite ordic to systematic or predicable errors in judgement that rely on hearistics. The potential for clinical natural language processing (XHP) to model diagnostic reasoning in humans with forward reasoning from data to diagnosis and optical systematic or predicable errors in judgement that rely on hearistics. The winnodeca names and optically related to a support of the source of the s	10.1016/j.jb.2023.104286	
Gesselman, Kaufman, E. M., Marcotte, A. S., Reynolds, T. A., Garcia, J. R.	with Emerging Forms of Sextech: Demographic Correlates from a National Sample of Adults in the United States	J Sex Res	2023	60			States, Female, "Sexual Behavior, "Sexual and Gender Minorities, Erotica, Internet, Demography	Social technology is new-enabling, and increasingly offers novel domains for sexual experiences. In the current study, we investigated demographic correlates of engagement with energing forms of stacks/ defines here as internet-shared applications, platforms, or devices used for sexual plasaure. Our web-based, demographically representative sample included 73.21 American adults aged 18-65 years, with a new-ever generative flat enformed and moderate racial diversity (GIS White). Participants indicated their engagement with engine transfer sections of stacks at factorology (visiting erotic camping sites, participanting in camming stream, itselfablicus, escales) visital generation and another activation sexual peoplet wide games, and sexual messaging with chatbots or artificially intelligent entities) as well as two more common domains (uning nongersphr, advance) and escales. Participants who were yoanger were may had fight formous and another sexual minimies reported more frequent engagement with all forms of stacks assessed. Unlike proti on no promorganyh, advanter, camming users, participants with an eartering assess (13) have reliably common formations reported more frequent engagement with all forms of stacks assessed. Unlike proti on no promorganyh, advanter, camming users, [15] and palying escales assessed. Strenger (15) and engings may conclusive to the destignatization of sextech engagement and forecast future norms in technologically-facilitated sexual behavior.	10.1080/00224499.2021.2007521	
	Empowerment	Postdigital Science and Education	2023	5	1	77-99	Automated teaching, Automation, Posthumanism	This paper problematises the way that the power of the automated teacher is understood by arguing that the question of power is not a humanistic on concerned with humanis technology oppositions, but arten; I can be understood as a positivani question, concerned with automated teaching as an ethically regulated process. Research has largely giored the policial aspect of these cover stills of power from humans to technology. This paper reports to a sharbot that was developed to co- teach with a human teacher at JU Lumversity. 'Hour the teacherbot inhose positivanian critical theory which heigh to advant the state of the average still and the state of the state of the state of the state of the state with height to a somewhat whimsical juncture, where flors remixes the story, that flors' quential capacity as a co-subor is encountered. Through but inter-stated matching at the story, that flors' quential capacity as a co-subor is encountered. Through but inter-stated matching at the story, where flors remixes the story, that flors' direct and they are acknowledged, it is possible to understand authority as somemers, student expression of adequate understandings around the treat/cites and the critical and authority as somemers, taken expression of adequate understanding around authority as somemers, taken expression of adequate understandings around authority as somemers, student expression of adequate understandings around the treat/cites and the story moments, student expression of adequate understandings around the treat/cites and there are advanting direct than authority as sometimes of the story and exercision of adequate understandings around authority as sometimes to the reportion of adequate understandings around authority as sometimes to the constraint encounter with freedom. ® 2022, The Author(s), under exclusive licence to Springer Nature Switzerland AG.		https://www.scopuc.com/inward/record.uri?eid-2- 22.05341660657460-100075/4124438-022- 00346- SygartnerID-408.md5=dd5689b3e8604621/s19d77 6722156beb
Safranek, C. W., Huang, T., Socrates, V., Chi, L., Taylor, R. A., Chartash, D.	How Does ChatGPT Perform on the United States Medical Licensing Examination? The Implications of Large Language Models for Medical Education and Knowledge Assessment	JMIR Med Educ	2023	9		e45312	artificial intelligence, chatbot, conversational agent, education technology, generative pre-trained transformer, mackine learning, medical education, natural language processing	BACKROUND: Chat Generative Pre-trained Transformer (ChatGPT) is a 175-billion-parameter natural language processing model that can generate conversation-skyle response to user input. OBECIVE: This study almed to evaluate the performance of DACGPT on questions within the scope of the Linded Sale Media Generating Canadian Sale Ta Sale Sale Sale Sale performance, each with questions pertaining to Srep 1 and Step 2. The first six sole sinced from AM40055, a commonly used question basis for medical adurbats, which also provides statistics on question difficulty and the performance on scope statistics of the scope statistic metrics (SQL) and Step 2. The first six scope statistics of the scope statistics of the scope statistics of the scope statistic scope statistics of the scope statistic	10.2196/45312	
Gonzalez- Gonzalez, Munoz-Cruz, V., Toledo-	Personalized Gamification for Learning: A Reactive Chatbot Architecture Proposal	SENSORS	2023	23	1		gamification, chatbots, personalization, game learning analytics, user modeling, EDUCATION,	A key factor for successfully implementing gamilied learning platforms is making students interact with the system from multiple digital platforms. Learning platforms that try to accomplish all their dejectives by concentrating all the interactions from users with them are lear diffective than initially believed. Uncoreasization but so are disa subtom for corea, platform users interaction. In this paper, an open student-player model is presented. The model includes the use of machine learning tetrahings for online adaptation. Then, an architecture for the subtom is described, including the open model. Finally, the chatbot design is addressed. The chatbot architecture ensures that its reactive nature fits into our defined architecture. The approach's implementation and validation aim to create a tool to encourage kids to practice multiplication tables playfully.	10.3390/s23010545	
Mora, Barros, C., Garrigós, I., Zubcoff, J.,	interactivity and natural language	Standards and	2023	83			Natural language processing, OpenAPI documentation, Web API, Application programming interfaces (API), Open Data, Reusability, Applications programming interfaces, Data web, Data-source, Interactivity, Open datum, WEB application, Web application programming	Widely adoption of Information Technologies has resulted in the continuous growing of open data available on the Web. Nowever, the lack of suttable mechanisms to understand open data sources havings its resultivity. One way to ovecrome this institution are presented with the Area Method in Sources (1974) and inports downmetric care, meaning the presented in the Sources of the Area Method in Sources (1974) and inports downmetric lice investments to institute the presented of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and inport of the Area Method in Sources (1974) and an available interactive by making it available as a Web interface (1974) and generality (1974) and an available of a Area Area Method in Area Area Area Area Area Area Area Area		https://www.scopus.com/inward/record.un?eid=2- 32.0 2019/2019/2019/2019/2019/2019/2019/2019/
Mora, Barros, C., Garrig, I., Zubcoff, J., Lloret, E.,	Improving open data web API documentation through interactivity and natural language generation	STANDARDS &	2023	83			language generation	Widely adoption of Information Technologies has resulted in the continuous growing of open data available on the Web. Notewers, the last of a simalable mechanisms to understand open data sources happens its resulability. One way to exercent their limitation is by means of Web Alps that access open data limits page proposes a novel approach to automatically generate interactive downmetation. Web Alps that access open data, this page proposes a novel approach to automatically generate interactive Web AlP documentation. Doth machine and user readable. This process at novel approach to automatically generate interactive Web AlP documentation of an AlP to dobain important information, automatically constructing Natural Language dencipations of the nail Web AlP. Al competibly applying that use language Processing (NLP), and specifically, language agreement to techniques. Then, the documentation is made interactive by mains a provide to infrance, offening associass to generation techniques. Then, therefore, the use and comprehension of the Web AlPs is facilitated, this promoting the resubability of open data. The feasibility of our approach is presented through a case study and an experiment with users, both showing the benefits of our approach.	10.1016/j.csi.2022.103657	

B. Gordijn, Have, H. T.	ChatGPT: evolution or	Med Health Care Philos	2023						10.1007/s11019-023-10136-0	
F. Graham	revolution? Daily briefing: ChatGPT listed	Nature	2023						10.1038/d41586-023-00188-w	
F. Graham	as author on research papers Daily briefing: Science urgently	Nature	2023						10.1038/d41586-023-00360-2	
	needs a plan for ChatGPT									
F. Graham	Daily briefing: The science underlying the Turkey–Syria earthquake	Nature	2023				Arab Republic, Turkey	The region sits between two maps faults and struggles with poor building standards in some areas. Plus, underdog technologies are gaining ground in the quantum-computing race and what ChatGPT and generative AI mean for science. [Figure not available: see fulltext.].	10.1038/d41586-023-00373-x	https://www.embase.com/search/results?subaction =viewrecord&id=L2021376530&/from=export, http://dx.doi.org/10.1038/d41586-023-00373-x
		Revista Electronica Educare	2023	27	1		induction virtual communities, social dimension	Objective To analyze the presence of the social dimension in the interactions of the hosting forums for new students at the UMED and to determine its implications in the design of a distribution for initial discutation aguidance. Methodology. The presence of the social dimension in the interactions that took place in the virtual induction forums during the 203/2020 academic year was analyzed and coefficies, specifically in the technical support from, the orientation forum, and the metanting forum in free difference of the social dimension in the interactions of the degrees of the social of 570 people, to which the tacgivation interpool of braute et al. (1999) was applied deductively. Analysis of routils. The data were processed with the help of computer-assisted gualitative data analysis software. Conclusions, it would be advisable for the imisal education guidance chinktor to how affect by expension emotions. The would be advisable for the messages sent by the users, and to be cohesive by including greetings, encouragement, and vocatives. © 2023 Authors. All regists reserved.	10.15359/ree.27-1.15844	http://www.scopc.com/inves/record.ur/Reid-2 21-0531645980660101333597Hce2-7- 1.158448.purtnert0=008.md5-5c9dfdbf071815c9f8 d10388.cd3b2c0
	Towards a deep learning based contextual chat bot for preventing depression in young children with autistic spectrum disorder	Smart Health	2023	27			autism, chatbot, child, child psychiatry, deep learning, depression, female, human, machine learning, male, prevention	Autism is a neurodeviponential disorder of biological origin that occurs early in children. It includes a range of capithe features of very variable intensity, autism full offer have neuroge characteristics, touling officialities in obsili interactors and communication with others, bui also limited or regetitive behaviours, activities and interests. Because of these particular charac- teristics, the management of autism disorder remains a difficult and testious task that requires the use of innovative therapeuti- methods adgeted to the context of this disease. In this context, we focused on the implementation of an intelligent system for the assistance and accompaniement of autism chickers. They are used on a third in intelligent system for the assistance and accompaniement of autism chickers. They are used on a third in intelligent system for the assistance and accompaniement of autism chickers. The system we propose is absolute that providing an on-human companion tool will help the child and those and recommenditos. We believe that providing an on-human companion tool will help the child and those around him or her to understand the disease and this help prevent depression. In this paper we propose a dediated modeling of this system, followed by an experimentation in order to test its performances and prove the applicability of this approach. The results obtained are very promising and open the way for the improvement and expansion of this system.	10.1016/j.smhl2022.100371	http://www.embase.com/area/tr/mult/Toubation wiewerowratikii.com/200533358/mm-eeport, http://dx.doi.org/10.1016/j.smbil.2022.100371
J. E Hallsworth, Udaondo, Z., Pedros-Alió, C., Höfer, J., Benison, K. C., Lloyd, K. G., Cordero, R. J. B., de Campos, C. B. L., Yakimov, M. M., Amils, R.		Microb Biotechnol	2023					Practical regeriments drive important scientific discoveris in biology, but theory-based reasers studies also contribute novel- sometimes paraling approximate theory was paraise the relies of theory-based genocates focusing on the experimen- dominate wet-biology research areas of microbial growth and survival, cell physiology, host pathogen interactions, and competitive or synthetic interactions. Additional examples relates to analyses of genome-sequence data, Linnate change and planetary health, babitability, and surcibiology. We assess the importance of thought at each step of the research process, the relies of antural planetary health, babitability, and surcibiology. The sases the importance of thought at each step of the research process, the relies of natural planetary health, babitability, and surcibiology. The sases the importance of thought at each step of the research process, the relies of natural planetary health, babitability, and surcibiology. We assess the importance of thought at each step of the relievance in the origing control scientifical process or use of the same of the monetry including the development of techniques for practical experimentation or fieldwork. We planging the intrinsic single and magnetics and babitability or research that increases over planes a submed using fulnetion monetry including the development of techniques for practical experimentation or fieldwork. We planging the intrinsic single and the species of another planeting to research that in the origing control scientifical process based sciences in the product single shared and species of another planeting to research that in non-maintenam, and the importance of three based sciences in education and epistemology. Horenson we triefly highlight classic works (those by Dake Amer, Trancis H.C. Crick and almes D. Waston, Charles R. Dawin, Albert titterink, mess Li ubook, them induces areas and the instead of the anter of the scientifical process and the high-scientifical process and the high-scient thas and and handy we	10.1111/1751-7915.14222	
Watanabe, O., Shiga, K., Fujishita, M., Yamaki, C., Ogo, Y., Takahashi, T., Ikeguchi, Y.,	resolving cancer patients' questions and concerns: Analysis of 100		2023	106			and Consultation, "Breast Neoplasms, Telephone, Communication, Breast neoplasms, Chatbots, Conversational agent, Medical informatics, Patient navigation, competing financial interests or personal relationships that could have	BBIECTIVE: This study was conducted to investigate the types of conversational agents (CA) that can help address questions and concerns ("By topics") [LTI]). MTIDDS: We analyzed audio recordings of telephone consultations with 100 breast cancer patients and ther families. (1) we definite the content and mode of paression of 11% stoud breast cancer readers and unit relations. (2) we checked for the presence of due information (C) that can help patients are ther families. (1) we be there cancer and there are present to 12.5 de to 11% of 10%	10.1016/j.pec.2022.10.004	
Huang, W.,	Using chatbots to support student goal setting and social presence in fully online activities: learner engagement and perceptions	J Comput High Educ	2023	35	1	40-68	education, Online learning, Social presence	Although halfy online learning is now the 'new normal' in many parts of the world, its implementation is often beset by challenges such as the lack of student self-regulation, and the sense of isolation. In this paper, we explored the use of chalabots to support student gale streting (Study 1) and social presence (Study 1) an entitie activities. It subt 1 participants in a Multi entity of the streting (Study 1) and social presence (Study 1) and entities explored the use of chalabots and participants with file questions developed the streting of the streting with the chalabots. Streting of the streting from of previous of interacting with the chalabots. The streting behaviore and the streting of the streti	10.1007/s12528-022-09338×	
N. T. B., Mantello, P., Ho, M. T.,	Understanding the acceptance of emotional artificial intelligence in healthcare system. A cross- sectional survey of clinic vistors' attitude		2023	72			intelligence (AI), Emotional AI (EA), Japan, Japanese elderly patients, Behavioral researchy hopplation, Health care, Hopptals, Learning systems, Linear regression, Aging population, Artificial intelligence in healthcare, Artificial Intelligence Artificial Intelligence	Despite howing one of the most advanced healthcare systems in the worki, Jugan II. expected to asymption: a aborage of nearly hild a million healthcare working by 2023 then 15 m spidy any grapulation. In reported to asymption: a given to implement a workin range of Airliven healthcare sublicion. These incluids care robets that assist the physically handcargod or defery, chattes that provide anonymous online merital health incluids care robets that assist the physically handcargod or defery, chattes that provide anonymous online merital health incluids care robets that assist the physically handcargod or defery, chattes that provide anonymous online merital health incluids care robets that assist the physically handcargod or system is a title booms but merging meritan band to theory the physical systems trained to end, clussify, and respond to human emotions. These technologies are being sold on a commercial level not only to the public but also to intelligent machine smy seem like a logical step in a country well-known for tis long-training affection toward robots, in the realm of medical care. In order to gauge Japanese acceptance of emotion-sensing technology, we analyze a dataset of 23 structs to clinics and hopatials in a typical sububan area in Japan using multiple linear regression. The results show that in general, sincing and male patients perceive the emotional Ai technology more englively. For behavioral variables, patients free for losing control (abs has negative correlations with the attituder' variables, patient setting (Bouring control (abs has negative correlations with thus etitized (Bouring Control absched)—10, path (2001), while concern for losing control (abs has negative correlations with the attituder' variables, patient setting (Bouring Control (absched)—10, 232, 2002), and public emits of the sold of the respits (bouring control in the sold of the robed control and shift for days and discrimination are non-significant correlatios, withic contradic the emits on the subgect. We further con	10.1016/j.techtoc.2022.102166	http://www.scopus.com/inward/record uniTeld-2: 1-0. 551143899008doi-10.1016%2fj.techuse.2022.1021 658,partner10-208md5-d00169803188b116911339 47ef2efea5
Keiblinger, K., Holub, P.,	AI for life: Trends in artificial intelligence for biotechnology	N Biotechnol	2023	74			Biotechnology, Deep Learning, Digital Transformation, Machine Learning, of interests.	Due to powlar accesse (e.g., COMGPT) Artificial intelligence (AI) is one evenyes' lips today. When advances in hostochnology arobites and contributes to important summahaire development could control samples include from Security labels and whileheing. Clean Marker, Clean Tenerg, Repossible Consumption and Powlary manage forests, contast descriftication, and hut and reserve land genomes and any structure summahaire security loss. All software samples includes from Security labels and whileheing. Clean Marker, Clean Tenerg, Repossible Consumption and Postchronic Teners and exertification, and hut and reverse land degradation and hait todarest loss. All softwares in the list security labels and a wide range from machine learning and Big Data analytics, knowledge discovery and data mining, biometical ontologies, knowledge based reasoning, natural language processing, decision support and reasoning under uncertainty, temport and spatial regreentation and inference, and methodological aspects of explainable AI (DAI) with applications of biotechnology. In this pre-Editorial paper, we provide an overview of oper reaser his use and challenges for each of the topics addressed in this special issue. Potential authors can directly use this as a guideline for developing their paper.	10.1016/j.mbt.2023.02.001	
J. Hsu	Should schools ban AI chatbots?	NEW SCIENTIST	2023	246	3422	15-15				
T. C. Hsu, Huang, H. L., Hwang, G. J., Chen, M. S.	Incorporating an Expert Decision-	EDUCATIONAL TECHNOLOGY & SOCIETY	2023	26	1		Education, Expert knowledge, Decision tree, Chatbot, Interactive learning system, ARTIFICIAL-INTELLIGENCE, PRECISION EDUCATION, LEARNING ANALYTICS, AI, SYSTEM, PERSPECTIVES, SKILLS, MAP	In traditional instruction, teaching agenrally deliver the content of textbook to studients via textures, making teaching aptivities lastikations, Morecure, in such a onder comen teaching mode, the teacher is usually unable to check on individual students' learning status or to provide in moderate feedback to rescher their learning problems. Chathots provide in apportunity to address this profilem. Netweer, conventional chathots generally areas as informations provides (i.e., provide a napportunity to address this profilem. Netweer, conventional chathots generally areas as informations are negret relation- mation by matching keywords in a conversation) rather than as decision-making advicus (i.e., using a toxoledge-base with to facilitate individual students' construction of knowledge during the learning process. A quasi-reperiment was conducted to compare the differences in the performances and perception of Students using the expert decision making based chathot (Chu- chathot) and the conventional dathots (i.e., chathot) in the activities of a gengraphy course. One class of 35 students was the experimential process, the chathot. The other class of 35 students was the experimental process of the chathot. The other class of 35 students was the experimental process of the study showed that the CDM-chathot combined with expert decision-making anowledge significantly improved students' learning ablemement and learning enjoyment as well as reducing their learning anxiety, showing the value of the proposed approach:	10.30191/ETS.202301_26(1).0016	

J. Huang.	Using ChatGPT	J Diabetes Sci	2023			1.9E+16	artificial intelligence, chatbot,		10.1177/19322968231161095	
Yeung, A. M.,	to Predict the Future of		1015			1,52120	diabetes, diabetes technology, search		10.11/7/1551150251101055	
S. Huh	Are ChatGPT's	J Educ Eval Health Prof	2023	20		1	*Students, Medical, Artificial Intelligence, Educational measurement, Medical	This study aimed to compare the knowledge and interpretation ability of OntGPT, a language model of artificial general intelligence, with those of medical students in Kores by administrees to DATAGET and medical students. The examination constitute of 79 items and was administered to OLAGPT on January 1, 2023. The examination to both were analyzed in terms of OLAGPT's overlap deroformance cores, its correct anywer rate by the item's knowledge level, and the acceptability of its explanations of the items. ObaGPT's performance was lower than that of the medical students, and COLAGPT's correct answer rate was not related to the item's howedge level. Anower, there was a relations by acceptabile explanations and correct answers, in conclusion, ChaGPT's lanouledge and interpretation ability for this parasitology examination were not yet comparable to those of medical students in Korea.	10.3352/jeehp 2023.20.1	
S. Huh	Issues in the 3rd year of the COVID-19 pandemic, including computer-based testing, study design, ChatGPT, journal metrics, and appreciation to reviewers	J Educ Eval Health Prof	2023	20		5	Humans, *covid-19, Pandemics, Benchmarking, SARS-CoV-2, Peer Review, Research		10.3352/jeehp.2023.20.5	
Hwang, Shin, J., Seo, H., Im, J. S., Cho,	Neural Question	Applied Sciences (Switzerland)	2023	13	2		deep learning, ensemble algorithm, natural language processing, neural question generation	Deep laming chatbot reservich and development is exploding recently to offer customers in numerous industries personalized services. However, however, how and to create a laming dataset for a deep laming chatbot. In order to augment this, the idea of neural question generation (NGG) has evolved, althoghit has retrictions on how questions can be expressed in different ways and how as finited pacify of question generation. In this paper, we process an entember by PNG Gmodel based on the test-lot-test transfer transformer (TS). Through the proposed model, the number of generated questions for each single NGC model can be gravity increased by considering the mutual similarity and the guality of the questions unget the soft water method. For the training of the soft-voing algorithm, the evaluation score and mutual similarity sore weights based on the context and the question-missive (O) dataset are used as the threshold weight. Feromance comparison reals with exciting TS-based AQC models using the SOLAD 2.0 dataset demonstrate the effectiveness of the proposed method for QG. The implementation to the proposed method to sign. Thereindu dataset for excitent and the question-missive (O) dataset of the sign dataset mutual factor, including interactive charbots, robotic process automation (RPA), and internet of Things (er) services in the future. @ 2023 by the authors.	10.3390/app13020903	https://www.scopuc.com/nward/record.uri?eid=2- 12-0 851466772884oi=10.3390%2fap130209038part nerit=408md5=117aht/6d7fb49019cb402b6a28fcc 55
I. lancu, Iancu, B.	Interacting with chatbots later in life: A technology acceptance perspective in COVID-19 pandemic situation		2023	13				neroduction: Within the technological development path, datatots are considered an important too for economic and social entities to become one efficient and to develop outcome-creative specifications time thum to behavior. Although articlation intelligence is increasingly used, there is a lack of empirical studies that into understand commers' experience with datatos. Moreover, in a context characterized by constant population anging and in increased life-expecting, the way aging datatos precise technology becomes of great interest. However, based on the digital divide (unequal access to technology, involvegia, and rescurs), and inter oyoung adults (get between B and 34 years) of all ce considered to have greater affinity for technology most of the research is dedicated to their perception. The present paper investigates the way chatobs are percised by middles get and aging adults is denote between B and 34 years) or any has been conduct. The age range of the subjects is 40–73 years oid, sconvenence sampling technique being used (tr = 213). The tumeframe of the subjects and there is the comparison of the research, but the store of the research, a volume has a store conduct. The age range of the subjects is 40–73 years oid, a convenence used research or due to subject the difference and the store of the subject of the second or the store of the subject of the second or	10.3389/fpcyg.2022.1111003	https://www.scopus.com/nward/record.uri?eid=2- s2- 851471467484oi=10.338952/floyge_2022.111100 38partner0=560b58d2a22f19509d53b1 d05972aa0
Wong, P. Y.	implementation of chatbot- mediated immediacy for synchronous communication	Educ Inf Technol (Dordr)	2023			Jan 26	Chathot, Chemistry, Immediacy, Online Classes, Scafolding, synchronous Communication, relevant to the content of this anticle.	Low student engagement and motivation in online classes are well-known issues many universities frace, expecially with distance deciation during the COVID-19 pandemic. The online environment makes it even harder for tacknets to concert with their students through traditional vehal and nonverbal behaviours, further decreasing engagement. Yet, addressing such problems with 2/47 synchronous communication to every desmonting for dirative, Traditation and university and directiveness in a traditional vehale region and instructor immediacy techniques to determine its suitability and directiveness in a traditional vehale region and instructor immediacy techniques to determine this suitability and directiveness in a traditional vehale region and instructor immediacy techniques to determine the suitability and directiveness in a traditional vehale. The sense process by connecting with them on a relatively more humanike level. As part of the pilot taution in the development of this chabtod, qualitative interviews and eleven the analysis was there engloyed to considiate there findings. The enaits support the chabtod's ability to display usered communication immediaty techniques well, on any engagement provide technicassistic in the support provide technicas and proporting to subservice at any end of the day. Itsiving a provide technicasistic in develop communication immediaty mechanics in the chabtod's ability of softees well and communication immediaty to be questioned and the directive support technicas scattering and accuracy accomparied by a formework to develop communication immediaty mechanics in future chabtos. Our findings support the potential of this chabto, cance motified, to be used in similar comine starting. SUPPENENTARY INFORMATION: The online version contains supplementary meterial available at 10.1007/s10639-023-11602-1.	10.1007/510639-023-11602-1	
Yang, X.,	Make chatbots more adaptive: Dual pathways linking human- like cues and tailored response to trust in interactions with chatbots	Computers in Human Behavior	2023	138			Human-like cues, Tailored response, Task-technology fit, Trust, Al applications, Ambiguity tolerances, Chatbots, Human like, Human-	As one of the most popular Al applications, chalbots are creating new ways and value for businesses to interact with their customers, and their adoption and continued use will depend on user's trunt. However, due to the non-transparent of Ar-delated technology and the subbiguity of applications boundaries, it is difficult to determine which aspects enhances the adaptation of chalbots and how they interactively affect human trust. Based on the theory of task-technology fit, we developed a research model to investigate how two conversational cose of chalbots. Jumm-Rise cuse and Insider response, Influence human trust toward battots and to explore appropriate boundary conditions (individual characteristics and task characteristics) in interacting with charbots. Des survey and two experiments user performed to test the research model, and the results indicated that (1) perceived task solving competence and social presence mediate the pathway from conversational cuses to human trust, which solving the conversational cuses on accial presence and educations (2) the setter of user's majority to be the human- file charbot moders the effects of two conversational cuses on accial presence and educations (2) the setter of user's majority to be than the results human trust, which help reprevide task solving competence. On findings and only contribute to the Athure-tealed literature but also provide practical implications for the development of charbots and their assignment to individuals and tasks. © 2022 Elsvier tud	10.1016/j.chb.2022.107485	http://www.scopus.com/inward/record.un?eld=2- 2.20- 83392666838.doi=10.1016942fj.chb.2022.107485 &partner1D=40&md5=a434ea85776fb7289c218abb 96193d3
Yang, X. C.,	Make chatbots more adaptive: Dual pathways linking human- like cues and tailored response to trust in interactions with chatbots	HUMAN	2023	138			cues, Task -technology fit, Ambiguity tolerance, Tailored response, TASK-TECHNOLOGY FIT, ARTIFICIAL-INTELLIGENCE, INTEGRATIVE MODEL, SOCIAL PRESENCE, INFORMATION, SYSTEMS, AMBIGUITY,	As one of the most popular Al applications, chalbots are creating new ways and value for businesses to interact with their customers, and their adaption and continued use will depend on users' trunt. However, due to the non-transparent of Al- related technology and the amalguid or policitation bucodines; it a difficult to determine which agrees themse the adaptation of chalbots and how they interactively affect human trust. Based on the theory of task-technology III, we developed human trust caused chalbots and how they interactively affect human trust. Based on the theory of task-technology III, we developed human trust caused chalbots and how they interactively affect human trust. Based to the theory of task technology III, we developed characteristical is interacting with chal-back. One survey and how experiments were performed to test the research model, and the result indicates that (1) parcende task onlying completers (indicated distance triates and task), the results indicates the effect of the conversational causes to adjust persence, and (1) when performing they create tasks, the human-tile chalbots indicates higher perceived task solving completerse. Our findings not only constrained to the H trust- related literature but also provide practical implications for the development of chalbots and here assignment to individuals and tasks.	10.1016/j.chb.2022.107485	
	Question	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2023	35	1	335-349	DataOps, data quality, QA system, njp. context simplification, SIMPLIFICATION	In contrast with the research of new models, little attention has been paid to the impact of low or high-quality data feeding a diadgue yetem. The presents pare makes the first attention (11 III) size pay tentioning our previous work on quantity- answering (AA) systems by investigating the effect of misspelling on OA appents and how context changes can enhance the responses. Instead of using large language models: trained on barge distances, the products score by modifying only the quality and structure of the data feed to the model. It is important to identify the features that modify the agent performance because a bight rate of worg annexes can make the scatters low going context simulation agent as an additional tool for distant learning. The results demonstrate the accuracy of the proposed context simplification exceeds SSR. These findings shed light on the importance of quarties makes that context on players dimensions of the QA system. In conclusion, the experimental results on questions and contexts showed that controlling and improving the various aspects of data quality around the QA system can significantly enhance his robustness and performance.	10.32604/iasc.2023.026695	
	successful implementation	Concurrency and Computation: Practice and Experience	2023	35	1		customer experience, customization, integration, Natural language processing systems, Customisation, Exploratory studies, Research gaps, Service interfaces, Social	Artificial intelligence empowered Chaltobs are altering the nature of service interfaces which has further resulted in native expectations for Chaltobs to understant calcomer's social interfaces and response them within the turnovant time. To done this research gay, we conduct an exploratory study in two phases-industry's perspective and 828 outcomer's perspective and analyse results with the help of NVOV 20 plus and telements. The findings reveals persoved risk with respect to Chaltobs is light, complex pricing structure along with nonavailability of testing options makes the pre purchase more complex. Moreover, interactive, seeds, customatication for strategies- thick or funding superclustering and purchase more complex. Another events which influence customer experience. Advancements in A, natural language processing and more testing all phases with the get forecomplex to the strate strate the customer can be used. Unable the strate and personalization, schability and omni chamel engagement and focus on delivering more enhanced outcomer experience. Chaltosts must offer a get invancement dashbard where the customer can be usequeries, resoluted queries present queries status and so on to get transparency. Chabtots streamline the laid qualification process, greatly improve, and speed up the data collection therefore, enhancing customer experience. © 2022 Jahn Wiley & Sons, Ltd.	10.1002/cpc.7450	https://www.sopaa.com/inward/record.un?eid-2- 520- 85141380012&doi-10.1002%2/cpe.7450&partneri D=40&md5=761d69145ee4ab08804e054&a7074d2 e

Ahmed, K., Ibaida, A., Miao, Y., Gu, B.	Early detection of depression using a a conversational AI boom conversational AI and conversational AI and dimical trial		2023	18	2	3	Adolescent, Young Adult, Midde Aged, Aged, Rod and Over, Fernale, "Depression/Gagnosis, "Depressive Disorder, Major/Spechology, Anfridal Manillagence, Surveys in Groups Causel Jonnarder, Focus Groups	BACCRRDLND: Artificial intelligence (A) has gained momentum in behavioural health interventions in recent years. However, a limited mumber of studies use a gaply such methodogoes in the early detection of depression. A large population needing psychological intervention is let underlined due to barriers such as cost, location, yaing and a global burged or hand workers. Therefore, it is essential to develop a mass screening integrative approach that can identify people with depression at its early stage to avoid a potential crisic. DBECTIVES This study wints to understand the feasibility and efficient during of the anabled datatots in the early detection of depression. ARTHODS: We use bilagitow as a conversation interface to build a Depression Assistion (DBPA) chartoc). A traturuler and automaticate early detection depression factors are appression at tis early stage to avoid potential crisic. DBECTIVES This study wints to understand the depression factors are depression Assistion. Combining the structured and automaticate early detection depression factors derived of targetoxics. Combining the structured interface to building the structured interview guide for the Hamilton Depression Sale (DSH-D) and the invertory of early of targetoxics. Combining the structured interview guide for the Hamilton Tepression Sale (DSH-D) and the invertory derived of targetoxics. Depression Sale and the targetoxic derived fram a force group of 10 papels the accuration on the oursestation. DEPRA interview with the unarreces cristication compared partical access the accuration and the questors. In Anable on the participants to submit a user statistation survey and the artical target the development of the participants, with an average age of 34.7 years, completed this non-dinical traitives. Therefore, and outprinses professional academic stand the force positives artical access that statistations univer guides. Descrit accession with slight variations of afferem depression herek. According to DS-SN. 30x of participan	10.1371/journal.pone.0279743	
Egger, Å., Kratsch, W., Röglinger, M.	chatbots' ability to learn business processes	Systems					checking, Natural language processing, Process mining, Data mining, Natural language processing systems, Business Processis, Business to customers, Language processing, Learner, Natural languages, User input, Sales	approaches in Natural Language Processing (NEP) already address the essential requirement of understanding user input and synthesing a reproduce a close as possible to a reponse a human interfocator would by eit-Netwerk, we argue that the organizational adoption of chattors further depends on the underlying model's capability to learn and comply with organizations provide processing. For earlier, authenticating are customer federe providing sensitive deals. To address this sisse, we develop an approach that quantifies chattors' ability to learn business processes using standardized process mining metrics. We demonstrate our approach by training chattors to address of more than 50,000 customer avrice conversations from three companies on Twitter and show how our approach supports the quantification of a chattor's unit of memory business process. In constraint, address chattors's address of more than 50,000 customer avrice conversations from three companies on Twitter and show how our approach supports the quantification of a chattor's address of the site of t		http://www.scopu.com/inward/record.ur/teid=2- 20- 851469012758.doi=10.1016%2/j.is.2023.102176.8p artner10=048mds=1642ec8824169b7355f6d85a20 117036
Koli, A., Khatter, K., Singh, S.	Natural language processing: state of the art, current trends and challenges		2023	82		3744	evaluation metrics, Natural language generation, Natural language processing, Natural language understanding,	Natural language processing (NUP) has recently galand much attention for representing and analysing human language computationality. It has predit as applications in various fields with an muchine transition, email span detection, information extraction, summarization, medical, and question answering etc. In this paper, we first distinguish four phases by discussing different west of NUP and components of Natural language detection followed by presenting the halour and evolution of NUP. We then discuss in detail the state of the art presenting the halour speciations of NUP, current trends, and challenges. Finally, we present a discussion on some available datasets, models, and evaluation metrics in NUP.	10.1007/511042-022-13428-4	
Kim, H. W., Hong, E., Ban, S., Shin, M., Lee, H., Lee, H. D.,	Disturbances in Cross-Point Phase-Change Memory Arrays - Part I: Physical Modeling with Phase-Change	IEEE Transactions on Electron Devices	2023	70	2		read disturbance, selector, storage dass memory (SCM), Dynamics, Phase change materials, Chatbots, Cross point, Phase-change memory, Read current, Resistance, Storage class memory, Storage-class memory, Phase change memory	Phase-change memory (PCM) connected to an additional selector has been implemented in cross-point array for storage class memory applications. In the one-PCM one one-selector (15-18) configuration, the selector should be turned on first to read the resistance state of the PCM. This requires a large read voltage (Vread), and a hgh read current from the PCM is instantly produced, which causes read disturbances. To understand the underlying mechanism of the disturbance, real developed a physic-based Verificia, A model to describe the measured electrical behavior of the 15-18 cell in HSPICE by considering themating induced crystallization and metting dynamics. Based on YTM, which is the voltage induced when the pristical analysism state of the PCM is programmed by hgines TG arrent (EGI). TH decreases only to enhanced crystallization, leading to a low-resistance state. However, VTH subsequently begins to increase with respect toSET, which read is no good agreement with the experimental data and reveal the temperature generates also be SOB. Validoed by the high- read current. The VTH increase induced by the amorphization can be explaned by transient simulations. The simulation results are in pood agreement with the experimental data and reveal that the temperature generates from the 15-18 cell plays an important role in triggering the unwanted phase transition of the GeSDE layer during the read operation. 6 1963-2012 LEEE.	10.1109/TED 2022 3231818	http://www.stopus.com/inward/record.uriTeid-2- 32-0- 85146221643&doi-10.1109%2/TED.2022.2331818 &gurtnerD-04@md5=c916b743f6c16eedb648B60 3dde9375
	Anthropomorphi c response: Understanding interactions between humans and artificial intelligence agents	Computers in Human Behavior	2023	139			Anthropomorphism, Artificial intelligence, Human and nonhuman interaction, Perceived cognitive intelligence, Perceived emotional intelligence, Intelligent agents, Artificial intelligence agent, Chatbots, Cognitive intelligence,	This study of anthropomorphic response to artificial intelligence begins with an extensive network of the literature and an identification of consequent distinctions between anthropomorphics and anthropomorphic response. The study method of the study	10.1016/j.chb.2022.107512	https://www.scopus.com/inward/record.un?eide-2- 22.022550568.doi-10.101692/fj.chb.2022.107512 &partnet/0-408.md5-ucb729:0334:36/21dwd2bfed &cdd1346
M., Song, S., Joo, H. J.	Predicting medical specialty from text based on a domain- specific pre- trained BERT	Int J Med Inform	2023	170			Intelligence, "covid-19, "Medicine, Adoptation, Psychological, Cognition, Natural Language Processing, Bidirectional encoder representations from transformers, Deep learning, Medical question-and-answer post, Medical speciality prediction, Natural language processing, competing financial interests or personal	ACXGROUND: Owing to the prevalence of the coronavirus disease (COVID-19), coping with clinical issues at the individual level has become important to the healthcare system. Accordingly, precise initiation of treatment after a hospital visit is required for systemiced processes and effective disposes of outpainters. To achieve this, artifical intelligence in medical narral alreguate systemiced processes and effective disposes. To achieve this, artification of treatment after a hospital visit is required for systems. Furthermore, suggest for Accidents on the medical pacelarity from the initial visit can be helpful. MATEMISA SND METHODS. In this suggest for Accidents on the medical pacelarity from the initial visit can be helpful. MATEMISA SND METHODS. In this suggest for the accident systems of the accident account of the accident active and any accident and a system trained bidirectional encoder progressments from transformers (BRIT). The dataset comprised pairs of medical gatesital proteins for narradomers (BRIT), the dataset comprised pairs of medical gatesital proteins to a real-world dataset and elaboratory evaluation due proteins works. The moder systems are there are also a real-world dataset and a relation actions are real-world dataset and a relation at 2000 setting and world to the performance compared with found there are also access validation and test executions. RSMLTS: The proposed model showed improved performance compared with competitive models in terms of overall specialities. In addition, we demonstrate the usefulness of the proposed model by performing case studies for visualization specialities for patients.	10.1016/j.ijmedinf.2022.104956	
M., Song, S. H., Joo, H. J.	medical specialty from text based		2023	170			representations from, transformers, Deep learning, Medical specialty prediction, Medical question - and - answer post, Natural language processing	Background: Owing to the prevalence of the coronavorus disease (COM-13), coping with clinical issues at the individual heel has become important to the hardharea periods. Accordingly, previous initiation of returned after a hardward with a transmission engeleting processes and effective disposes of organizers. To achieve this, write-ficial intelligence in medical actual language precessing (NUP), such as hardharea chardward is greater than the medical actual in the hardwards and methods: In this structure actual capacity previous support sprine, can be subtlet tools for an advanced clinical system. Furthermore, support for decisions on the medical greating from the initial visit can be helpful Materials and methods: In this structure actual capacity previous disposed previous actual structure to the and on pre- trained bidirectional encoder prepresentations from transformer (BIRT). The dataset comprised pairs of medical greating the regulated medical specially tables among 27 bable from medical question tests. The proposed model showed improved learning AIV models through cross validation and test set evaluation. Results: The proposed model and bender performance compresent with competitive models in tests of our all specialities. The proposed model can bendlet hospital patient management and reasonable recommendations for specialities for patients.	10.1016/j.ijmedinf 2022.104956	
	in Medicine: A Perspective from	Ann Biomed Eng	2023	51	2		*Software, *Artificial Intelligence		10.1007/s10439-022-03121-w	
M. R. King	a Chatbot A Conversation on Artificial Intelligence, Chatbots, and Plagiarism in Higher Education	Cell Mol Bioeng	2023	16	1	01. Feb			10.1007/s12195-022-00754-8	
chatGpt,		Cellular and Molecular Bioengineering	2023	16	1		artificial intelligence, college student, Editorial, health care, human, plagiarism, tertiary education		10.1007/s12195-022-00754-8	https://www.scopus.com/inward/record.uri?eid=2- s2.0831654914298.doi=10.1007%2fs12195-022- 00754- 8&partneriD=40&md5=107ed0ab9241ced10559e1 ec23c1df48
Kitamura	ChatGPT Is Shaping the Future of Medical Writing but Still Requires Human Judgment	Radiology	2023			230171			10.1148/radiol.230171	

Kittipimpano n, Noyudom, A., Panjatharaku I, P., Visudtibhan, P. J.	Use of and Satisfaction With Mobile Health Education During the COVID-19 Pandemic in Thailand: Cross- sectional Study Evaluation of	JMIR Form Res	2023	7		e43639	Covid-19, chattor, mitealth, satisfaction, use	BACKGROUND: RamaCoxid is a mobile health (mittentif) education system that provides the Thia population with information about COVD-19 and self-via assessment. RamaCoxid has a chattor system that provides automatic conversions (suballable 4 hours per day in the exercise). The system consists of 11 (20VD-19 via consist information (2) a place are fit vaccasions). (3) frequestly able questions, (4) all eff-via assessment, (5) hospital Inding, (6) contact number finding, and (7) live dat with a health professional. 20UCT: This sub/investigate the use of and addication with the fam:Cook system. MTMO26. See rail, 20 data questions, (4) all eff-via assessment, (5) hospital Inding, (5) contact number finding, and (7) live dat with a health professional. 20UCT: This sub/investigate the use of and addication with the fam:Cook system. ThirOSC: See rail, 20 data, users' represences of RamaCooki and the use of and satisfaction with the system. The questions were answered using a 5- point Liker scale. Descriptive statistics were used to descine the participant that ancient system. The questions were answered and data data data addicated on with the system. The questions were answered and data data data data data data data	10.2196/43639 10.1016/j.jtha.2023.01.011	
Mendelovich , S.	OpenAl's large language model as a new tool for writing papers in the field of thrombosis and hemostasis	Haemost								
Lamba, T., Jaskiewicz, W., Gorentz, K., Hungerbuehl er, I., Rahimi, D., Kokota, D., Maliwichi, L.,	improving the mental wellbeing of health workers in Malawi during the COVID-19 pandemic: A		2023		(Kleinau E.F., ekleinau @urc- chs.com) Global- Latin America and Caribbe an (LAC)- West Africa Region, Universi West Africa Region, Universi Ky Researc h Co. (URC), Chevy Chase, MD, United States		health, mental health care personnel, outcome assessment, pandemic,	After the defensional effects of the COVD-3.9 pandemic on healthcare worker mental health, we tested the effectiveness of an interactive statule. Wilke, for improving wellbeing and vellative among healthcare workers in Malaus 1, accounty with for mental health professionals. We conducted a randomized, controlled trail (RC1) to investigate our hypothesis that Vialak is more effective in improving mental health and estilence automas than passive internet resources. For our 2 arm, 5 week, panel RC1 (IGKTN Begistry, trial ID GRCTNI6378460), we recruited participants from 8 professional acdres from public and private healthcare facilities. The trainment annu of Vialak mecodic and an mecieval finits for internet resources. Or an areity (GAD-7), fogerssion (PMG-3), bornous (GLD), relinices (GLD-1), estimate and Vialak the control and relinice bial activities. We analyzed effectivenes support on hypothesis. IDRIGN: Institute of Vialak the Control of Status (SLD), and effectivenes support on hypothesis. IDRIGN: estimates, and reliable change in risk levels. Results from mixed-model analyses support on hypothesis. IDRIGN: estimates, and reliable change in risk levels. Results from mixed-model analyses support on hypothesis. IDRIGN: estimates, and reliable change in risk levels reliable of 1.15 to 0.21); anaety (-0.44) (SSG -0.48) to 0.03); and burnoux (-0.53) (SSG -1.32 to 0.21)). Clanges in reliable reliable of 1.15 to 0.21); anaety (-0.44) (SSG -0.48) to 0.03); and burnoux (-0.53) (SSG -1.32 to 0.21)); burget in rith terture togop. We for healthcare workes during be parkedinic in Statuber. Africa combining multiple metral welleng outcome, and measuring reliance and reliable outcomes, adm measuring for the healthcare workes during the parkedinic in Statuber of participants could be beenfitted from metal handh support (1 in 8 reported anxiety and depression; 3 in 4 suffered burnout; and 1 in 4 had low resilience). Such help is not readily available in Malawi. Vitak has the potential to fill this gap.	10.1101/2023.01.24.23224959	http://www.embaus.com/servic//result/induction www.emcditdii-2023444006/non-emport. http://dx.doi.org/10.1101/2023.01.24.22284959
Polakova, P., Cerna, M., Yayilgan, S. Y., Shaikh, S.	A Systematic Review on the Use of Emerging Technologies in Teaching English as an Applied Language at the University Level	Systems	2023	11	1		Al, applied language, chatbots, English as foreign language, foreign language discutation, mobile apps, practical implications, university	At present, emerging technologies, such as machine learning, deep learning, or various forms of artificial intelligence are penetrating differentifields of ductation, including foreign language education (FLS). Moreover, the current young generation was born into the technological environment, and they preceive technologies as being an indispensable part of their everyday life. However, they mainly use technologics in their informal learning, but there is not much research into emerging technologies in FLE, namely in teaching and learning figlish as an applied language. Therefore, the purpose of this systematic releave is to identify, bring tegether, compare and analyze all of the technologies that are currently efficiently employed in foreign language tacking and learning and based on the findings of the detected experimental studies, we provels expective pedagogical implications on hor to use these technologies in the acquisition of fingitish as an applied language. The tervite much was all to the technologies that a supplied language at the university lever. The methodology lolisover the PRISMA guidelines for systematic review and meta-analyses. The results of the detected experimental studies, we associals to the latest technologies in the studies with a studies with an applied language the university are development of FL socializing and the studies for systematic review and meta-analyses. The results of the detected experimental studies, the results on the detected handling in the studies with the section by how how the there is the technological devices, using a neural machine transitional instruction in how how to particularly involved by instructures could be developed through their ruse. In addition, It is also claimed that more experimental studies are needed to clearly the evidence and its usefulness in teaching a foreign language as an applied language. 20 20 20 by the authors.		https://www.scopu.com/inward/record.ur/feid-2- 12-0 85146473296840i=10.3390K2fsystems110100428, partneri0=40&md5=8Ie02738:17192I41277bcb229 5959b6
	perceptions of a chatbot as a potential	INTERNATIONAL JOURNAL OF MOBILE LEARNING AND ORGANISATION	2023	17	01. Feb		chatbots, L2, EAP, tertiary education, independent language learning, language learning, dialogflow, FUTURE, ELIZA, BOTS	Independent language learning is paramount for those wrishing to develop proficiency in a second or foreign language. Language learners often have their opportunities to communicate and interact actively in their target language. In this two-phase study, a charabit was developed to assist second-language learners at a territary descariton faultion in ning Kongut in Independent language learning. I employed a substances of the language learners at a territary descariton faultion in ning Kongut language learning. I employed a substances (The results suggested that the participant enjoyed interacting with the charabit too learners' experimences with the charbon. The results suggested that the participant enjoyed interacting with the charabit book how the development of charabits.	10.1504/IJMLO.2023.128339	
Baumbach, Biller, M., von Janda, S.	there? A study on the social	Computers in Human Behavior	2023	139			Hedonic, Sensitive information, Social presence, Utilitarian, Behavioral research, Human computer interaction, Cost-efficient, Human like, Purchase intention, Sensitive	Comparies are increasingly employing text-based databots as a time and oxel-efficient way to interact with customers. While comparies begins to polyce anthropomorphic clutbid designs by inhuling clutbots with human'ike characteristics, the effectiveness of chatbot anthropomorphism meanins unclear. We conducted three experiments to assess the effectiveness of chatbot anthropomorphism in oxtomer-chatbot interactions. By equipping clutbots design with human ike characteristics, the effectiveness of chatbot anthropomorphism. Our results show significant positive effects of clutbot anthropomorphism on trust, purchase interaction, we do if mount, as standaction with the shopping period. Mean clutbot anthropomorphism on trust, purchase interaction, we do if mount, as standaction with the shopping reperiod. Mean clutbot shopping contexts distinguished by hedion cversus utilizations hopping modulations or the disclosure of (non-)sensitive information by oxioness. The present research densis managerial implications for onderases. The disclosure and chatbots anthropomorphised chatbots in customer interactions. Further, this study advances research on customer chatbot interactions. B 2022 Elsevier Ltd	10.1016/j.chb.2022.107513	https://www.scopu.com/hward/record.ur/Teid=2- 230- 8513978533840e-10.010fx47j.chb.2022.107513 8partentP-0406md5=302fc355baf1a2d52b466d0 ba8t5953
	[ChatGPT : Milestone text AI with game changing potential]	Unfallchirurgie (Heidelb)	2023						10.1007/s00113-023-01296-y	
Alturki, N.,	chatbots: A	Education and Information Technologies	2023	28				Chabitos hold the promise of recolutionizing education by engaging learners, personalizing learning activities, supporting educators, and developing deep night into learners' behavior. Nowere, there is a lack of duales that analyze the recent enderators, and developing deep night into learners' behavior. Nowere, there is a lack of duales that analyze the recent educations and developing deep night into learners' behavior. Nowere, there is a lack of duales that analyze the recent education affekd platform, design principles, the role of chatbots, interaction styles, evidence, and limitations. The results show that the chatbots were mainly designed on a web platform to teach comparer science, linguage, general education, and a few other fields such as engineering and mathematics. Further, more than half of the chatbots were used as taching agents, while more than a third were eare agent. Such of the chatbots used a genedermined conversational path, and more than a quark periodic to that devices and a genedermined conversational path, and more than a spatie device and a science than a third were earlied earling approach that catered to students' learning needs, while other chatbots used experiential and collaborable learning approach that catered to students' learning meds, while other chatbots used experiential and collaborable learning and a lack of relaxes, more than a third of the chatbots user eaulated with experiments, and the results principles. Moreover, more than a third of the chatbots user eaulated with and half-tice in dataset training and a lack of relaxes on usability heuristics. Future studies should explore the effect of chatbot personality and localization on subjective satisfaction. Allenges and limitation of a subject is an earlied of a student statisfaction and learning effectiveness. 0 2022, The Author(s).		https://www.scopn.com/invadr/ecord.un?teid2- 20.951319634792640-10.10079/2h10639-022- 11177- 38gartheril-bal&md5-e3ds4574f06614009128d6 9e10fc14fb
Klang, E.	Can advanced technologies help address the global increase in demand for specialized medical care and improve telehealth services?	J Telemed Telecare	2023			x231155	Telemedicine, artificial intelligence (AI), chatGPT, large language models (LLM), telehealth		10.1177/1357633x231155520	
Berry, A., Zhang, J., Fockele, C. E., Anderson, L., Hsieh, D., Hartzler, A.,	social needs: Acceptability,	Appl Clin Inform	2023					OBJECTIONS - Patient and provider lacing crements tanks for social determinants of health have been replaced in a versity of contexts; however, effectives screening and resource orderal retains; challenging and less is hown about how patients; provide chatbots as potential social needs screening tools. We investigated patient perceptions of a chatbot for social needs screening using three implementation outcome measures; acceptability; its patients. TextPICOS we implemented a chatbot for social needs screening at one large pakit hospital emergency department (ED) and used concurrent transplations to assess perception of the chatbot use or versione, 350 DD without completed the social needs screening anticipants; ranged and the chatbot use or versione, 350 DD without completed the social needs screening and retain the anticipants ranged and the chatbot use or versione, 350 DD without completed the social needs screening and retain the anticipants; ranged and that the chatbot was an acceptable, feasible and appropriate way of screening. Through interviews (In-22), social needs screening and consistent socies and screening. Findings suggest that chatbots are a promising modality for social needs screening and consecreding process that ultimately connects patients to care for social needs, and suggests that chatbots use in accessfully engages and large device patients. Findings suggest that chatbots are a promising modality for social needs screening and character screening. Findings suggest that chatbots are a promising modality for social needs screening and character screening and character screening. Findings suggests that chatbots are a form social needs, as it suggests that chatbots on and screening process that ultimately connects patients to care for social needs, improving health and and lacilitate a screening and patient population in the Division and the screening and character screening and cha	10.1055/#-2035-5342	

C. Larkin,	ReachCare	JMIR Form Res	2023	7		e41422	emergency department,	BACKGROUND: Many individuals with suicide risk present to acute care settings such as emergency departments (EDs).	10.2196/41422	
Djamasbi, S., Boudreaux, E. D., Varzgani, F., Garner, R., Siddique, M., Pietro, J.,	Mobile Apps for Patients Experiencing Suicidality in the Emergency	JMIR Form Kes	2023	,		e41422	emergency department, mobile phone, suicide, usability	BALCREDUM: Many moleculars with succe in a present to acute care settings such as emergency departments (1bD), however, staffing and time constraints much many Dara net well equipped to deliver existence deviate interventions of the setting of the setting of the setting of the setting of the setting such as emergency departments (1bD). Department Safety Assessment and Follow-up features (1bD) and the setting of the setting of the setting of well-setting of the setting of the setting setting of the setting of the setting with patients presenting to the IDD with suicide risk. METHODS: Using a succentered design framework, we first developed user persona to experime the needs and characteristics of patients with an artificiation solid using inputs from diministion of and suicidarity (neis) and the three setting of the setting setting and the setting setting as the setting setting and suicidarity (neis) and the setting setting setting setting setting setting as the setting setting and suicidarity (neis) and the setting setting setting setting setting setting setting setting setting and suicidarity (neis) and the setting setting setting setting setting setting setting setting setting setting associating (neis) and the setting setting setting setting setting setting setting setting setting setting associating (neis) and setting the setting setting setting setting setting setting setting setting setting appointments with the study clinica. The initial protocype suicility (neis) demonstrated satisfactory scores (1D app setting setting		
							Al-based assessment,	81.7/D0.35 20.1). After refining the apps based on participant feedback, the second cycle testing (In-5) showed improvement (EQ app SUS, mano S2/L00, 59.9.5). User Engagement SSLaw, mano 407%, 50.0.35, patient app SUS, mano 97 2/L00, 51.0.37). The quality ratings for completed safety plant were satisfactory (Safety Planning Intervention Scoring Algorithm-Brief, man 27.4, 50.24). (COLUSIONS: By adopting a user-centered approach and or acting parameters to guide development, we were able to create pages for ED patients with suicide risk and obtain satisfactory usability, engagement, and quality scores. Developing digital health tools based on user-centered design principles that deliver evidence-based intervention components may help overcome trenchant implementation barriers in challenging health care settings.		
	A Paradigm Shift from "Human Writing" to "Machine Generation" in Personality Test Development: an Application of State-of-the-Art Natural Language Processing		2023	38	1	163-190	Automatic item generation (AIG), Gender bias, Natural language processing (NLP), Personality, Psychometric	Natural language processing (NUP) techniques have become increasingly popular in areas of psychological assessment. Recently, researchers have sought to use NU Exchingues for automatic time generation (Allo) in the psychological assessment. Recently, NUP-based approaches to personality Na Generatives for automatic and any operations and the personality account and the synchronic and transformer 3 (OFT) to generate personality, teems. This approach provides served practical advantages for researchers and practitioners or compared to persona Ka Supportants. Second, we theroughly compared transis psychometric properties between multies and transitioners and transitioners and practical advantages for researchers and practitioners compared to persona Ka Supportants. Second, we thoroughly compared transitionals psychometric properties between multies and transitioners and provide good psychometric properties and title measurement biases between generatives. Practical confidenties, controllations, and future research directions of the AlG technique for non-cognitive tests were discussed. © 2022, The Author(s), under exclusive licence to Springer Science-Business Media, LLC, part of Springer Nature.	10.100//310809-022-09804-6	https://www.scopuc.com/inward/record.un?edd2- 200541813792866-01100794/t0069022- 00864- &&gartnetD-040amd5-0f04abe9528396dd5a0f857 &&R2C/101
Tuwani, R., Kompa, B.,	and Triage Accuracy of the GPT-3 Artificial	medRxiv	2023					MPORTANCE: Artificial intelligence (AI) applications in health care have been effective in many areas of medicine, but they are often trained for a single task using labeled data, maing deployment and generalizability challenging. Whether a general- purpose AI language mode can perform dargeois and traine yeak usions. OBE/CTCN: Compare the general-purpose Generative Pre-trained Trainformer 3 (GPT-3) Al model's diagnostic and traine performance to attending physicians and lay adults who use someomic fee, strained trained and the single performance to attending physicians and lay adults who use another the strained trained trained and the single performance to attending physicians and lay adults who use someomic fee, strained based and strained trained to the single performance to attending physicians (SAT) (SAT) and examined how well calibrated GPT-3's confidence was for diagnosis and traineg. StTTIKG AND PARCIPANTS: The GPT-3 model, a nationally representative sample of lay coopels, and practicing physicians. DOOR (SAT) (
Schleifer, R., Buadze, A., Bhugra, D.,	Generating scholarly content with ChatGPT: ethical challenges for medical publishing		2023						10.1016/s2589-7500(23)00019-5	
M. K. Looi	Sixty seconds on	Bmj	2023	380		205			10.1136/bmj.p205	
J. H. Lubowitz	ChatGPT ChatGPT, An Artificial Intelligence Chatbot, Is Impacting Medical Literature	Arthroscopy	2023						10.1016/j.arthro.2023.01.015	
Shaw, A., Lee, W., Krishnapillai, S., Adi- Wauran, E.,	acceptability of	Hum Genet	2023			01. Okt		Chatbots, web-based artificial intelligence tools that simulate human conversation, are increasingly in use to support many areas of genomic medicine. However, patient preferences towards using databots across the range of intelligent lestings are unknown. We conducted a qualitative study with individuals who underwards genetic testing for themselves or their dild. Participants were acide about their preferences for using a clathot within the genetic testing for themselves or their dild. Participants were acide about their preferences for using a clathot within the genetic testing forms. Plantica analysis employing interpretive description was used. We interviewed 30 participants [G7:6 female, 50:6 30 - years], Participants employing interpretive description was used. We interviewed 30 participants anticipants [G7:6 female, 50:6 30 - years], Participants employing interpretive description was used. We interviewed 30 participants anticipants [G7:6 female, 50:6 30 - years], Participants employing interpretive descriptions was used as complement to built on a regulatore status (and a constraints) time and energy. In addition to achieving this 'sweets space', participants anticipants (that their comfort with chatbots would increase if the chatbot was used as a complement to built on a regularement for using care. Participants used a 'asterynet' (i.e., access to a clinician) for needs not addressed by the chatbot. This study provides timely insights into patients' comfort with and parceived limitations of chatbots for genomic medicine and can inform their implementation in practice.	10.1007/x00439-022-02512-2	
Clausen, M., Shaw, A., Lee, W., Krishnapillai, S., Adi- Wauran, E.,	sweet spot: a qualitative study exploring patients' acceptability of chatbots in genetic service	Human Genetics	2023				article, comfort, drug safety, female, genetic screening, genomic medicine, human, investment, male, qualitative	Chabots, web-based artificial intelligence tools that simulate human conversation, are increasingly in use to support namy areas of genomic medicine. However, parties preferences towards using dhabots across the range of clinical settings are unknown. We conducted a qualitative study with individuals who underwent genetic testing for themselves or their child. Participants were acked about their preferences for using a classical build within the genetic testing for themselves or their child. Participants were acked about their preferences for using a classical activation of the setting activative memory. Participants employing interpretive description was used. We interviewed 30 participants (776 female, 50% 50 - year). Participants employing interpretive description was used. We interviewed 30 participants (776 female, 50% 50 - year). Participants employing interpretive description was used. We interviewed 30 participants (776 female, 50% 50 - year). Participants intera and energy. In addition to achieving in the single study of the their conflor with chabots sould increase if the chabot was used as a complement to but not a replacement for usual care. Participants wanted a "slately vect" (i.e., access to a clinical for energinate directed by the chabot. This study provides timely indisting the patients' conflor twith and perceived limitations of chabots for genomic medicine and can inform their implementation in practice.	10.1007/400439-022-02512-2	http://www.embase.com/seard/result/subaction verwercotfidie/201349588/meme.port, http://dx.doi.org/10.1007/s00439-022-02512-2
W. Lukose,	Impact of Covid- 19 on the Usage of Ai with Respect to Chat Bots in Hotels		2023	14			chatbot, medical robot, motion sensor, adult, age, article, artificial intelligence, automatic speech recognition, consumer attitude, coronavirus disease 2019, descriptive research, digital technology, human, regression analysis, retrospective study, robotics, young adult	Nobody might at any point imagine that this world would come at a hait in 2020, when the Good 19 previously hit nobody accepted it could give und joint of Lange within Wood I change the world as far as we might be concerned. It wetcomed on many changes like work-from-home, social separating, changes in how cleanlines is kept up with and with hit hits to various enterprises as well as an opportunity to any enter a new levels enterging innovation, particularly in lodgings. With the requirement for contactless assistance during the pandemic, the updides of an Al attending turned out to be significantly additionally articulated. The study description in nature and adopted snowball sampling for collecting the data. The study the impact of cool -13 on the usage of artificial intelligence, regression analysis was applied and found that more Al and KS Al (Data-bots, Motion Detectors, Vice Recognition System) and SS (Online Resensition Al 1005 Link UTIONLOW GUSTI IN OTICS 90 Peral). K5 is relatively more important than the Al in explaining the guest intensity to stay. Study also explained that customer age is not significantly (0.103) impacted the guest intensity to stay in hotel.	10.47750/pm:2023.14.502.70	http://www.embarc.com/searl/hresult/21abatCom /www.comt64id-220400238/on-export, http://dx.doi.org/10.47750/pwr.2023.14.502.70
Adeloye, D., Sheikh, A.,	Can ChatGPT draft a research article? An example of population-level vaccine effectiveness analysis	J Glob Health	2023	13		1003	Humans, "Vaccine Efficacy, Computer Simulation, "Software, Confidentiality, Health Personnel	Note office to our experiences of using Generative Pre-tained Transformer QuatOT, a stability datarchet Jy OpenA IM Newmither 2021; Leind T- nerean-a Neile W ein min of demonstrate how ChalGT could help researcher to be scherzie drafting their paper. We created a simulated data set of 100 000 health care workers with varying gars, Boly Mass Index (BMI), and risk profiles. Simulated data set of 100 000 health care workers with varying gars, Boly Mass Index (BMI), and risk profiles. Simulated was scherzied with a factoral vaccine than which research and the scherzie data the their paper. We created a simulated data is del 11 data the scherzie data the molecular data and without compromising patient privacy. Infections were simulated with a radionized probability of hospitalization. A subset of these factorise prevents was scherzied with a factoral vaccine that releaded the probability of hospitalization. A subset of related research paper. A based language models in data analysis and schertice writing relationing interest, and this exemplar analysis aims to contribute to the understanding of how ChatGPT can be used to facilitate these tasks.	10.7189/jogh.13.01003	

Krause, B., Greene, E. R., Subramanian , S., Mohr, B. P., Holton, J. M., Olmos, J. L., Jr., Xiong, C., Sun, Z. Z., Socher, R., Fraser, J. S., Naik, N.	protein sequences across diverse families		2023	170			Humans, "Software, "Triage, Diagnosis, Diagnosit	Desp-learning language models have shown promise in various biotechnological applications, including protein design and engineering. Here we describe Protein, a language model that can generate protein sequences with a predicable function across large protein families, akin to generating grammatically and semantically correct natural language settences on diverse topics. The model was trained on 280 million protein sequences from 15/000 families and is augmented with control tags specifying protein properties. Proceen can be further fine-tuned to curated sequences and tags to improve controllable generation performance of proteins from families with sufficiencies an astural lycogmes, with sequence identity to natural proteins as low as 31.6%. Proceins i readily adapted to diverse protein families, as we demonstrate with chorinate mutate and malate dehydrogenase.	10.1038/x41587-022-01618-2 10.1016/j.ijmedinf.2022.104961	
Wicks, P., Gilbert, S.	"Assessing data gathering of chatbot based symptom checkers - A clinical vignettes study"						accuracy, Diagnostic software, Health information, Limitations, Online, Safety, Symptom checker, Technology, competing financial interests or personal relationships that could have appeared, to influence the work reported in this paper.			
Cotte, F., Wicks, P., Gilbert, S.	Response to Ben- Shabat et al.'s "Assessing data gathering of chatbot based symptom checkers – A clinical vignettes study"	Journal of Medical Informatics	2023	170			chatbot, clinical evaluation, human, letter, standardization, symptom, vignette		10.1016/j.ijmedinf.2022.104961	https://www.embase.com/serie//result/sPubation viewrecordiki-col/21131538/cmm-eport, http://dx.doi.org/10.1016/j.ijmedinf.2022.104961
C. Meister, T., Pimentel, T., Wiher, G., Cotterell, R.		the Association for Computational Linguistics	2023	11		102-121		Today's probabilistic language generators fail short when it comes to producing coherent and funct text despite the fact that the underlying models perform well under standard metrics (e.g., perjorker). This discregancy has puzzled the language generation community for the last few years. In this work, we posit that the abstraction of natural language generation as a discrete stockast top concess—which allows for an information-theoretic analysis—can provide new ingitis to the behavior of probabilistic language generators, for example, why high-probability texts can be duit or reportive. Humans use language as a means of communicity information, and mign to do so in a antimateneously efficient and enror-minimizing manner; in fact, approblinguistic research suggests humans choose each word in a anting with this subconscious goal in mind. We formally define the set of strain-microsite information. These of which are also work as an information content colore to be expected enforcing that met this circlesion. These of which are also work as an information content colore to be expected enforcing that credits of the provide text of the strain content content colore to be expected enforcing this criterion when generating from probabilitic models, which we call locally typical sampling drives competitive performance (in both abstractive summarization and story generation) in terms of quality while consistently reducing degenerate repetitions. $Ф$ 2023 Association for Computational Linguistics. Distributed under a C-BY 4.0 license.	10.1162/tac <u>s_0</u> 0536	https://www.scopuc.com/inward/record.ur/Teid-2- 2-0- 851469625968doi-10.1162%2ftacl_8_005368part ner/D=408md5-51a1836896970-3084c8cc0cc948 700
Kumar, M., Norman, K. A., Toneva, M.	models can segment narrative events similarly to humans	ArXīv	2023					Humans precive discrete events such as "retaturant visits" and "train infes" in their continuous experience. One important prerequisite for vising human event precipion is the ability of researches to quarity when one event ends and another begins. Tripcially, this information is derived by aggregating behavioral annotations from several observers. Here we present an alternative computational approach where event boundriars are derived using a large language model, GTM, instead of using human annotations. We demonstrate that GPT-3 can segment continuous narrative text into events. GPT-3-annotated events are significantly correlated with human event annotations. Thummar, these GPT-derived annotations schwe ago ago approximation of the "consensus," solution (obtained by averaging across human annotations); the boundaries identified by GPT- GPT-approvides a feasible solution for automated event annotations, and demonstrates a further parallel between human GPT-3 provides a feasible solution for automated event annotations, and demonstrates a further parallel between human complian and prediction in large language models. In the future, GPT-3 may thereby help to elucidate the principies underlying human event perception.		
Shlyakhetko,	Real Estate App Development Based on Al/VR Technologies	Electronics (Switzerland)	2023	12	3		360° image, Air chatbot, artificial intelligence, Internet of Things, real estate, three- dimensional space (3D), virtual reality	This paper deals with an investigation centered on developing a rell estate app on the basis of Artificial Intelligence and Virtual Reality Exchologies. The study explores the advantages of diag Advantages of diag Advantality and Ling Advantage of diag Advantage d	10.3390/electronics12030707	https://www.scopuc.com/inward/record.ur/Reid-2- 20- 85147828228.866i-10.3390%2/feletronics1203070 78patrneri0-408md5-3931699d76fal468349a646 az75c8e37
S. R. Mogali	impressions of ChatGPT for anatomy education	Anat Sci Educ	2023						10.1002/ase.2261	
Mohammadi Baghmolaei, Ahmadi, A.	TET: Text emotion transfer		2023	262			language modeling, Natural language generation, Text style transfer, Transfer learning, Transformers, Character recognition, Computational linguistics, Learning systems, Chatbots, Language model, Political	Test style transfer aims at transforming the style of a piece of tost while keeping its primary content. The style of the test is usually defined as a particular writing torus in different categories, such as formality, Differens, settiment, and political stark. Recently, most of the work in the area has been devolded to the problem of settiment transfer, which tries to transfer an optiminated test into a positive or negative preservice. This assignizations in marketing, political news, chatches, writing tool subject and the stark of the proved model can perform efficiently on inities almost of an emotion-annotated data. Moreover, the model shows promising experimential results against of the existing models considering style transfer model stark transfer earning, the stark of the proved model can perform efficiently on inities almost of the existing models considering style transfer model stark transfer earning, the SEAR and TEC emotion corpora. © 2022 Elsever B.V.	10.1016/j.knosys.2022.110236	https://www.scopu.com/inward/record.un?eid=2- 2D- 8314397218840i=10.1016%2fj.knoys_2022.1102 36&partnerf=0-8&dbad=5=3845a3844b8abd36 940602a12bb
Van Bulck, L.	intelligence language models be of value for cardiovascular nurses and allied health professionals	Nurs							10.1093/eurjcn/zvad022	
Asiimwe, L, Ager, A. L, Haq, Z., Thumba, L., Shcherbinina	include support for sexual and gender-based	Health Policy Plan	2023				Rehabilitätion, conflict, gender, violence against women	Sexual and gender-based violence (SGRV)-both during times of war and pasce-can have impactful negative social and health outcomers. Report is ring being und as and of war in Ubiars are drawing global attention to the need for specialized care for sexual and gender-based violence survivors during times of war and thereafter. While data remains limited, in a November 2022 million population in Ukiaria were reported to nee dRIV prevention and response service. Service Gerder by the government and civil society include: a coordination centre of free legal all, online and mobile platforms, charboth, hottines, assistance centres, being drawing and mobile brigdase. Neabilitation services and that SGR and the service and reading of control and mobile brigdase. The service and the service and the social and the neabilitation extents, and the social and mobile brigdase. And the social survices are needing of relabilitation extents, and the social and the neabilitation extents, and the social and the social and the social and the social and the needing of relabilitation extensions are neededeed from necessary care. This is particularly important if we want to ensure that rehabilitation services are meeting the needing of network unlensible polacies. We call on the international rehabilitation community to ensure availability of and access to these with life-changing services.	10.1093/heapol/czad005	
G. Napoles, Hoitsma, F., Knoben, A., Jastrzebska, A., Espinosa, M. L.	agnostic explanation module for	INFORMATION SCIENCES	2023	622			Explanable artificial intelligence, Counterfactual explanations, Symbolic reasoning, Fuzzy clustering, Fuzzy-rough sets	This paper greents. Is Prolog-based reasoning module to generate counterfactual explan-lions given the predictions computed by a Bick-box distance. Our approach comprises for well-effect assigns that can be applied to an syntrourde pattern dassification prob-lem. Firstly, we pre-process the given dataset by imputing missing values and normalising the numerical features. Secondly, we transform numerical features into synthesis (new subject parts) structured pattern dassifications (table on the second parts) and the second pattern and the second pattern and the second pattern are mapped to an ordered site of predefined symbols. Thirdly, we encode instances as a Prolog nule using the normal alvaves, the predefined symbols, the decision distance is an apple and by transforming numerical quantities into symbols. This step comes with an additional theoretical contribution to a new similarity function to compare the prevails consolvable distance prolog nule simolways confidence values. Finally, we incode instances as a prolog nule using the mominal and the Prolog based reasoning module to reade nat-areal tange queries and generate countefactual explanations. During the provide based reasoning module to reade nat-areal tange queries and generate countefactual explanations. During the mominal and the Prolog based reasoning module to reade nat-areal tange queries and generate countefactual explanations. During the mominal advactions (c) 2027 The Asternity, haltishan be prolomatic of our system when using different fuzy operators and adminitry functions (c) 2027 The Asternity, haltishan be prolomate or dor system when using different fuzy operators and adminitry functions (c) 2027 The Asternity, haltishan be prolomate or dor system when using different fuzy operators and adminitry functions (c) 2027 The Asternity, haltishan be prolomated or system when using different fuzy operators and diminitry functions (c) 2027 The Asternity, haltishan be prolomated or the trace as article under the CCB if feetee late	10.1016/j.im 2022 12.012	

	considerations of conversational agents to facilitate discussion and systems thinking		2023	192		Cooperative/collaborative learning, Human-computer interface, Improving classroom teaching, Design, Learning, Systems, Students, Collaborative learning, Design, collaborative learning, Design, considerations, Human computer interfaces, Humanistreaction, Natural language understanding, System thinking	Conversational agents can facilitate learning discussions by applying natural language understanding to process students' discourse. Agents can assume the roles of figures such as peers or memory, to promote actions similar to human interactions. In this study, we explore how and for whom different rule designs of a text based agent (i.e., chitato) can facilitate discussion particum estimates and the study of the s	10.1016/j.compedu.2022.104661	https://www.scopus.com/inward/record un?heid=2- 12.0- 12.8314313045.8doi=10.10161421/compedu.2022.10 46618partnerit3=48md5=41a622256ad3fe0c369a9 75638c04844
	Based Question Answering	INTELLIGENT AUTOMATION AND SOFT COMPUTING	2023	36	1 601	516 Ontology, chatbots, answer- question systems, domain knowledge base, admissions advising	Question Answer systems are now very popular and crucial to support human in automatically responding frequent questions in many fields. Nower, these systems degree on learning methods and training data. The refere, it is necessary to prepare such good dataset, but it is not an easy jab. An ordie-dys-based domain hoovledge base is able to help to reason semantic information and mass effective answers given user questions. This study propose a novel chattor hold imoving good togot generate efficient responses automatically. A case study of admissions advising at the International University-VNU IRCK is taken into account in the prospect chattors. A domain through generating answers to user's questions. The week program and the university admissions using Protego. The Web user interface of the proposed chattor system is developed as a prototype using Reflerant. It induces a search regine resoning the ontdoga part depressions. Duscriptional Structure and the carried out to test how the system reacts to different questions. The first experiment examines questions. Ander for metal the control depression. Structure and the control depression. Superiment accussion. Superiment accussion. Superiment accussion. Superiment accussion. Superiment accussion. Superiment accussions. Depression after data based that the ontology-based chatbot can release meaningful and long answers. The results are analysed to prove the proposed chatbot is usable and promising.		
L	Generating textual emergency plans for unconventional emergencies — A natural language processing approach	Safety Science	2023	160		article, decision making, deep learning, emegency patient, feasibility study, human, human experiment, knowledge base, natural language processing	An emergency plan is an emergency administrative document that specifies the course of actions taken to minimize the effects of a criss or indicent. Establishing sity-active remergency plants have been a fundamental task for various emergency administrate agencies. Traditionally, emergency plants are developed based on the experiences of handling past emergencies, this, may not be well applied to unconventional emergencies that viris in an unrepeated and unpredictable manner. This vous proposes a novel emergency plant generation approach to a sixti decision-making under unconventional emergencies that this goal is achieved by loweraging deep-training based antational langage techniques to endpore the intervisional plants and existing emergency plants developed for common emergencies and the target unconventional emergency. In particular, an emergency response howinding basis is constructed based on a lange number of existing emergency plants, and ther relevant target existing emergency glands based based emergency plant emplate. Furthermore, a novel emergency galen achievation approach is proposed to perform a comprehensive evaluation of the quality of generated emergency plant environal emergency a relevant toorelegic gladed by a <u>prior challence</u> evaluation of the quality of generated emergency plants, tempicial results on a rela-world unconventional emergency case verify the fessibility of our emergency plant generation approach.	10.1016/j.sud 2022.106047	http://www.embauc.com/search/result/stubation viewerocrdikil-ut2020791838/finme-report, http://dx.doi.org/10.1016/j.ssci.2022.106047
W. J. Ni, Shen, Q. L., Liu, T., Zeng, Q. T., Xu, L Z.	emergency plans	SAFETY SCIENCE	2023	160		Natural language processing, Deep learning, Natural	As energency plan is an energency administrative document that specifies the course of actions taken to minimize the effects of a crisics oricident. Establishing high-parally reventerry plans are developed based on the experiences of handling past energency and administrative agencies. Traditionally, emergency plans are developed based on the experiences of handling past energency administrative agencies. Traditionally, emergency plans are developed based on the experiences of handling past energency taken strategies and the special control energies of the strate in an unrepeatable and unpedictable manner. This work proposes a novel emergency plan generation approach to assist devision-making under unconventional energency. In particular, an energency reponse knowledge base is constructed based on a large number of existing energency plans, and the relevant part with respect to be larget unconventional energency is articles. Then the new emergency plans, and the relevant particular, and the relevant plant comparison to assist on a large number of existing energency plans, and the relevant particular and energy of a pre-defined energency plant template. Turthermore, a novel energency plan evaluation approach is proposed to perform a comprehensive evaluation of the quality of generated energency plan evaluation a real-world unconventional energency can template. Turthermore, a novel energency plan evaluation a real-world unconventional energency can template. Turthermore, a novel energency plan evaluation a real-world unconventional energency can template the quality of generated energency plan evaluation a real-world unconventional energency can template. Turthermore, a novel energency plan evaluation a real-world unconventional energency can template. Turthermore, and generation approach.	10.1016/j.std 2022.106047	
Oermann,	On Chatbots and Generative Artificial Intelligence	Neurosurgery	2023					10.1227/neu.000000000002415	
Tosun, E. G.,	Intent Detection Using Contextualized Deep SemSpace	for Science and	2023	48	2 200 202	 Bidirectional long short-term memory, Generalized SenSpace, Intent detection, Natural language understanding, Synset vectors, WordNet 	In this study, a new approach called Contextualized Deep SemSpace is proposed for intent detection. First, the syntext vectors are determined by training the generalized SemSpace method with the WordNet 3.1 data. Then, each word in an intent dataset is transformed into a syntext vector by a contextualized approach, and finally, the syntext vectors are trained with a deep learning model, titrus like one of contextualized approach dataset between the strained with a deep learning model, titrus like one of contextualized approach dataset barres and the strained model in a deep learning model, titrus like one of contextualized approach dataset barres and the strained semantic vectors to the dataset with a deep learning that detection between the success of the proposed approach, some experiments have been carried out on six well-known intent detection benchmark datasets IATS. Since the proposed approach, some experiments have been carried out on six well-known intent detection benchmark datasets IATS. Since the first carries and the strain table approach approach site the most successful intent classifier in the literature. According to these results, to here a still at deep learning bard contactualized symmet wettors can be used successfully in many problems. B 2022, King Fahd University of Petroleum & Minerals.	10.1007/x13369-022-07016-9	http://www.sopus.com/inward/record.un?eidr2- s2.0451348038258dob=10.1007%2/113169-022- 07016- 98partner10=408md5-ca89a68b6ff54eb192630b0 8a88f878
Zambrano, Espin-Riofrio, C., Montejo-	Combining Transformer Embeddings with Linguistic Features for Complex Word Identification	ELECTRONICS	2023	12	1	lexical complexity prediction, linguistic features, features fusion, pre-trained large language models	identifying which words present in a heat may be difficult to understand by common readers is a well-income subtask in text complexity analysis. The advent of deep bangage models basis do textibilished them existed-of-the art in this task by means of end-to-end emissional control text and the subtask of the subtask of them existed of the art in this task by means of Newrithewise. The underlawed text and subtask of them existence of the subtask of them existence of the computational cost needed for training and running such networks is becoming more and more relevant with energy-axing constraints. This stark vegetores leadic comparisy periodical (LD) by combining pre-trained and adjusted trainformer networks with different types of traditional linguistic features. We apply these features over classical match learning dassifiers. Core best-results are observed two that linguistic features can be useful in LCP tasks and may improve the performance of deep learning problem. The results show that linguistic features can be useful in LCP tasks and may improve the performance of deep learning seaters.	10.3390/electronics12010120	
							systems.		
J. Pan	Large language model for molecular chemistry	Nature Computational Science	2023	3	1	5	spicelo.	10.1038/s43588-023-00399-1	https://www.scopus.com/inward/record.un?eid=2- s2.0-8534681844&doi=10.1038%2fs43588-023- 00399- 13gartnerr==040Rmd5=f3a6a31b29f43725a9ba3bb 12618a780
M. Paranthama	model for molecular chemistry Chatbot for Hospital Management	Computational	2023	3 1428	367	vector machine [SVM], Natural language processing [NLP], Preprocessing, Combination, Extraction, Voice note, Code word, Text mining algorithm	As the world becomes more digitalized, technologies have been enhancing day by day and are interconnected in all aspects. It is tedious to book an appointment with doction for all the health-related issues in person. The aim is to create a medical boo application using Al from where we can consult a doctor from our comfort at home. This will assist by reducing travel expenses and enhancing analysiship to medical and/out the medical chibot under our ord. It is amough the most efficient and time-saving innovations, but in need to do many chores, chatbois must be made better in the medical community. The proposed design is using all to develop an endical chibot that chat adjapose disorder and provide basic information before approadent design is developed on data sets and manufacture interact which a takket that has been interacivel developed on data sets and manufacture interaction that compare the comparison to compatitors, more methods where the query, and respond to the question.	10.1007/978-981-19-3590-9_28	s2.0-85146818464&doi=10.1038%2fs43588-023- 00399- 1&partnerID=40&md5=f3a6a31b29f43725a9ba3bb
M. Paranthama n, Gayathri, T., Kanishka, S., Lavanya, R.	model for molecular chemistry Chatbot for Hospital Management	Computational Science SOFT COMPUTING FOR SECURITY APPLICATIONS, ICSCS 2022 Sustainability		3 1428	1	vector machine (SVM). Natral language processing. (NEP) Preprocessing. Combination. Extraction, Voice note, Code word, Text month, Statistical intelligence chattoot, depression, digital mental healthcare context, elevaldy, meterith, technology meterith, technology gentification encopy, striftical intelligence, mental health,	As the world becomes more digitalized, technologies have been enhancing day by day and are interconnected in all aspects. It is tedious to book an appointeme with doctors for all the health-related issues in person. The aim is to create a medical bod application using AI from where we can consult a doctor from our comfort at home. This will assit by technicing travel appears and enhancing availability to medical understanding through a medical distubit under our rook. It is among the most efficient and time saving innovations, but in need to do many chores, chatobs must be medicate better in the medical community. The proposed design is using AI to develop a medical chatobs that be medicated basic information before approaching adoctor. To overcome this imitation, this project creates a patrom from humans to intereact with a table to that be been intensively developed on data sets using machine learning methods. Instead of taking a logical approach to computation, machine learning algorithms take a more analtra approach. The information is ket per to identify the code set of the set of the distribution the set of the information is ket per to identify the code set of the distribution.	10.1007/978-981-19-3590-9_28	s2.0-85146818464&doi=10.1038%2fs43588-023- 00399- 1&partnerID=40&md5=f3a6a31b29f43725a9ba3bb
M. Paranthama n, Gayathri, T., Kanisha, S. Lavanya, R. D. Y. Park, Kim, H.	model for a molecular chemistry Chatbot for Hespital Management Using Al Determinants of interctions to Use Digital Mertal Students, Faculty, and Orgetal Mertal Students, Faculty, and Orace face Staff: Motivation, Perceived Usefund Paracel Lise Motivation Paracel Staff Paracel Lise Motivation Paracel Lise Motivation	Computational science Science Soft Applications Soft Applications Soft Applications Soft Applications Soft Applications Korean J Radiol	2023		1	vector machine (SM). Natural language processing. [NEP, Preprocessing. Combination, Extraction, Vuice note, Code word, Text and State (State) (State) (State) artificial intelligence chathor, depression, digital mental healthrace context, etkalth, meterilith, technology acceptance model, uses and gratifications theory, stifficial intelligence, metal health, perception, software, student hearetistical university university	As the world becomes more digitalized, technologies have been enhancing day by day and are interconnected in all aspects. It is tedous to book an appointment with doctors for all the health-related issues in persum. The aim is to create a needal bod and appointment with doctors for all the health-related issues in persum. The aim is to create a needal bod and the second	10.1007/978-981-19-3590-9_28	sz o 4514648 18464 deci=10 1038%2/44388 023- 00399- 18partneri0=408 md5=f36a31b29(43725a9ba3bb 12618a780 https://www.scopus.com/inward/record.uri?eid=2- 12.0- 831460302088.doi=10.3390%2/hu15010872.8partn
M. Paranthama n, Gayathri, T, Kaisishaa, S, Laxonya, R. D. Y. Park, Kim, H. S. H. Park S. B. Patel, Lam, K.	model for a molecular chemistry Chatbot for Hespital Management Using Al Determinants of interctions to Use Digital Mertal Students, Faculty, and Orgetal Mertal Students, Faculty, and Orace face Staff: Motivation, Perceived Usefund Paracel Lise Motivation Paracel Staff Paracel Lise Motivation Paracel Lise Motivation	Computational a Science Science SOFT COMPUTING COMPUTING COMPUTING APPLGADON APPLGADON APPLGADON (Switzerland) (Sw	2023		1	 vector machine (SVM). Natural language processing. Combination. Extraction, Voice note, Code word, Text mining algorithm artificial intelligence chatbor, degression, digital mental healthare context, elevath, mentalth, technology acceptance model, use and grafficiations theory, artificial intelligence, mental health, perception, goftware, tudent hereignion, all all use, university sector 	As the world becomes more digitalized, technologies have been enhancing day by day and are interconnected in all aspects. It is tedous to book an appointment with doctors for all the health-related issues in persum. The aim is to create a needal bod and appointment with doctors for all the health-related issues in persum. The aim is to create a needal bod and the second	10.1007/978-981-19-3590-9_28 10.3390/su15010872 10.3348/kjr-2023.0112 10.1016/s2589-7500(23)00021-3	sz o 4514648 18464 deci=10 1038%2/44388 023- 00399- 18partneri0=408 md5=f36a31b29(43725a9ba3bb 12618a780 https://www.scopus.com/inward/record.uri?eid=2- s2.0- 83460302088.doi=10.3390%2/hu15010872.8partn

Thomas, M., Snith, S. L., Silverman, L., Pieter-Torres, C., Hall, W., C., Iadarola, S.	CDVID-19 Vaccine Equity and Access: Case Study for Health Care Chattoots	JMIR Form Res	2023	7		e39045	Communication Technology, chatbot, chatbot	BACKGROUND: Digarities in CDND-19 information and vaccine access have emerged during the pandemic. Individuals from historically excluded communities (e.g. Black and Lath American) experience dispopartionately inegative bablih outcomes indiated to CDND-19. Community gais in CDND-19 deviations, out, and health near excises (Indiating accession) should be prioritized as a critical effort to end the pandemic. Mainformation created by the politicization of CDND-19 and related public health measures have manylined the pandemic's valiances, including access to health care, vaccination and testing efforts, as and theoretically driven design process. Communication Technology (ICT) has been demonstrated to relace the gaps of marginalization in ducatoria and access among communics. Clathost are an increasingly present and theoretically driven design process to develop and ret as CDND-19 information. The Dilingual (Eight hand Squarish), chitch and theoretically driven design process to develop and ret as CDND-19 information. The Dilingual Teglita heads to a soluble communication Technology (ICT) has been demonstrated to relace the gain clause and theoretically driven design process to CDND-19 information. The Dilingual Teglita heads and spanish), chitch solubles, community members, and medical team. A total of 21 treatations 61 chitobs were tetted, and a total of 22 B testers participation in this posters. Content was carted primarily provide users with factual answers to common constraint, hand single toroiscil, we identified an evaluation framework to explore eracch, engagement, and statisticion. RSTLS N total of 25 Microbia J submit and and there and statistical efforts. To test the test some multiple project, we identified an evaluation framework to explore eracch, engagement, and statisticion. RSTLS N total of 25 Microbia J submit and and the anter disclipping submit endition, were another and and and tester and walanta teste the gainth version, with an average of 04 uses the formality and teste tes	10.2196/39045	
Unnikrishnan , S.	chatbot platforms with the state-of-the- art sentence BERT for answering online student FAQs	ENGINEERING		17			Untrotty, servi, Matula Barugae understanding, FAGS, Online learning	demands on support staff for help in dealing with general question relating to qualifications and registration. Chattots that implement Frequently Asked Ductions (FAQC) can be a valuable part in this support process. A chattot can provide constant availability in answering common questions, allowing support staff to engage on higher value one-to-one communication with properties tubered. A variety of approaches can be used to create these chattots including vertical platetime, frameworks, and direct model implementation. A comparative analysis is required to establish which approach provide the most accuracy for an existing, available datast. This space compares interd classification results of works and articing of each immervor's to a state of the-art Sentence BRT (SBETT) model that can be used to build a robust chattot. A methodology is outlined which includes the preparation of a university FAQ datasticiation used is to provide constant. The provide constant relations and an antice that the preparation of the state in the activity of the properties of the arts and a university FAQ datasticiation results of partice and articining of each immeries (APA). This method is a state of the arts are generated using their published Apalcation Programming interfaces (APA). This enables interd classification using its term playes and finally comparison of F13 cores. Using en interts comprising 24 training phrases and 85 testing phrases at the F1 - scores oblated. FG Google Dubling(N) (SB) and Microoft OpA NAker (DS5) are very similar to other benchmarking exercises where NLU (Natural Language Understanding) has been compared.		
	A publishing infrastructure for Al-assisted academic authoring	bioRxiv	2023					In this work we investigate how models with advanced natural language processing capabilities can be used to reduce the time- community process of writing and revining schadary manuscript. To this end, we integrate large language models into the Manulot publishing ecosystem to suggest revisions for schedarly text. We tested our Ar-based revision workflow in three case studies of existing manuscripts, including the preventions. Our versits suggest that these models can capture the concepts in the scholarly text and produce high-quality revisions that improve clarity. Given the amount of time that researchers put into cariting prock, we arriting text that is advance will revisions that the type of knowledge work performed by academics.	10.1101/2023.01.21.525030	
S. Polesie, Larkõ, O.	Use of Large Language Models: Editorial Comments	Acta Derm Venereol	2023	103		adv0087 4			10.2340/actadv.v103.9593	
	Convolution- Enhanced Multi-	Jisuanji Yanjiu yu Fazhan/Compute r Research and Development	2023	60	1	153-166	language processing systems, Network coding, Text processing, Channel decoding, Convolution neural network,	Extracting relational trights from unstructured natural language texts are the most critical etcp in building a large-scale nonelapage caused by multiple trights sharing the same entity in text. 2) The current joint entrication mode based on encoder- decoder does not high consider the dependency relationship among works in the text. 3) The excessive large sequence at trights lasks to the accumation and propagation of errors, which affects the precision and efficiency of relation extraction in entity. Based on this, a graph convolution enhanced multi-timame decoding joint enhances that the model social trights lasks to the accumation enhanced multi-tament decoding joint enhances. The text convolution multi- left is proposed, First, the BISTM is introduced as a model encoder to strengthen the two-way feature facion of works in the text; second, the dependency relationship and between the works in the strences. The medited through the gradient convolution multi- hop mechanism to improve the accuracy of relation dissuffication; third, through multi-channel decoding joint exclusion and progradient of the strengthen the seven with factors of the strengthenes. The text is fourth, the experiment selects the current three maintream models for performance wrification, and the results on the WT (New York time) distants ow their accuracy tart, cerial fract, and far as in conseque 49.4%, 5.5.1% and 4.5%. Also, the extraction order starting with the relation is wrified in the WebNLG (Web natural language generation) dataset. © 2023, Science Press, All right reserved.		https://www.soppa.com/inward/record.utribid-2- 201345414446463640157344570an000 1289.2021107/76.partnerf0=408.md5=b398ca0282 775753ad153e760a8/d823
Q. Qiu, Tian, M., Ma, K., Tan, Y. J., Tao, L., Xie, Z.		Ore Geology Reviews	2023	153			Geology, Information filtering, Mineral exploration, Minerals,	Mineral exploration reports and documents are a rind data source that contains a large amount of geological environments in which mieral doposits form. Among them, it is difficul to catact the required answers from the large amount of geological data. Despite the availability of search engines and digital databases that can be used to store geological data, users are unable to retrieve the information needed or a search field on a time amount of the search and burden of browsing and filtering information, which can be a time-commung process. To address this issue, we propose a robust ensist-end approach that can improve the efficiency and effectiveness of retrieving querker related to nimeral exploration terms. First, we pretent an automated workflow for constructing automatic question-and-answer datasets based on on the Wochst platform and constructed experiments for evaluation is presented. During the construction and answer datasets based on on the Wochst platform and constructed experiments for evaluation is presented. During the charge seated fields were and evaluation is presented. The seated based platform and is carbinated to last the seated platform and constructed experiments for evaluation is presented. During the evaluation is presented. The seated relative erails application and ensure datasets are also and the Wochst platform and constructed experiments for evaluation is presented. During based method has powerful feature a large number of mineral exploration ontologies already exist). Ce 2023 The Authors		https://www.stoppa.com/inward/record.un?eid=2- 2-0- 831461466338doi=10.1016/st/j.oregeorev.2021.01 25846partnei1=0-d8md5-ce2801(6s(432/df10bd 0abd35aca71
Q. J. Qiu, Tian, M., Ma, K., Tan, Y. J., Tao, L. F., Xie, Z.	answering system based on	ORE GEOLOGY REVIEWS	2023	153			answering, Natural language processing, BERT model, Corpus construction,	Mineral exploration reports and documents are a rich data source that contains a large amount of geological environments in which mineral deposits form. Among them, it is difficult to extract the required anivers from the large amount of geological data. Despite the availability of sector depines and degital databases that can be used to avail to solve geological data, users are unables to the resolved to to see geological data, suers are unables to the resolved and the subscription and the sector data sector. The data sector	10.1016/j.oregeorev.2023.105294	
S. Rajwal	Chatbot for Four- to Ten-Year-Old Children Based on Emotional	INNOVATIVE	2023	473		675-683	Chatbot, Natural language processing, Child, Emotional intelligence, Child- smartphone interaction	The development of emotional intelligence in children begins during the early years of a child. Although it is the responsibility of parents to help a child in developing emotional awareness, studies have shown the usefully of shows responses in axiding this process. In this paper, the author presents the design of an emotionally intelligent chables for children. The outcomes of an omlines survey conducted among the parents reported that TXO's for the responses to left that an emotionally intelligent interactive chables can be useful for children to cope with interve subject matters related to long grades, no friends, hullies, and ohmen. The study helphyles virions (national of a chubel line are university, personalization, responsimes, succerity, and human intervention. From the findings, the author has suggested five design and develop a highly efficient emotionally intelligent chables for children which is trusted by their parents.	10.1007/978-981-19-2821-5_57	
M., Pang, M., Lie, W., Succi, M. D.	ChatGPT as an Adjunct for Radiologic Decision-Making	medRxiv	2023					BACKBONUD, ChatGPT, a popular new large language model (LUM) kell by OpenAL has shown impressive performance in a momber of opesitive displastance. Dopplast lite fraining popularity and performance of AL studies evaluating the use of LUBA for chickel decision support are backing. PLRPOSE: To evaluate ChatGPTs; capacity for chickel decision support in natiology via the identification of approximate imaging encodes for two importance formation structure. The studies of the MATERIALS AND METHODS: We compared DatGPTs responses to the American Chilege of Bathology (AEI) Appropriate ways also and breast cancers corresing. Our promotiones included an oper-need (CG) format, where ChatGPT was asked to provide the single most appropriate imaging procedure, and a select all that apply (SAT) format, where ChatGPT was asked to provide the single most appropriate imaging procedure, and a select all that apply (SAT) format, where ChatGPT was asked to provide the single most appropriate imaging procedure, and a select all that apply (SAT) format, where ChatGPT was asked to provide the single most appropriate imaging procedure, and a select all that apply (SAT) format, where ChatGPT was asked to provide the single most appropriate imaging procedure, and a select all that apply (SAT) format, where ChatGPT was asked to provide the single most appropriate imaging procedure, and a select all stude of 2) and a SATA average percentage correct of 83.5% for barrear pain prompts. CDNCLUSION: Cur results demonstrate the feasibility of using ChatGPT for raidologic decision making, with the potential to improve clinical workflow and responsible use of raidology services.		
Castro, J. W.,	Family of		2023	49	1	364-383	Chabtost, family of experiments, modelling, usability, Graphic methods, Groupware, Job analysis, Natural language processing systems, Social networking engineering, Class diagrams, Family of experiment, Modeling, Task analysis, Virtual assistants, Unified Modeling Language	Context: Recent developments in natural language processing have facilitated the adoption of natuots in hipically collaborative software engineering tasks (such ad alignem modelling). Familie of experiments can asses the performance of loos and processes and, at the same time, alleviate some of the typical shortcomings of individual experiments (e.g., inaccurate and potentially biased results due to a smill humber of participant). Digetive: Compare the usability of Antaboti for collaborative modelling (Le, SOCO) and an online web tool (Le, Crateky). Method: We conducted a family of three experiments to evaluate the usability of SOCID and an online web tool (Le, Crateky). Method: We conducted a family of three experiments to evaluate the usability of SOCID and an online web tool (Le, Crateky). Method: We conducted a family of three experiments to evaluate faster at building class diagrams built using the chatbot than with the online collaborative tool addimens staffed with SOCID. Beddesch, the class diagrams built using the chatbot thand to the new concise- allebility less complexe. Conclusion: Chatbots appear to be helpful for building class diagrams. In fact, our study has helped us to alte light on the future direction for experimentation in this field and lays the groundwork for researching the applicability of chatbots in diagramming. @ 2022 IEEE.		https://www.scopu.com/inward/record.un?ed=2- 2.0- 8512481384&do=10.1109%2fT8Z.2022.3150720 &gartent0=0.08.md5=1cae6f002214a066d3b6154d d0f85f41

T. Rietz,		International	2023	171			Chatbot, Laddering, Means-	In user research, laddering interviews are particularly helpful in eliciting goals and underlying values. However, laddering	10.1016/j.ijhcs.2022.102969	https://www.scopus.com/inward/record.uri?eid=2-
	agent for human- like online laddering interviews	Journal of Human Computer Studies					end approach, Smartphone values, Value-oriented research, Agent based, Chatbots, Conversational agents, Human like, Mean- end approach, Means ends, Smart phones, Smartphone value, Smartphones	interviews do not scale due to being time and training intensive. In this study, we propose and evaluate Ladderbot, a test-based conversational agent (CO) capable of finitizing human-like online laddering interviews. Cadderbot use test-based face-to-face Laddering to engage in an interactive conversation with users. In a between-subject experimental study with 256 participants, we compare Ladderbot against established survey-based Laddering interviews produce twice as many and significantify oper markers. Additionally, we identify the test-based laddering interviews produce twice as many and significantify oper markers. Additionally, we identify the test-based laddering interviews produce twice as many and significantify interviews produce the subject of		120- 52145014328doi=10.1016K28/j.ijhcs.2022.102969 &partneriD=40&md5=92a6850#97494fe815fcf511a 3221fbb
B. Robinson	Propositions for Digital Writing Under the New Autonomous Model of Literacy	Education	2023	5		. 117-135		The profileration of poweful new forms of automated assistive writing technologies, natural language generation technologies in particular, raises outil a question about the future of itteracy long and learning. This article situates such technologies within the historical trajectory of itteracy studies, arguing that the acceleration of natural language generation platforms like GPT-3 may reflect the emergence of a new autonomous model of itteracy. Guided by resent theretical own on automation and global computation, the article offers a series of speculative propositions for digital writing under the new autonomous moded of itteracy. Guiden of agency and subjectivity within a regime of computational racial capitalism. The article concludes with a gesture towards a resistive digital writing pediagogy wherein itteracy scholars, educators, and students can exist the dominating potentials of technologies ostemibly designed to assist them. © 2022, The Author(s), under exclusive licence to Springer Nature Switzerland AG.		http://www.coppa.com/invard/record.ur/Teid-2 20051245265265466110.1007%2142488-022- 00358- 55patrneti-040Rmd5=7c6e43ex23a119f1ede092b fb6ea9588
K. S. Robinson	Static Control for Roll-to-Roll Manufacturing	IEEE Transactions on Industry Applications	2023	59	1		charge, Chatbots, Electrostatic process, Fault-tolerant systems, Hazardous area, Manufacturing, manufacturing, Manufacturing process, Plastic industry, Static control, Accident prevention	Rol-to-Roll (128) manufacturing is used extensively in printing and flexible packaging industries. These commercially important markets acceed 59:00 US0 annually in the USI xo120 site interpolyment of back y2000. In addition, 25% operations are increasingly used to produce floxible electronic products and medical devices, which are easily damaged by electrostatic discharges (ESD). May materials used in ERD operations such as polyprophrea are insulting making them prone to accumulating static charges. Sparks from accumulated barges can ginte fires, injury employees, and damage products. Accumulated charges also cause static clicit, which can disrupt vanishine executed is Estimate that wates caused by static electricity from injuries, damaged products, and machine downtime exceeds 5000M USD annually in the US. This human sulfering and wates may be eliminated by effective static control systems. Implementing effective static control on an RZB manufacturing line is a 4-step, data-driven process. Firsi, identify sources of static charging with a static survey. Nat, install static disaparts from injuries a data-driven process. Firsi, identify sources of static charging static septers from the static survey. Nat, install static disaparts from injuries a data-driven process. Firsi, identify sources of static charging with a static survey. Nat, install static disaparts from injuries a data-driven process. Firsi, identify sources of static charging with a static survey. Nat, install controlled with second static survey. Lasty, maintian static performance by regularly verifying static performance and by including static control in Management of Charge procedures. © 1972-2012 IEEE	10.1109/TIA.2022.3213229	https://www.scopu.com/invard/record/un7eid-2- 2-0- 85139667328.doi-10.1109%2fTHA.2022.32132298. partner/10-408.md5-2a1841284a8406039f39f9b2c 2/b70d6
M., Rawte, V., Kalyan,	ProKnow: Process knowledge for safety constrained and explainable question generation for mental health diagnostic assistance	Frontiers in Big Data	2023	5			natural language generation,	Virtual Metal Health Asistant (MMHA) are utilized in health care to provide patient services such as courseling and specialized clinical process knowledge (Protinow) used to obtain clinical diagnoses. In this work, we define Protinow as an ordered set of information that may to be obtained based by sufety constraints and Protonov tas an ordered set of information tark may to be obtained by antely constraints and Protonov tas the Healthcare professions use (Protonov) used (Section 2004), we define Protonov as an ordered set of information tark may to be obtained by antely constraints and Protonov table Healthcare professions use (Protonov das), we devine by antely constraints and Protonov table Healthcare professions use (Protonov das), we devine activate the limitations of using state-of-the-art targe-scale information from the patient interactively (Protonov adq), we demonstrate the limitations of using state-of-the-art targe-scale limitation and the applicability with interministic table states and protonov das), we demonstrate the limitations of using state-of-the-art targe-scale limitation and the applicability with interministic table states (Darge Section 2004), and the clinical strating, activate of explanatibility with interministic tables table to compretises safety, logical coherence, and knowledge patient for explanatibility with interministic based similarity to the ground trath. Like with Protonov-alge generation cartory loss to prever distribution sementics. Sade similarity to the ground trath. Like with Protonov-alge generation cartory loss to prever distribution sementics and similary and appretises and similary with eminimizing evolution. Protonov-alge based generations yield a 95K reduction in our metrics to measure knowledge capture-11. In comparison, Protonov-alge based generations (action to reproduccibility, we will make Protonov data and the code repository of Protinow-algo publicity available upon acceptance. Copyright 0 2023 Roy, Gaur, Soltani, Rawne, Kalyan and Sheh.	10.3389/fdsta.2022.1056728	https://www.scopuc.com/inward/record.ur/Reid=2- 12-0 85146922378.doi=10.3389%2ffdstb.2022.105672 88.gartneril-0-40&md5-5da782b1dccfds2ffaef344c 1e819765
Marticorena- Sánchez, R., Martín- Antón, L. J.,	satisfaction of university students with the use of chatbots as a tool for self- regulated	Heliyon	2023	9	1	e12843	appeared to influence the	Chalabits are a promising resource for giving students feedback and helping them deploy metacographice strategies in their learning process. In this study we overknew than sample of 27 inversity students, 22 undergraduate and 25 Mater's digres students in health Sciences. A mixed research methodology was applied. The guaritative study analysed the influence of the variables docational level (notegraduates), master's dargener and level of prof involvedige on the frequency of chatbot use (low v.a sverage), kenning outcomes, and satisfactions with the chatbot's underlanes. In addition, we examined whether the frequency of chatbot use depended on studes's metacognitive strategies. The qualitative study analysed the taulents' suggestions for improvement to the chatbot and the type of quartions it, used. The results indicated that the level of dargene being studies influences the frequency of chatbot area. The specificant differences were also found in students' both, but levels of prior knowledge only influences learning outcomes. Stylinfant differences were also found in students' profer knowledge. No conclusive results were found regarding frequency of chatbot use and the levels of students' metacognitive strategies. Further studies are needed to guide this research based on the students' students students of students' metacognitive strategies. Further studies are needed to guide this research based on the students' students students of students' metacognitive strategies. Further studies are needed to guide this research based on the students' students students of students' metacognitive strategies. Further studies are needed to guide this research based on the students' students are students of strategies. Further studies are needed to guide this research based on the students' students are based to processing students' metacognitive strategies. Further studies are needed to guide this research based on the students' students' metacognitive strategies. Further studies are needed to guide this r	10.1016/j.heliyon.2023.e12843	
Oyedele, L. O., Akanbi, L. A., Ganiyu, S. A., Chan, D.	intelligence in the AEC industry:	Advanced Engineering Informatics	2023	55			Conversational agents, Conversational artificial intelligence, Tourism, Architecture engineering, Artificial intelligence systems, Chabtost, Human language, Language processing, Natural languages, Present status, State of research, Natural	The idea of developing a system that can converse and understand human languages has been around since the 1200. With the advancement in a traitical intelligence (AL), Conversational AL ance of age in 2014 with the laund of apple's Sri. Conversational AI systems beereaged Natural Language Processing (NLP) to understand and converse with humans via speech and text. These systems have been deployed in sectors such as avaiona, tourism, and healthcare. However, the application of Conversational AI in the architecture engineering and construction (AEC) (maktry is lagging, and Ittle is known about the state of research on Conversational AI. Thus, this study presents a systematic review of Conversational AI in the AEC Industry to provide insights into the current development and conducted a Focus Group Discussion to highlight challenges and validate areas of opportunities. The findings reveals that Conversational AI applications hold miners beenfits for the AEC Industry, but is surrently underexplored. The major challenges for the under exploration was highlighted and discusses for intervention. Lastly, opportunities and future research frections of Conversational AI are projected and validated which would improve the productivity and efficiency of the industry. This study presents the status quo of a fast-emerging research area and serves as the first attempt in the AEC Industry, but stakeholders in the AEC Industry, but and statebulders in the AEC Industry, but as 200 provide insights into the new field which be of benefit to researchers and stakeholders in the AEC Industry, but as 200 provide insights into the new field which be of benefit to researchers and stakeholders in the AEC Industry, but as 200 provide insights into the new field which be of benefit to researchers and stakeholders in the AEC Industry (Bingles 200 provide nights into the new field which benefit be asserted benefit as the statement of the AEC Industry (Bingles AEC Industry).	10.1016/j.aei.2022.101869	https://www.scopu.com/inward/record.ur/Reid=2- 12- 851459706128.doi=10.1016%2fj.ael.2022.1018698, partner01=408.md5=4b1/21/dcb1fg.96dcdd93069f8 2cc3b
Barletta, Caivano, D.,	AHP evaluation based on "quality in use" of ISO/ IEC	INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS	2023	170			Medical-chatbot quality, Clinical gathway, AHP, ISO, IEC 2010, IHERARCHY PROCESS, CRITERIA, DESIGN	Background: Conversational agents are currently a valid alternative to humans in first-level interviews with users who need information, even in-depth, about services or products. In application domains such as health care, this technology can become pervaive only (IP to pervices ⁴ quality) rule s'a supportaite to work on measure chalout gality is an ogen auestion. The international standard ISO/IEC 25010 proposes a set of characteristics (effect-iveness, efficiency, satisfaction, freedom from risk, and context coverage) to be considered when the "quality in user of a optivare system has to be messaure back that do that to coverage to be considered when the "quality in user of a potware system. The proposed approach pointings: Cur contribution is valued. First, we propose a gent of measure for each characteristic of ISO/IEC 25010 accordings to three classes of functionality: providing information, providing prescriptions and process management. Morever a quantitize method is proposed for mainting homogeneous the paintive weights when the AHP is used for the "quality-in-size" comparison. As a case study, a comparison of two versions of a chatbot was performed. Conclusions: The results whow that the proposed approach provides an effective reference base for performing quality comparisons of metical chatbots compliant with the SO/IEC 25010 standard.	10.1016/j.ijmedinf.2022.104951	
A. Santosa, Tan, T., Roslan, N., Li, J.			2023	26			consultation, female, health	Background. Al-backed conversional agents or charbox have been used as digital healthcarn intervention to deliver con- effortion to the single strength apport. They have been used as digital healthcarn intervention to deliver con- effortion to the single strength apport. They have been used as digital healthcarn intervention to deliver con- ditional to the single strength apport. They have been used as digital healthcarn is disposed apported to people with the second strength apport. They have been used as digital health healthcarn between the a public fixing databate that allows users to use the symptom checker function to screen for potential systemic relations in Singapore at use a public fixing databate that allows users to use the symptom checker function to screen for potential systemic relations inflammatory arthritides are advised on early presentation to a primary healthcare physician, which serves the purpose of validating screening and triaging by the charbox and potential exclusion for users presculate care. The study assesses the impact of the chatbot intervention by assessing the acceptance of the chatbot as a digital health intervention for screening, triaging and patient exclusion. Methods: Sizentian Agritude and animatology constraint chino rever intervention for screening, triaging and patient exclusion. Methods: a sizent who as therefore a messared on a size triads users, patient was also been plots. Sizentian Agritude the sizent screening the relative and the screening screening, triaging and patient distributed. All sizentiant for gains, and a literate At the reveals were alwayed Results con- strength and the screening screening and the sizent and the screening screening were alwayed as the sizent and the sizent and the sizent screening were alwayed and the sizent screening were alwayed and the sizent and the sizent and the sizent screening were alwayed and the sizent were alwayed were constrained. All plus for the sizent and the sizent screenis were alwayed were constrained and gain the si	10.1111/1756-185X.14562	http://www.embace.com/yeard/result/testal/babaction -viewecondikid=16402431788/non-seport, http://dx.doi.org/10.1111/1756-38514502
T. J. Sejnowski	Large Language Models and the Reverse Turing Test	Neural Comput	2023	35	3	309-342		Large language models (LLMs) have been transformative. They are pretrained foundational models that are self-supervised and can be adapted with fine-tuning to a wide range of natural language tasks, each of which previously would have required a separate network model. This is one self-osci to the extraordinary versatility of human language. CFT and, more recently, LaMDs, both of them LLMs, can carry on dialogs with humans on many topics after minimal priming with a few examples. However, then the salse na wide range of reactions and debiase to whether these LLMs understand what they are saying or enhibit signs of intelligence. This high variance is enhibited in three interviews with LLMs reaching wildly different conclusions. A more possibility was uncorrect that could exaptin this divergence. What appens to be intelligence in LLMs are law in a fact ba mirror that reflects the intelligence. This line target and the same target and the same target and the same same that the same interview are used to the by studying interviews, we may be learning more about the intelligence and their of the interviewer that is intelligence to their the relevance of the LLMs. As LLMs become more capable, they may transform the way we interact with machines and how they interact with ach other. Increasing, LLMs we being coulded with suscemator devices. LLMs can that the tails, but and the was the was also that could be achieving artificial general autonomy is outlined with seven major improvements inspired by brain systems and how LLMs could in turn be used to uncover new insights into brain function.	10.1162/neco_a_01563	

Hama, R. S., Eisenhauer, C., Khazanchi,	Ask, 'When You Do This, How Much Pain Are You In?': Content Preferences for a Conversational Pain Self- Management Software Application	J Gerontol Nurs	2023	49	1	Nov 17		Incorporate in an interactive application (app) for pain self-management. Conversational statements and questions were written as a script encourage evidence shade pain self-management behaviors. The content was converted from text to female chatots speech and saved as four groups of MP3 files. A purposive sample of 22 older adults participated in a guided interaction through the MP3 files. One one interviews were conducted to game participants' conversional content preferences. Overall, participants's want the conversational content to increase health care provider engagement in pain management communication. Older adults prefered the inclusion of conversational sitements and questions for monitoring the multificacted dimension of pain, treatment accountability, guidance for alternative treatments, and understable effects from pain treatments. The design of molastic pain that pages must incorporate the needs and preferences of older adults. [Journal of Geomological Nursing, 49(1), 11-17.].	10.3928/00989134-20221205-04	
Y. Shen, Heacock, L, Elias, J., Hentel, K. D., Reig, B., Shih, G., Moy, L.	Other Large Language	Radiology	2023			230163			10.1148/radiol.230163	
A. Shigarov	Table understanding: Problem overview	Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery	2023	13	1		table extraction, table interpretation, table mining, table recognition, Data mining, Knowledge based systems, Natural Ianguage processing systems, Satural Ianguage generation, Question Answering, Relational data, Table detection, Table understanding, Extraction	Tables are probably the most natural way to represent relational data in vincos media and formats. They store a large number of valuable facts that could be utilised for question answerink, providegic base population, natural language generation, and other applications. However, many tables are not accompanied by semantics for the automatic interpretation of the information they present. Table Understanding (TU) aim at receiving the missing semantics that enables the extraction of facts from tables. This problem covers a range of issues from table detection in document images to semantic table integrituation with the high of external howing legals. To fact, the TU research tables are not accompletely Neverthieses, there is no common paint of view on the scope of TU; the terminology still needs agreement and unification. In recent years, science and technologin betwom a rapidy increasing interest in TU. Howedays, it is expectively important to check the meaning of this research problem once again. This antice gives a comprehensive characterization of the TU problem, including a discription of its subproblems. Tasks, subtaks, and parkations. Tak of discuss the common initiations used in earlistination. This article is categorized under .Algorithmic Development > Text Mining Algorithmic Development > Web Mining. © 2022 Wiley Periodicals LLC	10.1002/widm.1482	http://www.scops.com/nward/record.un?eid-2- 2-0 85142149718.doi-10.1002?ic?twiem_14828.partne 100=08.md5=1b9767082c76446999fe4c60d39ef974 8
	Understanding Digital Mertal Health Needs and Usage With an Artificial Mental Health Mental Health Mental Health App (Wysa) During the COVID-19 Pandemic: Retrospective Analysis	JMIR Form Res	2023	7		e41913	health intervention, digital	BACKBRONID: There has been surge in merial health concerns during the COVID-12 pandemic, which has prompted the increased use of digital platforms. However, there is title known about the methal health meets and behaviors, as the observed that population during the pandemic. This study aims to [1] this knowledge pap through the analysis of real-world data collected from users of a glital methal health app (Wyan) equivaling their engagement platforms and behaviors, as shown by their usage of the service. OBJECTIVE: This study aims to [1] examine the relationship between metal health distress, digital health update, and COVID-31 case members; [2] evaluate engagement platforms, the app's installations. MEHODS: This study used a retrospective downers; [2] evaluates the COVID-31 pandemic, the app's installations and endomand laternces were mapped against. COVD-31 case munkers, and their panks. The engagement platforms and endomand laternces were mapped against. COVD-34 case munkers and their panks. The engagement of the users from this period [10-5543] with the Wyas ap was compared to that of equivalent sampled outcase from a pre-COVD-39 proided (2000 Frankson). The efficacy were assessed for users who completed pre-post assessments for symptoms of depression (m-2063) and anxiety (m-1995) on the Platent Health Questing platforms in the United Biogenet (9-100). The filling value was also between a significant to platform exceed by the platform (4-COVID) period (300 Reinstellow RESULTS. Covid finding demonstrate a significant to platform emotion in the United Biogenet, as downed on the Amm-Whinney Level RESULTS. Covid finding demonstrate a significant to platform emotion distress in the number of Installs of the Wyas mental health app and the pasks of COVID-30 resonance in the United Biogenet, as downed on the Amm-Whinney Level RESULTS. Covid particular to significant to platform the emotional distress increased substantially during the pandemic, prompling app and the pasks of an astrict and Instigue	10.2196/41913	
Savage, S. K., Andrew, E. H., Martin,	and Implementation of Novel Chatbot- based Genomic Research	bioRxiv	2023					OBECTIVE: To conduct a retrogenetive analysis companing traditional human-based consenting to an automated chal-based consenting process. MATERIALS AND METHODS: We developed an exe hat-based conventing or UB-sympred consent forms. We leveraged a pervicuity developed platform (lise", or "Genetic Information Assistant") to deliver the chat context to conductate participants. The context included information about the study, descinational information, and aquit to assess understanding. We analyzed 14 damilies referred to our study during a 6-month time period. A total of 37 families completed consent using the traditional process, which als 15 families completed consent using the traditional (active and the 15 families completed consent using the traditional process, which is 16 studies). The molian length of the consent consent strates were similar between both consenting methods. The median length of the consent consent completer active asses compared to traditional (44, xx, primules). Additionally, the tast line from inferent to consent completion was faster referes to the device of the traditional process, which is the statist information and a star (35) psixed. Freedback about the data consent indications that associate precisions that all sources that consent discusses that is 16 satistic both the participant and study ratif. The chattor enables studies to reach none patiential candidates. We identified the sky features related to human-centered devices that (35, consent data). CONCLUSIN: This analysis candidates that it is fastist to use an automated chattot to scale obtaining informed consent for a genomics research study. We further identify a number of advantages when using a chattor.	10.1101/2023.01.23.525221	
W. S. M. Sodré, Duarte, J. C.		Revista de Informatica Teorica e Aplicada	2023	30	1	32-43	Chatbot, Framework, Sentiment Analysis, Timeline Tree	A chathor or conversational agent is a software that can interact or "chat" with a human user using a natural language. Itele fights, for instance, Sonce the first chathor developed, many hube been created but must of their problems till persist, ite providing the right answer to be user and user acceptance itself. Considering such facts, in this work, we present a chathort- building framework that considers the user of estiminist analysis and tree timelines to provide a better chathort answer. For instance, as presented in our experiments, the user on the addressed to a human attendant when its sentiment is very negative, or even try another tranch of the tree timeline, as an alterative answer, whenever the user testiment is less negative. © 2023, Federal University of Rio Grande do Sul, institute of informatics. All rights reserved.	10.22456/2175-2745.125825	https://www.scopus.com/inward/record.uri?eid=2- s2.0.451/47367897&doi=10.22456%2/2175- 2745.125825&abritentl=104&md5=a192/853006/7 Saafa499988c17220/d
Edwards, T. C., Jaere, M.	triage tool may optimise referral	Digit Health	2023	9		2,1E+16	digital health, e-triage, knee, medical informatics, screening, surgery, certifies that he or she has no commercial associations (e.g. Consultancies, stock ownership, equity interest, patent/licensing arrangements, etc.) that might, pose a conflict of	INTRODUCTON: thee pain is caused by various pathologies, making evaluation in primary-care challenging. Subsequently, an over-reliance on imaging: such as radiographs and Mit exist. Extension-tratege tools presente an innovative solution to this problem. The aims of this study were to establish the magnitude of unnecessary lose imaging prior to orthopadic surgeon referal, and ascirative tool odoperforms existing clinical pathways to recommend correct imaging. MCTHIODS Patients 218 years presenting with lone pain treated with arthroscopy or arthropistary at a single academic hospital between 2015 and 2020 were retropercedively detelfield. The timing and appropriateness of imaging were asseed according to rational patienties, and classified an 'increasary' or 'required MMT. Based on an obliphi consensus study, a propertise is neglised as "increasary' cancersary' or 'required MMT. Based on an obliphi consensus study, a propertise is neglised as "increasary'. Expression and an expression of the patient patient study of the study of the s	10.1177/20552076231152177	
C. Stokel- Walker	ChatGPT listed as author on research papers: many scientists disapprove	Nature	2023	613	7945	620-621	*Authorship, *Publishing/legislation & jurisprudency/tends, *Artificial intelligence/legislation & jurisprudence/trends, *Research Report/standards/trends, Ethics. Publishine		10.1038/d41586-023-00107-z	
	What ChatGPT and generative AI mean for science	Nature	2023	614	7947	214-216	*Algorithms, *Artificial Intelligence/trends, *Science/methods/trends, Machine learning, Mathematics and computing,		10.1038/d41586-023-00340-6	
C. Stokel- Walker	Al chatbots are coming to search engines - can you trust the results?	Nature	2023				Publishing Human behaviour, Information technology, Technology		10.1038/d41586-023-00423-4	
C. Stokel- Walker	Al chatbots are coming to search engines – can you trust the results?	Nature	2023				chatbot, information technology, note, search engine, trust		10.1038/d41586-023-00423-4	https://www.embase.com/search/results?subaction =viewrecord&id=L2021594519&from=export, http://dx.doi.org/10.1038/d41586-023-00423-4
Webson, A., Sanh, V., Hoover, B., Beyer, J.,	Interactive and Visual Prompt Engineering for Ad-hoc Task Adaptation with Large Language	Transactions on Visualization and Computer	2023	29		1146- 1156	language processing, zero- shot models, Computational linguistics, Job analysis, Natural language processing systems, Visual languages, Zero-shot learning, Computational modelling,	State-of-the-et neural language models can now be used to solve al-hoc language tasks through tero-ohd prompting without the need of superviced training. This soprach has gained popularity in recert years, and researches the welemostated prompts that adhieve strong accuracy on specific RVI tasks. However, finding a prompt for new tasks requires experimentation. Different prompt transflaxs with afferent wording plotose lead to significant accuracy differences. Frongton El alors uses to experiment with prompt variations, visualize prompt performance, and iteratively optimize prompts. We developed a wortflow that allows uses to find focus on model feedback using small task before moving on to a large data regime that allows empirical grounding of promising prompts using quantitative measures of the task. The tool then allows easy deployment of the newly created ad-how models. We demonstrate the utility of PromptIDE (demo: http://prompt.vishub.ai) and our wortflow using several real-world use cases. © 2022 IEEE.		https://www.scopu.com/inward/record.uti?8id8-2- 2-0- 85.13820048.8doi-10.1109%217VCG.202.22047 98partner10-d08md5-id5dc20bc484230089346dc 579216d6f

Zhitomirsky- Geffet, M., Elmalech, A.	Question answering with deep neural networks for semi-structured heterogeneous genealogical knowledge graphs	SEMANTIC WEB	2023	14	2	209-237	Question answering, genealogn, neural networks, knowledge graph, natural language processing, Transformers, cultural heritage, NATURAL- LANGUAGE GENERATION, PERFORMANCE, HISTORY	With the rising popularity of user-generated genelogical family trees, are genelogical information systems have been developed. State of the art natural question answerming algorithms use deen perult network (NNI) articulture based on handless attention networks. However, some of these models use sequence-based inputs and are not sublate to work with graph-based structure, while graph-based DNI models require training datasets that are absent in the genealogical domain. This study proposes an end-to-end approach for question answering using granesalogical flavor training a transformation being training them to texts, [3] converting them to further the [1] perpetenting genealogical data as knowledge graphs. [2] converting them to texts, [3] conditing them with unstructured texts, and [4] training a transformation. The finding product for question answering using genealogical all and scatcured model (Lincé Bra1). Trained on the auto generated genealogical dataset and state-of-the-eri question answering models was performance. The finding introduces that there are generated genealogical dataset and state-of-the-eri question answering products and the state of the state of the art question answering work [1] expectenting training a transformation. The finding introduces that there are generated genealogical dataset and state-of-the-eri question answering models was performance. The finding introduces that there are generated genealogical dataset and state-of-the-eri question answering protectical implications for genealogical resourch and real-world projects, making genealogical data accessible to experts as well as the general public.	10.3233/5W-222925	
W. Sung	More Than Just a Memory American Artist's "sandy Speaks," Black Digitalities of Care, and the Politics of Technological Refusal	Feminist Media Histories	2023	9	1	123-143	American Artist, Black technologies, care, chatbot, digital art, digital media, failure, police violence, race,	This artice examines. American Artis's installation "sandy speaks," a chattor inspired by Sandra Band's media activiny, as an analytical connective point to pathways of Black technological circling and hardros of Black digitality and care. First connecting the work to its predigital antecedent. The Hegro Green Book, the article then argues that the typical aspirations of chattoba to approximate the human's discoved mit "Sandy Speaks" enclosed [Black technological circlicage of the human Instel. Moreover, departing from celebratory discourses of Black technological almovation, the chattor's low Al instratiates what the author calls a policies of technological refusi-1 a space of deletance technological limitation as criticae. This article as what might happend when we set potentiallities of Black parasis in the slow, broken, dd, technological forms, not as remerly, but as theory, critique, and an unding of the recogneration of technological inmovation as most legible mode of recognition. C 2023 by the Regents of the University of California. All rights reserved.	10.1525/fmh.2023.9.1.123	https://www.scopu.com/inward/record.uri?eid-2- 2-0 8514798802840-iD.1555%2ffmh.2023.9.1123& partner01-048md5-ba808ae823545f95973d5c3a7 9751a04
Park, D. S.,	Classification Performance of	COMPUTER MODELING IN	2023	135	1	795-808		The entry rine a hyper-connected society increases the generalization of communication using SAS. Therefore, research to analyze big data accumulated in SAS and extract meaningful information is being conducted in variance lists. In particular, which the recent development of Deep Learning, the performance is rapidly improving by applying it to the field of Natural Language Processing, which is a language understanding technology to obtain accurate contextual information. In this paper, when a chalbot system is applied to the healthcare domain for counseling about diseases, the performance of NLP integrated with machine earning for the accurate dastification of medical subjects from tech-based health counseling data becomes important. Anong the various algorithms, the performance of full integrated with the addition of CMLR, BML, STAM, and GRU. For this papes, the health counseling data becomes important with other algorithms (CMLR, BML, STAM, and GRU. For this papes, the health counseling data of Naves crawled as a dataset. KOBERT was used to classify medical subjects according to symptoms and the scarare of classification results was measured. The simulation results show that KOBERT model performed high performance by more than SN and dose to SM sist age as the smallest.	10.32604/cmes.2022.022465	
Santosa, A.,	The development of development of a development of a development for a gent for a conversition of the development of the develo	isternational Journal of Rheumatic Diseases	2023	26			compound, adult, arthritis, Asia, Asian, chatbot, conference abstract, decision support system, female, health care system, human, male, musculoskeletal disease, outcome assessment, patient triage, physical disbility, physician, pilot study, primary health care, rheumatic disease, rheumatic disease,	Background: Rhemmitel disease are among the leading causes of physical disability workswids. It mely assessment and early treatment of thematic disease improves functional outcome of physical disability workswids. It mely assessment and early treatment of hematic disease improves functional outcome of physical disability workswids. It mely assessment and elemand for health vertices. In Alas, the walability of etabless perical physical disability workswids. The physical material conditions and delivering knowledge to people with mematic conditions are currently lacking. Methods: In this plot study, a regional healthcare system in Snappore study as webside disto that has multiple functions: [1] The syngtom chacker function allows users to answer a series of questions to screen for rheumitic disease and musculoskeletal disorders, and subsequently triages the user to serve uprise non-editation real and uprise on autombodies. [3] The healthcare resource related equiry function provide assistance for enquiries on mediation relinal asponiment schedulity. The one syngtom decker function adopted a dual-method of screening and diagnosis of mematic disease patients who have been assissed to the ent to graving historic physica, who mediations and coursening and faignosis involved in the design of the chabitor. The songraphene they dual the unductive displated frame displations physical solutions of physical solutions of physical solutions of physical solutions of the healthcare resource related english function physical frame displated for the coursel gain diagnosis for the unstability of the habitor as required. The initial scoring yotem was constructed by 3 thermatic displates physical displates that any solution as required. The initial scoring yotem was constructed by 3 thermatic displates in the dual by a displates of the course and a transplates of the course and a transplates of the course and there any physical solutions of the europeal of the chabitor. The solutis of the physical solutions of multi-r	10.1111/1756-185X 14505	http://www.embarc.com/ourd/result/Subation wierwcord/ait-Lod22/368/fm-export, http://dx.doi.org/10.1111/1756-185X.14505
G. Tang	Letter to editor: Academic journals should clarify the proportion of NLP-generated content in papers	Account Res	2023			01. Feb	ChatGPT, Misconduct in research, NLP system, Research ethics, Research integrity	This letter to the editor arguest that if Academic journals are willing to accept papers that include NLP-generated content under certain continion, existicnia policies should durity the proportion of NLP-generated content in the paper. Excessive use of NLP- generated content should be considered as academic misconduct.	10.1080/08989621.2023.2180359	
H. The Lancet Digital	ChatGPT: friend or foe?	Lancet Digit Health	2023						10.1016/s2589-7500(23)00023-7	
	ChatGPT is fun, but not an author	Science	2023	379	6630	313		In less than 2 months, the artificial intelligence (AI) program ChatGPT has become a cultural sensation. It is freely accessible through web portal creates by the tool's developer, OpenAI. The program-michi automatically creates test based on written promoti-sis opposite that is likely to be at capacity right nore "I you attempt to use II. When you do get through, ChatGPT provides endelse entertainment. Lasked it to rewrite the first scene of the classic American play Death of a Saleman, but to feature Princes Elsa from the animated move Freema s the main character instead of Willy Ioman. The orbit was an amusing conversation in which Elsa-win bas come home from a tough day of selling-is told by hers on happy. "Come on, Mom. You're Ella form Foren You're unstoppleford "Mash-ups lite this are certainly fun, but there are serious implications for generative AI programs like ChatGPT in science and academia.	10.1126/science.adg7879	
Singh, R., Ray, M.	Natural Language Processing for Covid-19 Consulting System	Procedia Comput Sci	2023	218		1335- 1341	Nip, covid-13, dialogue system, sequence-to- sequence, transformer	The world was taken aback when the Covid-19 pandemic hit in 2019. Ever since precautions have been taken to prevent the spreading or mutation of the virus, built in the virus sill loops preventing and mutating. Scientists predict that the virus is pill on stary for a long time but with reduced effectiveness. Recepting the synthesis of the virus is and the virus is pill one projec transmer for the virus. Vitiling hospitals for consultation becomes quite difficult when people are useful to the virus. Vitiling hospitals for consultation becomes quite difficult when people are considered for the virus. Vitiling hospitals for consultation becomes quite difficult when people are conditioned in the virus is an end to the virus is a subscript on the subscript and the virus is an end to be the virus vitiling hospital for the virus is a subscript of the virus for the virus vitiling hospital for the virus vitiling hospit	10.1016/j.procs.2023.01.112	
Teixeira da	Can ChatGPT be trusted to provide reliable estimates?	Account Res	2023			01. Mrz	Artificial intelligence (AI), ethics, knowledge, transparency, trust		10.1080/08989621.2023.2179919	
A. Tuomi, Ascenção, M. P.		Journal of Hospitality and Tourism Insights	2023	6	1	151-173		Purpose: Automation poses to change how service work is organized. However, there is a lack of understanding of how automation influences specific sectors, including specific hospitally jobs. Addressing this gap, this paper looks at the relative automatability of post and task which fail within one specific hospitality (orbits: functional constraints) and a strain term of the sectors of the	10.1108/JHTF-07-2021-0175	http://www.sopus.com/inward/record.un?eld=2- s2.0.45118970688.8doi=10.108%21/HT-07-2021- 0755Apartnerin=0-26.8doi=5171980/54ba16498448 e1989a51aa5/7
									10.1038/d41586-023-00288-7	
E. A. M. van Dis, Bollen, J., Zuidema, W., van Rooij, R., Bockting, C. L.	ChatGPT: five priorities for research	Nature	2023	614	7947	224-226	*Machine Learning/trends, *Writing/standards, *Research/standards/trends, Computer science, Machine Jearning, Publishing, Research management			

J. P. Wang, Tanes-Ehle, Z.	Effects of	JOURNAL OF BROADCASTING & ELECTRONIC MEDIA	2023	67	1	68-89	PERSUASION, HEALTH, NEED, RESISTANCE, CLOSURE, SCALE	Conspiracy beliefs are commonly seen during times of uncertainty. This study examined whether a chatbot offering counter- complicacy information can mitigate comparise bields and the role of chatbot empathy on its effectiveness. We conducted an online experiment in two different contexts (funde tachage vs. covid-31) (N = 130). The results showed that a for Covid-39 participants who interacted with the chatbot with less empathetic expressions showed fewer changes in compariso beliefs than those who read the scientific news article. Regarding climate change, a chatbot with more empathetic expressions was more effective in changing conspiracy beliefs than an article, but only for people who can tolerate ambiguity.	10.1080/08838151.2022.2153842	
Qin, Y., Deng, D., Wei, J., Zhou, Y., Fan, Y., Chen, T., Sun, H., Liu, L,		IEEE Journal of Solid-State Circuits	2023	58	1		of-order computing, processor, self-attention, speculating, Transformer, Artificial intelligence, Computer hardware, Energy efficiency, Energy utilization, Green computing, Natural	Transformer-based models achieve tremendous success in many artificial Intelligence (Al) tasks, outperforming conventional convolution eval networks (QINA) from natural language processing (NUP) to compare vision (CI). There success relies on the self-attention mechanism that provides a global rather than local receptive field as CINs. Despite its superiority, the global- level self-attention consums. 100 memory comparison than CINS and cannot be effectively handled by the existing CINN processor due to the distinct operations. Its Integries an urgent requirement to design a dedicated Transforme processor. However, global acle attention involvem same enturally existent weakly related totaken (NIN-Token) due to the redundant contents in human languages or images. These WR-Tokens generate zero an tear-zero attention results that introduce emergy comparison to the strategies of the strategies and the series or attention to the strategies of the stra	10.1109/JSSC.2022.3213521	http://www.scopac.com/inward/record.ur/teid=2- 32-0- 85141573048doi=10.1109K2ftSC2-2022.2313521 8.partnet0=-0408md5=13e02b07207a01858fd5e6c4 0507eee2
Sangha, P., Cooper, L., Sedoc, J., White, S., Gretz, S., Toledo, A., Lahav, D., Hartner, A.	Usability and Coreliability of Coreliability of Coreliability of Corr Young Adults and Health Workers in the United States. Formative Mixed Methods Study		2023	10			development, conversational agent, health information, natural language processing, risk communication, usability,	BACKGR01ND: The CXV0-15 gandemic raised need hollenges in communiciting reliable, continually charging health information to a broad sometime sketolical public, particularly around CXVP-15 vaccines, which, explice being comprehensively studied, were the subject of viral ministromation. Charlots are a promising technology to reach and engage populations during the pandemic. To inform and communicate effectively with users, charbots must be highly usable and and credible. OBECTIVE: We sought to understand how young adults and health workers in the United States assessed the usability and credible. OBECTIVE: We sought to understand how young adults and health workers in the United States assessed the usability and credible. OBECTIVE: We sought to understand how young adults and health workers, in the United States assessed the usability and credible. OBECTIVE: We sought to understand how young adults and health workers, in the United States. We user experience to subport vaccine decisionaire to understand the tool's majorital ponders. Methods: We recruited racially and ethnicially diverse young people and health workers, with both groups from urban areas of the United States. We used the validated Charlot Usability Questionaire to understand the user apperience, whether they precisived the holtbot as confidential to understand and how they would use the charlot. We code and categorized the states are else and the user state and and how they would use to the charlot. We code and categorized care staged from espondents asid the charlot usability questionaire and the charlot. Use code and categorized care staged from 40.6 to 53.5. Interview participant's session of charlot usability due contains and y (26.52, 786). States and the abademic state the charlot to add atta mitight usability and ceability. RESULTS: In all, SS participants completely and the to charlot code atta mitight usability due to its strong functionality, performance, and prevende confidentially and that the charlot code atta mitight	10.2196/40533	
Zhang, P., Zhou, L., Ren, J., Piao, Y., Qiu, B., Xie, X., Wang, S.,	Perception of Differences between NLP- Produced and Human- Produced Language in the Mentalizing	Adv Sci (Weinh)	2023				human language, implicit perception, mentalizing network, natural language processing	Natural language processing (NUP) is central to the communication with matchines and among ourselves, and NUP research field has long ought to produce humm-quality language. Identification of informative critics for massing (NUP-produced language) quality will support development of ever-letter NUP tools. The authors hypothesize that meetaling network neural activity may be used to distinguish NUP-produced language, from human-produced language, even for cases where human luights cannot subjectively distinguish. The Produced language, behavioral tests which reveal disturbance of personality prevented from chattors human busings cannot be readed to the social chatbors Google Meena in figition and Microsoft. Xiaote in Chanse to generate NUP-produced language, behavioral tests which reveal disturbance of personality prevended from chattors chattors in generate constructions generating neuroimaging analysis which reveal disturbance of personality prevended from chattors activity in the mentalizing network including the DMPCR and TPI in response to chatbot versus human dusts that cannot be distinguished subjectively are conducted. This study illustrates a promising empirical basis for measuring the quality of NLP- produced language: adding a judge's implicit perception as an additional criterion.	10.1002/#dvs.202203990	
W. Wilsak, Zwaneburg, S. P., Paton, C.	Supporting Autonomous Motivation for Physical Activity With Chatbols During the Postaron Postaron Postaron Postaron Pandemic: Factorial Experiment	JMIR Form Res	2023	7		e38500	motivation, chatbots, factorial	BACKGROUPD: Although physical activity can mitigate disease trajectories and improve and sustain mental health, many people have become less physical activity the ICOD-19 approximation. Evenous informations technology, such as activity traiteers and chatosts, can technically converse with people and possibly enhance their autonomous motivation to engage in physical activity. The iterativity constrained the enhances of the additional activity traiteers and the endage of the enhances of the endage of the endage of the enhances of the endage of the endage of the endage. The endage of th	10.2196/38500	
B. Yang, Sun, Y. Q., Shen, X. L.	Understanding Al-based customer service resistance: A perspective of defective Al defective Al defective Al defective Al defective Al defective Al defective Al	PROCESSING &	2023	60	3		Emotional intelligence, Customer resistance, USER RESISTANCE, INFORMATION- TECHNOLOGY,	Communicating with outdomer though Al-based obtabulis in cultomer service (MSC) has become linerasingly popular for many companies. However, in studie service routients, ASC servers in addition to two cognition-centered Al features (i.e., rerevant and based information (discussed in prior studies, this study populars that lack of engites) is another key feature of detective Al (i.e., n'is sensional servers) and integration of the servers and the servers of the study feature of detective Al (i.e., n'is sensional dimension) and investigates the underlying mechanism of empathy. Specifically, this study proposes three pathways in which empathy functions are taking. A survey was conducted to test our hypotheses, and the results suggest that lack of empathy has three effects on customer resistance: direct, indirect, and moderating. Finally, theoretical contributions and practical implications are discussed.	10.1016/j.ipm.2022.103257	
Ogata, H.,	Guest Editorial: Human-centered Al in Education: Augment Human Intelligence with Machine Intelligence	TECHNOLOGY &	2023	26	1		education, Humanity, Sustainable education, Future	This special issue focus on underlying research with the use of human-centered AI (Artificial Intelligence), where the new design methods and tools can be leveraged and evaluated, hops to advance A research calculation, policy, and practice to improve the human condition in education. This special issue intends to advocate an in-depth dialogue between researchers with diverse thoughts, gender, shindly, and cultures, a well as a coss disclippines, leading to a batter understanding of human-centered AI. Beneficial interactions between researchers could enhance the adoption of human-centered AI in education. This special issue includes to nappear demonstraing how to sugment human intellignence, this the intellignence. The child human-centered AI in education, AI in larguage education, AI in learning analytics, celtical resolutiong, AI in the clinical workplace, melligner decision motors, In an Kin firmmondy, intellignet curve recommediation, education adoptia, intellignet assessment. Together with the ten papers, we achieve a better understanding of the application of human-centered AI in education AI in education.	10.30191/ETS.202301_26(1).0007	
Chen, J. H.	Pre-service teachers' perceptions and intentions regarding the use of chatbots through statistical and lag sequential analysis	Intelligence	2023	4			behavior analysis, Pre-service teacher, Technology enhanced learning	systems. Educational chatbots are seen as the future of technology integration in the field of education. The success and usefines of chatbots in the educational setting are highly dependent on tacherby teshels regarding the fiduce, yet most research focuses on the effects on students' learning. Only a few studes have investigated teachers' beltek regarding the use of chatbots, which is considered an important issue. Owing to teacher's leafs having been transformed from their pre-service teacher training. this study used quantitative (i.e., quantitative) quantitative (i.e., interview), and revisions and intervious about using chatbots for behavioral analysis, methods to investigate pre-service teacher: Isoming preceptions and intervious about using chatbots for teacher training this study used quantitative (i.e., quantitative). For each teacher training the training the training the training the study is a study in the study and the study is a study in the study of the study of the study of the study of not reflex pre-service teacher training this training phases. The results of this study revealed that learning perceptions did not reflex pre-service further discuss these findings to provide recommendations for the future development of chatbots use in education. © 2022 The Authors is a study used of the study of the future development of chatbots use in education. © 2022 The Authors is a study and the study of the study and the study of th	10.1016/j.caesi.2022.100119	https://www.scopa.com/mward/record.uri?eid=2- s2-0 851457815984doi-10.10.10592fj.cesi.2022.10011 958urtner0-2488md5-922651buf3fda5d1cbcc228 0ff22c549
N. S. L. Yeo- Teh, Tang, B. L.	Letter to editor: NLP systems such as ChatGPT cannot be listed as an author because these cannot fulfill widely adopted authorship criteria	Account Res	2023				Authorship, ChatGPT, Generative AJ, ICMIE guidelines	This letter to the editor suggests adding a stechnical point to the new editorial policy sepanded by Housenie et al. on the monitoring disclosure of any use of natural language processing (URP) systems, or generative. At in writing scholarly publications. Such At systems should naturally also be forbidden from being named as authors, because they would not have fulfilled prevailing authorship guidefines (such as the widely adopted ICMIE authorship criteria).	10.1080/08989621.2023.2177160	

H. Yildiz Durak		Education and Information Technologies	2023	28	1	471-488		Chatbots are tools that have the potential to effectively support interpersonal communication and interaction. Ohatbots can provide great opportunities in education. The use of chatbots in education can be used to employ interactive methods, to provide learness information and afferent types of Info, and to guide learness indeed, chatbots promise to enhance learning provide learness information and afferent types of Info, and the guide learness indeed, chatbots promise to enhance learning the state of the state of t	10.1007/s10639-022-11149-7	https://www.scopus.com/inward/record.uri?eid=2- s2.0-85133279282&doi=10.1007%2fs10639-022- 11149-
	examining the effect of chatbot usage frequency and satisfaction on visual design self-efficacy, engagement, satisfaction, and learner autonomy						efficacy	experiences by creating more interaction than traditional teaching practices provide. In this context, the purpose of this study is to parkly data total tooplay as a guidance tool in educational environments and to model is reflect on visual edugs neif- efficacy, maggement, satisfaction, and learner autonomy at the end of the process. The participants of the study are 86 university students: This study, data we collected with a different scales. Data we maintegrad using the visual experison structural equation: model with the partial least square method. As a result of the study, it was found that students with higher chalact using assistance of the study are structural edges in stellar control and deging stellar control and deging stellar control and the study results in terms of research and practice were discussed. @ JO22, The Author(s), under exclusive licence to Springer Science+Business Media, LLC, part of Springer Nature.		78patrieriD=408md5=c9bcae192438e0b7c93842 addfbb086
C. S. Yu, Hsu, M. H., Wang, Y. C., You, Y. J.	Chatbot for	Applied Sciences (Switzerland)	2023	13	3		chatbot, infancy health education, LINE, parenting	In today's society, many families do not have children due to various reasons. The reasons include the pressure brought by childrater, and thit double-income families do not have there to raise children, perspectively movie parents who will retreat. The this reason, we made a childron to solve problems. Through the questionnaires collected by our study, we found that most novice parents use th/ANBOT when their children cry, thus, we weld a baby's cry as an example here. When parents face a baby's cry, they can tap the buttom "burst into tears". The chalton will immediately tell parents how to solve the problem. The authors designed a study start parent problem that the study of anglewise during the parenting process and gave them correct parenting invoked; The intANABOT is a real-imme system that can provide real-line services to novice parents. Additionally, when the user is using INNABOT, it is real-imme system that can provide real-line services to novice parents. Additionally, when the user is using INNABOT, the system will record the problems encountered and invite the user to fill in a questionnize that an approprise the testion ANABOT. It is real-line services to novice parents. Additionally, when the user is using INNABOT, the system will record the problems encountered and invite the user to fill in a questionnize that an approprise the testion ANABOT. The system diverse of the NABOT system there exectly the signation to meet the needs of users. The system diverse of the NABOT system the needs of its users and can help users improve their proverting troubles. This study also has positive effects and contributions INNABOT, users feel recognition of the professionalism of the health care knowledge provided by the robot, which can detectively improve the user's parenting prodems. Also dot the users as assistive the positive enditors and the childres in the user simplement. The parents and parents and parents who feel auxions about parenting can quickly search for common parenting problems in	10.3390/app13031793	http://www.scopu.com/inward/record.ur/Teid=Z- 12-0 85147954218.doi-10.3390f/21.fpp;1301793.Bpart ner/D=408.md5-e3ad4/c51dad2393ed4/c36cfa3fd81 86
		Media, Culture and Society	2023	45	1		and melancholia, racialized grief, spiritual media, the uncanny, trauma and media, virtual reality	This essay concerns itself with the status of 'melanchoic media', or digital objects in psychic life after trauma on the grounds of three very different cases: Replia (a chattor with avata), Deep Kotalaja (the reanimating of family photograph), and Not the Only One (an onconcercial virtual agent). If of Freut, trauma is more than micl can endure; these surgeste both suggest concretization that which is being endured. Instead of directly confronting trauma and its overwhen, these users might omnipetently reproduce ali transfigure of the Virso. Rather than examining these human and non-human interactions via the lens of the uncamy, i will return to the status of objects as melanchoic media to think about psychic states in relationship to trauma and its mich-temporal aftermath. I trouble what these digital partial revivilications might do to and for psyches. © The Author(s) 2022.		http://www.scopus.com/inward/record.uri?eld=2- s2.0- 83400325708.doi=10.1177%21016344372211260 628.partnerit==408.md5=831bb360409c235360378 cc3661e35ff
J. Zhang, Zhu, Y., Wu, J., Yu-Buck, G. F.	apology is sincere:	International Journal of Hospitality Management	2023	108			Chatbots, Emotional competence, Human-robot interaction, Jay bellef, Symbolic recovery	Although chattors have been widely used in dealing with service compliants, howeledge about the recovery performance of chattors is initial-charming upon hyseliand and emotional complement hency, his reservice approxes mobilic recovery performances of chattors in two experimental studies. The results show that symbolic recovery from chattors leads to lower customer statisfaction than symbolic recovery from houram employees due to the layel leith tart chattors lake amountand competence. Perceived naturalises and perceived sincerity plays asquential mediating role. Customers perceive chattors' symbolic recovery to be less natural than that of human employees. Less natural recovery is perceived to be less sincere, thus demonstrain decreasing customer statisfaction with the recovery. Changing perceived diagnosticity of the lay belief can improve customer satisfaction with thandor's symbolic recovery receives that the theorem and perceived and uniform providing information for how companies can effectively use chattors to make an appropriate recovery. © 32022 Elsevier Ltd	10.1016/j.ijhm 2022.103387	http://www.soppu.com/inward/record.ur/Teid=2- 12-0 85141981288.doi-10.1016K2fl.yihm.2022.10387 8.parrenti?-048.md5=00825501b49665db57f2170f 79710f8e
J. M. Zhang, Zhu, Y. M., Wu, J. F., Yu- Buck, G. F.	apology is sincere:	INTERNATIONAL JOURNAL OF HOSPITALITY MANAGEMENT	2023	108			Chatbots, Symbolic recovery, Lay belief, Emotional competence, Human-robot interaction, ACCESSIBILITY- DIAGNOSTICITY, CUSTOMER SATISFACTION, SERVICE FAILURES, PERCEPTION, ROBOTS, INTELLIGENCE, EXPERIENCES, EMPLOYEES, EMPATHY	Although chatbots have been widely used in dealing with service compliants, knowledge about the recovery performance of chatbots is limited, horaving upon hybriding and emotional complement hency, this mean't explores inductive recovery performances of chatbots in two experimental studies. The results show that symbolic recovery from chatbots leads to lower cantomer satisfaction than symbolic recovery from human employees due to the lybrid that chatbots is due komotional competence. Perceived naturalizes and parceived increating layers can be used to a symbolic recovery the less instruct flams that of human employees. Less natural recovery is perceived to be less instruct flams that frame, manyboxes. Less natural recovery is expressived to be less instruct flams that frames and parceived instructions there are a single statistication with theorem with recovery. Their earcench mether theorem can be explored on a single statistication with theorem with the recovery. Their earcench mether theorem can be explored on a single statistication of humbor's mybolic recovery. This recarscher matches theorem can be explored on a single recovery.	10.1016/j.ijhm.2022.103387	
	A multi-scenario text generation method based on meta reinforcement learning	Recognition	2023	165			Multi-scenario, Natural language processing, Reinforcement learning, Text generation, Learning algorithms, Learning systems, Maximum likelihood estimation, Natural language processing systems,	Multi-scenario test generation is an essential task in natural language generation because of the multi-scene interfaced property of real-work problems. Tadiotanian methods typically train the multi-scene tot set generation methods based on maximum likelihood estimation, which may suffer from the problem of exposure bias. Reinforcement learning (RL) based test generation methods could mitigate the exposure bias problem to some attent. However, the RL-based test generation methods are limited to the single-scenario task, which cannot be stratightforwardly generalized to new scenario tasks. To address this problem, in this paper, we propose a multi-scenario test generation methods based on meth. It (NetLAT) ¹ , which implements method for Larens the hintial parameters (from multiple training tasks, then first-scenario task, "thus, the proposed method is executed to efficience values they generated test in the scenario task. Thus, the scenario tarens the hintial parameters (from multiple training tasks, then first-scenario task, multiple training tasks, then the scenario task. Thus, the scenario tarens the hintial parameters (from multiple training tasks, then first-scenario task, multiple the scenario task and generalization capability of the proposed method are demonstrated for eight scenarios through English test datasets. © 2022	10.1016/j.patrec.2022.11.031	https://www.scopu.com/inward/record.ur/Teid-2- 2-0- 8314593137&doi-10.1016K2fj.patvec.2022.11.03 1&patrice/10-40&md5-8b/320463a7d02/7019630 0/21e0d35
Y. C., Zhang,		INFORMATION PROCESSING & MANAGEMENT	2023	60	2		checking, Conversational	The upprecedented proliferation of online health miniformation paces a potential threats to point in health in recent times, several fact-checking organizations have adapted shubbles to present fact-checking results. However, it is under whether chatbots are more appropriate than traditional fact-checking weaktors for presenting these reprosons corrective messages. To answer this question, we compared a buttors based obtabot with a traditional weighted por presenting fact-checking results. fact-checken's expertise cases could influence users' preception of fact-checking, we also considered the effect of expertise cases on our study. We consolid a 1 (interaction type: webgave; schoold) a 2 (expertise case) between-abaptets online experiment (N = 200). The results show that the chatbot hads to highle precised ease of use, which in turn increases. the directiveness of fact-checking. The highlighted expertise our test to diverse users' interaction to use, especially when they interact with the webgave. Finally, we discuss the feasibility of using chatbots to disseminate fact-checking content and several design implications for the creation of an effective tool to fact-check health information.	10.1016/j.ipm.3022.103203	
Zhang, L., Lian, X., Gao,	Keywords-Driven	Mathematics	2023	11	2		knowledge injection, requirements syntax, software requirements generation	requirements specifications primarily depends on human work. Although maxive studies have been proposed to speed up the process via propositi advanced elicitation and analysis technologies. It is still a micro-cosming and enzy-neor tast, which needs to take domain knowledge and business information into consideration. In this paper, we propose an approach, named RegGen, which on approach further assistance by automaticating permanity generating natural language requirements specifications. Raced an certain given knywords. Specification, RegGen consists of three critical target result meets to take domain fine-turing. Second, a cory mechanism is integrated to ensure the occurrence of keywords in the generated statements. Finally, a requirements-syntac-constrained occoding is designed to doub the semantic and syntax distance three the candidate and reference specifications. Experiments on two public datasets from different groups and domain show that RegGen currence of sin popular natural ingarage generation approaches with respect to the hand constraint of keywords (Fishald). REUL, ROUGE, and syntax compliance. We believe that RegGen can promote the efficiency and intelligence of specifying software requirements. ¹	10.3396/math11020332	http://www.scopu.com/nward/record.ur/Teid=2- 12-0 85146761492.8doi=10.3390K2/math110203328.pa rnerm=0488.md5=cba56253680174cad52a1757887 57500
D. Zhu, Lappas, T., Rachidi, T.	Commentary generation for financial markets	EXPERT SYSTEMS WITH APPLICATIONS	2023	211			THE-ART, LINGUISTIC	Financial markets are based on the daily movements of thouands of tradiable assets, such as stocks, resulting in billion-dalar trade volumes and affecting invectors and companies around the globe. In this volatile and high-states environment, financial- service firms employ analysis to create compact market commentaries that serve as insightful summaries with key pieces of information. In this service, we attempt to automate this process by formally defining and algorithmically solving the Market Commentary Generation (MCG) problem. In addition to saving time and cost us automation, our approach makes an number of contributions that differentiate it from provisor strated work. These induce the consideration of thousance of underlying time series, the ability to capture and excede significant market events that involve multiple financial entities, and the ability to define high quality to volve the volve the presence of small and unlabeled biatocind distasts. Finally, our approach takes in account the strict compliance requirements of the finance domain, which present the use of black-box methods that can produce language that volvels key rules and regulations. We compare our work against competitive baselines via an evaluation the includes both qualitative eand quantitative experiments.	10.1016/j.eswa.2022.118364	
Aggarwal, R., Ferris, L., Heinemann, M., Lapeña, J. F., Pai, S., Ing, E., Citrome, L.	ChatGPT, and Scholarly Manuscripts: WAME Recommendatio ns on ChatGPT and Chatbots in Relation to Scholarly Publications	Open Access Macedonian Journal of Medical Sciences	2023	11		83-86	human	recommendations are intended to inform editors and help them develop publicles regarding chathors for their journals, to belp authors understand now use of chatbots ungibe be attributed in the work, and address the need for all journal editors to have access manuscript screening tools. In this rapidly evolving field, we expect these recommendations to evolve as well.	10.3889/oamjms 2023.11502	http://www.embase.com/area/f/read/fraid/fraid-Tolbation uierrescontille:1022254/511.Kino-areport. http://dx.doi.org/10.3889/oamjmx.2023.11502
Mähner, P. M., Yang, L.,		Journal of Business Research	2023	155			Gender effects, Purchase	Chatbots are increasingly used as substitutes for human service agents in online shops. This has led researchers to analyze how chatbot characteristics influence consume reprosense. However, while her relevance of chatbot characteristics has been examined, to date, consumer's personalities have remained unattended in the research on this innovative mode of online support. Therefore, this study wints to understand how the interaction of consumer characteristics and abutto characteristics influences consumer behavior. In doing so, we focus on how chatbot's visual cues (i.e., anthrogonorphication, gender) influence consumer behavior, the lado considering commers' self-congruence between consumers and a chatbot, which can be reached by anthrogonorphicing clatbots and giving them the "right" fleeds. Subsequently, how do null tige clause, we empirically test the hypothesis considering make, female, and non-binary consumers. Our results demonstrate the relevance of both chatbot anthropomorphication and chatbot gender. © 2022 Bisevier Inc.	10.1016/j.jbusres.2022.113412	https://www.scopu.com/invest/record.ur/Reid-2- 20- 851434942968doi-10.1016K2fj.jbures.2022.1134 128artnerri—048xd5-23560869f157878600807 48633db361