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| OBJECTIVE | METHOD | EXPERIMENT/RESULT | APPLICATION | REFERENCE LINK |
| The study of AI based Mental HealthCare System by the researchers Ibrahim Alali, Ibrahim Alrashide , Hussain Alkhalifah | Theoretical aspect, Technically aspect, Dataset and Machine Learning algorithm and Evaluation Metrics . | Accuracy and Symptom diagnosis .  Personalized usage of the application .  Detail effective use of managing the feedback of the user. | Early detection and diagnosis.  Personalized therapy and treatment.  Predictive analysis and risk assessment. | DOI:[10.22937/IJCSNS.2023.23.12.24](http://dx.doi.org/10.22937/IJCSNS.2023.23.12.24) |
| Testing of AI based mental healthcare system by the delegates [Shengtao Ren](https://pubmed.ncbi.nlm.nih.gov/?term=%22Ren%20S%22%5BAuthor%5D) , [Xiangling Hou](https://pubmed.ncbi.nlm.nih.gov/?term=%22Hou%20X%22%5BAuthor%5D) , [Juzhe Xi](https://pubmed.ncbi.nlm.nih.gov/?term=%22Xi%20J%22%5BAuthor%5D) | Data Processing, Decision Tree and evaluation metrics | After the evaluation of the three researchers , they have noted the accuracy of three different languages java , python and .Net among them Java is more user friendly and more flexible | Behavioral analytics and mood tracking .  Virtual Reality and AI exposer theory | DOI: [10.1155/2022/9270502](https://doi.org/10.1155/2022/9270502) |
| The journal proposed by the David B.Olawada, Ojima Z .wada and many more | This journal basically takes the knowledge of screening and eligibility method for the study of AI based mental healthcare | After the reading of four different dataset , the research worker made the conclusion that these are accurate and reliable | Symptom Monitoring detection .  CBT(Cognitive Behavioral Technique) | DOI:[10.31575/IJAR02/19694](https://www.sciencedirect.com/science/article/pii/S2949916X24000525?via%3Dihub) |
| Digital mental health invention by the help of AI based Mental health care by the different scientists of USA university | NLP for emotional analysis and Machine Learning for predictive analysis. | Easily accessible and scalable in use .  Continuous and instant support and data processing through machine learning and its classification | Machine learning for personalized therapy .  Real time monitoring and mental health tracking | DOI:[10.56726/IRJMETS61880](http://dx.doi.org/10.56726/IRJMETS61880) |
| Ensemble Strategy of AI and mental health care by the scientists Paula Isabel Goncalves dos Santos and Ana Catarina | Cognitive method of studying the responsiveness of the AI and mental healthcare | Outcome of the scientists and made a deeper insight of the artificial intelligence intervention of the increasing complexity and burden of the healthcare sector. | Diagnostic treatment and recommendation .  Patient response and adherence . | DOI:[10.56238/innovhealthknow-020](http://dx.doi.org/10.56238/innovhealthknow-020) |
| Artificial Intelligence for chatbot in mental health care | NLP for chatbot working is the method used | Kerstein Denecke and Mowaha Househ are the scientists understood the necessary add on of chatbots | Build a good patient and the chatbot application relationship .  Data driven data set support to the clinicians. | DOI:[10.1007/978-3-030-67303-1\_10](http://dx.doi.org/10.1007/978-3-030-67303-1_10) |
| Employee wellbeing of AI based mental health care | Natural and large dataset are used in the treatment of the mental care | The scientist , Ankita Jangid took the oversight of the benefits of communication wellbeing in mental health care | Real time Stress Detection .  Voice analysis.  Facial Expression Recognition and mood patterns . | DOI:[10.21474/IJAR01/19693](http://dx.doi.org/10.21474/IJAR01/19693) |

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| Study of Web Based Mental Health Applications by the scholars . | Machine learning related studies are made into this . | Through the study scholars Arya Pawar, Sidharth Salian and Saad Shaikh , they have tested the effectiveness of improving the moods and engagement of the web based application | Call to action .  Encourages open discussion.  Promotion of support organization.  Personal narrative.  Fostering a supportive environment. | DOI:[10.47392/IRJAEH.2024.0356](http://dx.doi.org/10.47392/IRJAEH.2024.0356) |
| Overview and Future Perspective of mental healthcare in web based activity | Different machine learning classifications are used in the method for the processing of huge dataset | Due to the help of web based study ,it helps the user for the easier access and more interactive for the better interactive session . Therefore in this context the impeccable research workers by Kevin W Jin , Qiwei Li , Yang Xie . | Making the session interactive .  Face and voice recognition identifiers . | DOI:[96/1150/20230213/7498934](https://academic.oup.com/bjr/article/96/1150/20230213/7498934) |
| Management Implication in the AI based mental health care study | Data Collection , Data Analysis, Ethical Considerations are the method used in the web based study of mental health | Stephan Hoose and Kristina Kralikova are the scientist came to the experimental conclusion in the web based study aims at analyzing the applicability and efﬁciency of AI in mental health practices  based on business administration paradigms with a focus on managing services and policies. | Enhanced Telehealth care .  CBT.  Stress Detection. | DOI:[10.3390/admsci14090227](http://dx.doi.org/10.3390/admsci14090227) |