|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Title | Author | Year of publication | Problem identification | Techniques used | drawbacks |
| 1. | Big data | Chonghui guo and | April | Our findings will help | Cassandra DB | To address this  lack, this study examines the historical development, architectural design and component functionalities of big data analytics. |
|  | analytics: | Jingfeng Chen | 2019 | healthcare |  |
|  | In Healthcare: |  |  | organizations |  |
|  | Data-Driven |  |  | understand the big |  |
|  | Methods for |  |  | data analytics |  |
|  | Typical |  |  | capabilities and |  |
|  | Treatment |  |  | potential benefits. |  |
|  | Pattern Mining |  |  |  |  |
| 2. | Big data | Alejandro | March 2017 | The users to help able | Apache spark, | Big data can also |
|  | analytics | Baldominos, |  | to see understand the | Mongo DB | pose risk and |
|  | solution for | et.al., |  | valuable information |  | undermine pose |
|  | intelligent |  |  | provided by |  | doctors. |
|  | health care |  |  | datacare,the visual |  |  |
|  | management |  |  | analytics. |  |  |
| 3. | Analysis of | Zhihan Lv, et.al., | March 2020 | Hospitalization cost, | [Hadoop](https://www.sciencedirect.com/topics/computer-science/hadoop) | The |
|  | healthcare big  data |  |  | and the insured  population all show a trend of increasing year by year |  | hospitalization  costs show a trend of increasing year by year in recent years. |
| 4. | Healthcare | Mohammad | March 2019 | It helps new data and | Machine | Data sets can |
|  | analytics in | zunnunkhan, |  | security models for | learning | gain unwanted |
|  | Era: A survey | et.al., |  | measuring security & |  | attention from |
|  |  |  |  | quality of data using |  | hackers and |
|  |  |  |  | health care |  | important |
|  |  |  |  | environment |  | information can |
|  |  |  |  |  |  | be leaked to |
|  |  |  |  |  |  | competitors. |
| 5. | A Framework for Data | [V.Muneeswaran,](https://link.springer.com/chapter/10.1007/978-981-15-9651-3_7#auth-V_-Muneeswaran)  et.al., | [February](https://link.springer.com/chapter/10.1007/978-981-15-9651-3_7#chapter-info) [2021](https://link.springer.com/chapter/10.1007/978-981-15-9651-3_7#chapter-info) | Data analytics is becoming a future escalating tool of all industries including medicine, robotics,etc., | generic XML | the term data is unavoidable and certainly, nothing is possible without its usage. |
|  | Analytics- |  |  |  |
|  | Based |  |  |  |
|  | Healthcare |  |  |  |
|  | Systems |  |  |  |
| 6. | A survey on Data mining | Divya Tomar, et.al., | October 2013 | Data mining offers novel information regarding health care | classification, clustering, association, | Decision regarding selection of |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | approaches for health care |  |  | helpful for making administrative as well as prediction of disease, selection of treatment, health insurance policy. | regression in health domain | merge of split point.once a decision is made it cannot be undone. |
| 7. | A Framework | ImranAhmed, | January 2021 | the novel coronavirus | machine | prescriptive |
|  | for Pandemic | et.al., | pandemic (COVID-19) | learning | analysis |
|  | Prediction |  | outbreak is seriously |  | applying big |
|  | Using Big Data |  | threatening human |  | data analytics |
|  | Analytics |  | health. |  | using a novel |
|  |  |  |  |  | disease real |
|  |  |  |  |  | data set, |
|  |  |  |  |  | focusing on |
|  |  |  |  |  | different |
|  |  |  |  |  | pandemic |
|  |  |  |  |  | symptoms. |
| 8. | Big- DataAnalytics | Syed Rooh Ullah Jan. | January 2021 | Security Optimization, Implementing and | Machine learning | Precision, Interoperability. |
|  | for IoT- |  |  | testing on real world |  | Real time, Single |
|  | Enabled Smart |  |  | patients. |  | Drabacks |
|  | Healthcare |  |  |  |  | subject, Low |
|  | System |  |  |  |  | accuracy. |
| 9. | Big Data | Daniel A,et,al., | May 2015 | The user to help able | Machine | Delayed |
|  | Analytics in |  |  | to information | learning | enhanced MRI |
|  | Healthcare |  |  | provided by healthcare |  | has been used |
|  | Medical Image |  |  |  |  | for exact |
|  | Processing |  |  |  |  | assessment of |
|  | from Big Data |  |  |  |  | myocardial |
|  | Point of View. |  |  |  |  | infarction scar. |
| 10. | Influential Usage of Big | Sadia Khan, et,al., | September 2021 | users of the machines do not have enough | Apache spark, Mongo DB. | have sufficient data and |
|  | Data and |  |  | knowledge on using the |  | knowledge |
|  | Artificial |  |  | technologies/machines. |  | about machines |
|  | Intelligence in |  |  |  |  | and |
|  | Healthcare. |  |  |  |  | technology. |
| 11. | Big data | Sunil Kumar. | October | huge amounts of structured, unstructured, and semi-structured data have been generated by various institutions around the world | Hadoop | The health |
|  | analytics for |  | 2018 |  | industry sector |
|  | healthcare |  |  |  | has been |
|  | industry: |  |  |  | confronted by |
|  | impact, |  |  |  | the need to |
|  | applications, |  |  |  | manage the big |
|  | and tools |  |  |  | data being |
|  |  |  |  |  | produced by |
|  |  |  |  |  | various sources, |
|  |  |  |  |  | which are well |
|  |  |  |  |  | known for |
|  |  |  |  |  | producing high |
|  |  |  |  |  | volumes of |
|  |  |  |  |  | heterogeneous |
|  |  |  |  |  | data. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 12. | Current practices in clinical Analytics: A hospital survey. | Dana M.Womack, et,al., | June 2012 | The purpose was to better understand current practices, capabilities and challenges related to Clinical data analytics | machine learning | lack of organisational alignment and or strategy for data analysis as a challenge Lack of standardized  methods and electronic tools. |
| 13. | Big Data Analytics Framework for Opinion Mining of Patient Health Care Experience | G. Sabarmathi, et,al., | March 2020 | Preciously administration might be able to acknowledge the crucial decision making process where the new investigations would be accounted for different research avenues. | hadoop | The huge amount of data derived from this humongous volume of information |
| 14. | Healthcare Analytics in the Modern era. | Waseem Afsar. | July 2021 | designed due to the solution of complex problems such as health disparities. | Artificial Intelligence | unable to read the  following documents for the help in using the documents of power of the  public in the world |
| 15. | Big data analytics for personalized medicine. | Choong ho lee, et,al., | august 2019 | multiview data analytics requires advanced machine learning techniques such as deep learning and cognitive computing. | machine learning. | Medical big data analyses are complicated by many technical issues, such as missing values, curse of  dimensionality, and bias control. |
| 16. | A review of secure and privacy - preserving medical data sharing. | Hao Jin,Yan Luo, et,al., | May 2019 | The cyber infrastructure boundaries of health care organisations and privacy leakage threats place obstacles on the  sharing of medical records. | block chain, Cryptography, HITECH  computerized order entry. | potential proprietary/data plagiarism issues  Higher Risk of files Being shared publicly |
| 17. | Chronic Diseases and Health Monitoring | Rongheng Lin |  | It focuses on the full cycles of the big data processing, which includes medical big data preprocessing, big | Machine learning. | in recent years, there has been much research in medical big data, mainly |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Big Data: A survery. |  |  | data tools and algorithms, big data visualization, and security issues in big data. |  | targeting data collection, data analysis, and visualization. |
| 18. | Health Big Data Analytics: A Technology survey | Jong Wook Kim | October 2018 | The system should not only be able to help to the provision of a successful and timely care by recommending a practical diagnosis. | Machine learning | For data mining, no single algorithm provides a fit-all solution to health data. |
| 19. | Roles of Innovation Leadership on Using Big Data Analytics to Establish Resilient Healthcare Supply Chains to Combat the COVID-19  Pandemic. | Surajit bag,et,al., | August 2021 | Our structural equation modeling analysis using the partial least squares (PLS) method revealed that BDA capabilities play a pivotal role in building a responsive HSC and improving innovation. | machine learning | we argue that the role of innovative leadership in the COVID-19  pandemic situation is critical as it indirectly affects HSC resilience when BDA is in place. |
| 20. | A systematic review of health care big data. | Rakesh Raja,et,al., | July 2020 | Analysing different perspectives about the concept of  big data in healthcare Exploring the origins of healthcare big data Identifying tools and techniques for healthcare big data Analytics. | Machine learning Systematic Literature Review (SLR) Method. | lots of big data is unstructured It can be used for manipulation of customer records |