

LITERATURE SURVEY

DATA ANALYTICS IN HOSPITAL HEALTH CARE

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Team ID	PNT2022TMID21063
Project Name	Analytics For Hospitals Health-Care Data

TITLE	AUTHOR	ALGORITHM	ADVANTAGE	DISADVANTAGE
Big data analytics in hospital health care	Ashwin Belle Raghuram Thiagarajan S. M. Reza Soroushmehr	Data analytics	Leverage legions of disparate ,structured and unstructured data sources is going to play a vital role in health care	Have patents to some of the methodologies surveyed in this paper
The role of big data analysis in hospital management system	Dhivyalakshmi.S	Data analytics	Helpful in tracing and handling the population health more competently and successfully It improves the ability to deliver preventive care Four main security models approach was introduced	Prevent the credential users from misusing the system Prevent credential users from observing and altering the information stored in clusters
Big data analytics solution to healthcare	Manpreet Singh	Data analytics	It discusses the usefulness of application of big data analytics using patient care dataset for better insight in care coordination ,health management and patient engagement .	There is a lot of big data flowing which includes genomics, remote sensing , social media, mobile app and many other data types. Issues such as data integrity ,privacy lead to poor data management privacy violation and discrimination
Big data analytics in medical engineering and healthcare	Lidong Wang Cherly Ann Alexander	Health care Analysis	Big data analytics used in large scale genetics studies, public health, personalised and precision medicine and also for new drug development	All data in database doesn't come from somewhere with data governance habits

The Use of Big data analytics in Health care	Kornelia Batko and Andrzej Slezak	Data Analytics	Big Data Analytics in healthcare will allow to use new technologies both in treatment of patients and health management. Medical Centers will have a complete picture of their Activities, taking into account the clinical, management, financial and quality perspectives.	Medical enterprises still cannot keep up with the information needs of patients, clinicians, administrators and the creator's policy. The main challenge with Big Data is how to handle such a large amount of information and use it to make datadriven decisions in plenty of areas.
Big data analytics in health care: Promise and Potential	Viju Raghupathi and Wullianallur Raghupathi	Cluster analysis and Regression	The healthcare industry historically has generated large amounts of data, driven by record keeping, compliance & regulatory requirements, and patient care. While most data is stored in hard copy form, the current trend is toward rapid digitization of these large amounts of data.	As big data analytics becomes more mainstream, issues such as guaranteeing privacy, safeguarding security, establishing standards and governance, and continually improving the tools and technologies will garner attention.
Health care data analysis using evolutionary algorithm	A.suresh, R.Kumar, Varatharajan	k-Means Clustering,SVM, Naive bayes	Data mining is used and an assessment model for the health care analysis is developed with the preprocessing steps of performing data.	The analysis demonstrates that the planned perfect has accomplished a regular correctness of 98.79% of health care dataset.
Data Visualisation in Health care	Ivan Dunskiy	Data analytics	Modern data visualization tools in healthcare convert complex data into userfriendly visuals that are easy to understand for its stakeholders, be they doctors, patients, or	Visuals tend to increase our confidence, so it's possible for us to draw inaccurate conclusions from them. Much of the success with data

			government officers.By visualizing realtime data on patient health status, doctors can define and group patients according to the treatment and attention they need.Also prevents practitioners from missing important information.	visualization depends on how implement is done, and how it is used on a regular basis. If it's designed in an unsophisticated way, or if there's a flaw in how it operates, it might lead to inaccurate presentations.
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