Data Analytics (Health Care)

Analytics for Hospitals Health-Care Data

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LITERATURE SURVEY

S.NO	PAPER	AUTHOR	YEAR	PROPOSED METHODS AND ALGORITHMS
1	Big Data Analytics in Healthcare: Data-Driven Methods for Typical Treatment Pattern Mining	Chonghui guo and Jingfeng Chen	2019	A huge volume of digitized clinical data is generated and accumulated rapidly since the widespread adoption of Electronic Medical Records (EMRs). This paper discusses the research background - big data analytics in healthcare, the research framework of big data analytics in healthcare, analysis of medical process, and treatment pattern mining.
2	Emerging trends in IoT and big data analytics for biomedical and health care technologies	Amit Banerjee, Chinmay Chakrabothy, Anand Kumar, Debabrata Biswas	2021	Linear Regression. Logistic Regression. Decision Tree. Naive Bayes.
3	Analysis of the role and scope of big data analytics with IoT in health care domain	Sushruta Mishra, Brojo kishore Mishra, Hrudaya kumar Tripathy, Arijit Dutta	2020	Support Vector Machine (SVM), Logistic Regression, Naïve Bayes, Artificial Neural Network (ANN) and Support Vector Machine (SVM) techniques

4	A Comprehensive Survey on Machine Learning-Based Big Data Analytics for IoT-Enabled Smart Healthcare System	Wei Li, Yuanbo Chai, Fazlullah Khan, Syed Rooh Ullah Jan, Sahil Verma, Varun G. Menon, Kavita & Xingwang Li	2021	The proposed framework detects the pulse waveforms using a specially designed WiFi equipped board, which forwards the data to a pre-defined server. It is evaluated by applying various ML techniques such as SVM and logistic regression
5	Big data analytics for preventive medicine	Muhammad Imran Razzak, Muhammad Imran & Guandong Xu	2019	state-of-the-art data analytics algorithms used for classification of disease, clustering (unusually high incidence of a particular disease), anomalies detection (detection of disease) and association
6	Big Data in Supply Chain Management and Medicinal Domain	Aniket Nargundkar and Anand J.Kulkarni	2019	This paper presents the fundamental and conceptual overview of big data describing its characteristics. There are Supply Chain (SC) and Medicinal industries. Under SC domain, data generation process is explained. The difference between big data and traditional analytics is significantly noted.
7	Transforming Healthcare with Big Data Analytics and Artificial Intelligence: A Systematic Mapping Study	Nishita Mehta, Anil pandit and Sharvari Shukla	2019	The current study performs a systematic literature review (SLR) to synthesise prior research on the applicability of big data analytics (BDA) in healthcare. The SLR examines the outcomes of 41 studies, and presents them in a comprehensive framework. The findings from this study suggest that applications of BDA in healthcare can be observed from five perspectives, namely, health awareness among the general public, interactions among stakeholders in the healthcare ecosystem, hospital management practices, treatment of specific medical conditions, and technology in healthcare service delivery.