ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA

SUBMITTED BY

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TITLE	AUTHOR	ALGORITHM	ADVANTAGES	DISADVANTAGES
Big Data Analytics in Healthcare Systems	Maria Mohammad Yousef	DATA ANALYTICS	For better treat disease and the diagnosis in the medical, the role of big data is one where it can construct better predictive models using tools with the ability to analyze and process this vast amount of data.	The contents of this research consist of a systematic review of the current state of Big Data technology in health care, but it does not get into consideration the technical details and concerning about the implementation and out comes achieved in each of the studies reviewed.
Big Data Analytics in Healthcare Systems	Lidong Wang, Cheryl Ann Alexander	DATA ANALYTICS	**1.**It presents the technological progress of big data in healthcare, such as cloud computing &stream processing. **2.**Data analytics overcomes the limitations of traditional data analytics and will bring revolutions in healthcare.	**1.**Security and privacy: Traditional privacy and security measures work on small datasets, capability to use the same measures on massive and streaming datasets is possibly a problem, particularly when dealing with patient's health data. **2.** Data quality: It affects reliable insights from the data and decision-making for patients' healthcare. **3**.Insufficient real-time processing: Delay in

				processing complex data models can result in patient care with less quality.
BIG DATA ANALYTICS IN HEALTHCARE	Shubham Mehla	DATA ANALYTICS	**1.**Medical diagnosis – Diagnosis of a disease by the analyzing previous data may help in diagnosing the disease as an earlier stage and thus also reduce complications during treatment. **2.**Community healthcare – Preventive steps must be taken before hand against the predicted risks of chronic disease among population by making people aware about contagious disease outbreaks. **3.**Hospital Monitoring – Hospitals can be monitored in real-time that could help government to	**1.** Quality of insights – The medical healthcare data which is being generated is of poor quality and contains a lot of inconsistencies. So, yielding insights from that data may sometimes results into inadequate insights and misleading suggestions. **2.** Privacy and Security – It is a serious issue to give access and exposure of patient's data to unauthorized third party such as government agencies,insurance companies.

			ensure optimal service quality.	
Big Data Analytics in Healthcare — A Roadmap for Practical Implementation.	Sohail Imran, Tariq Mahmood, Ahsan Morshed, and Timos Sellis, Fellow, IEEE	DATA ANALYTICS	BDA can lead to competitive advantages, improved operational efficiency, better service, more effective new opportunities.	Granular access control in healthcare enables patients and hospital medical users responsibilities, privileges, rights and roles to be set such that users related to the hospital are given privileges only to their relevant data or functional area of the system. Maintaining the reliability of data and BDA results is another core problem in application of BDA to healthcare