

The Use of Big Data Analytics in Health Care

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Abstract: *Utilizing Big Data analytics has the potential to enhance patient outcomes, promote individualized care, strengthen provider-patient relationships, and decrease healthcare expenditures. This paper provides an introduction to healthcare data, specifically focusing on big data in healthcare systems. It also explores the various applications and advantages of utilizing big data analytics in the healthcare industry. In addition, we showcase the advancements in big data technology in the healthcare sector, including cloud computing and stream processing. The challenges associated with the analysis of large volumes of data in healthcare systems are also addressed.*

Keywords: Big data, Big Data analytics, Healthcare, Personalized medicine, Precision medicine, Cloud computing, Stream processing