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Exploring Big data Analytics in Healthcare

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Abstract

Health care Industries are facing lot of challenges in maintaining patient information across various databases due to storage issues. In order to extract patient information, preprocessing techniques can be applied in the process of data mining across databases. But as the data is growing enormously with rapid speed, data mining techniques are becoming obsolete due to issues such as Storage, Speed. So, cost optimization has become one of the major requirements in health industry as there is huge burden in maintaining large volumes of patient's information using traditional databases. Here Big Data plays a vital role in storing huge volumes of patient information using storage mechanisms such as HDFS, HBase. Many issues in health care are discussed in this paper such as prediction of diseases, getting patients information across databases as a single view.

Keywords:

Data mining, Cost optimization, Big data, Patient management, Knowledge management

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