Mining Medical Data for Identifying Frequently Occuring Diseases by using Apriori Algorithm

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 131
Number 12

Year of Publication: 2015

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10.5120/ijca2015907260

Abstract

Data mining is a process of analyzing data from various perspectives and trims it into useful information. The data can be transformed into knowledge for future use and history patterns. Data mining has a vital role in the domain of information technology. There is a lot of complex data being generated by the health care industry. It includes the details of various patients, hospitals, diagnosis techniques, diseases, etc. The data mining methods prove to be useful for making decisions related to the curing of diseases. The information is hidden because the huge data gathered by the health care industry is not mined. Thus effective decisions cannot be made. The information gained after data mining can be used by doctors and health care administrators for improving the quality of service. In this paper, identification of frequent diseases in a specific location is done using Apriori algorithm. Association rules are applied to extract patterns that occur frequently within a data set. For extracting the results, WEKA tool is used.
References

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Index Terms

Computer Science
Algorithms

Keywords

Apriori algorithm, data mining, association rule