Comparative Analysis of ID3 and Naïve Bayes for Heart Disease Prediction

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Abstract

Improper working of blood vessels within heart causes heart disease. Hospitals are using medical application software for their day to day operation for billing and generation of simple statistics. Multispeciality hospitals are using expert system but they have some limitations. Heart disease prediction is a difficult task because we need lot of patient historical data, medical history and it also depend on knowledge and experience of doctors. In this paper decision support systems made by two data mining techniques decision tree and naive bayes. Performance analysis is performed on both the methods.

References

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Index Terms

Computer Science Biomedical

Keywords

Heart Disease, Expert System, Decision Support System, Data Mining, Naïve Bayes, and Decision Tree