Abstract

Data mining is becoming one of the most important tool and means for discovering useful,
realistic and essential interpretations and patterns in real world scenario. The discovery of
knowledge from medical datasets is crucial in order to make effective medical diagnosis. This
paper helps in predicting diabetes by applying the data mining technique called oneR rule. In
this paper, oneR rule in classification has been used to predict a person whether diabetic or not.
The dataset which had been collected contains the information of persons with and without
diabetes. Software used is Weka tool for the experiment and analysis. oneR algorithm is
applied on the dataset of persons collected. Results have been obtained. The accuracy is
calculated as 80.43 % which is high for predicting whether the person has diabetes or not.

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Index Terms

Computer Science

Algorithm

Keywords

Data Mining   Diabetes   Weka   OneR   Classification.