Abstract

One way to improve accuracy of a classifier is to use the minimum number of features. Many feature selection techniques are proposed to find out the most important features. In this paper, feature selection methods Co-relation based feature Selection, Wrapper method and Information Gain are used, before applying supervised learning based classification techniques. The results show that Support vector Machine with Information Gain and Wrapper method have the best results as compared to others tested.

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Index Terms

Computer Science

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Keywords

Naïve Bayes; SVM; J48; Correlation Feature Selection; Information Gain; wrapper method