Abstract

In the world of curse of dimensionality feature selection plays a very important role in reducing the entire feature collection with the limited subset of features. Reducing the number of features pave way for various advantaged as well as simplifies the task. Feature selection means finding the suitable set of features which will contribute the most of it to the solution with minimal or null error rate. Selected features are to be tested with the help of classifiers, so that the subset of selected features can be proved to be optimal when compared to other features subsets individually as well as a group. Genetic algorithms are now days play a vital role among any other methodology in selecting the features based on the Theory of Evolution and on the “Survival of the fitness”. It is a heuristic approach. To cooperate with the GA approach we have the classifiers which will go hand in hand to bring out the final set of features along with their prediction accuracy. In this paper I have analyzed four of the classifiers and compared them
with their performance and the unit of accuracy.

Reference

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Index Terms

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Key words

Feature Selection    Genetic Algorithm    SVM

KNN    Fuzzy

Rough Set

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classification