Abstract

The Data Mining is extracting or mining knowledge from large volume of data. Classification technique is used in different application. In this paper proposes a new classifier utilizing MLP approach by grouping based on nearest neighbor i.e. improved MLP-NN. The MLP-NN approach can handle noisy data and reduce complexity. This technique has been applied for medical diagnosis. This paper analyzes the lung images (i.e. CT-scan images) for identifying and classifying them among the various lung diseases (i.e. bronchitis, emphysema, pleural effusion or normal) using 100 images data set and 80 images data set.

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**Index Terms**

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**Keywords**

Data Mining; Classification; Multilayer Perceptron.