Abstract

Clustering plays a vital role in machine based learning algorithms and in the present study, it is found that, the competitive learning algorithm that is very efficient for a number of non-linear real-time problems, offers efficient solution for clustering. This paper presents a comparative account of self-organizing models and proposes a hybrid self-organizing model for cluster analysis. The potential usefulness of cluster analysis for higher education scenario is taken to study in this paper.

References

Cluster Analysis: An Experimental Study

Burst. J. Data Science, 8, 327-338.

Index Terms

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ART Classification Clustering HSOM SOM Supervised learning; Unsupervised learning