

Abstract

This paper presents the application of algorithm of data clustering is Multi-swarm accelerating particle swarm optimization to data clustering. By experimental research to compare clustering result of both static and dynamic data set with other two algorithms, particle swarm optimization for data clustering (PSO-Clustering) and an evolutionary particle swarm optimization algorithm for data clustering (EPSO-Clustering). The result showed that the algorithm is efficient with average intra-cluster distance for each cluster are better than both two algorithms.