Abstract

Clustering is a process of partitioning a set of data (or objects) into a set of meaningful sub-classes, called clusters. This paper analyzes three major clustering algorithms: K-Means, Hierarchical clustering and Density based clustering. The performance of these three clustering algorithms is compared using the clustering toolkit Weka.
Pros and Cons of Clustering algorithms using Weka Tools

- MacQueen J. B, University of California-Los Angeles "Some Methods for classification and Analysis of Multivariate Observations";

Index Terms

Computer Science

Algorithms

Keywords

Data Mining Algorithms  Weka Tools  K-means Algorithms  Hierarchical Clustering And Density Based Clustering.