



RESEARCH ARTICLE

An Analysis on Clustering Algorithms in Data Mining

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Abstract:

Clustering is the grouping together of similar data items into clusters. Clustering analysis is one of the main analytical methods in data mining; the method of clustering algorithm will influence the clustering results directly. This paper discusses the various types of algorithms like k-means clustering algorithms, etc.... and analyzes the advantages and shortcomings of the various algorithms. In each type we can calculate the distance between each data object and all cluster centers in each iteration, which makes the efficiency of clustering is not high. This paper provides a broad survey of the most basic techniques and identifies .This paper also deals with the issues of clustering algorithm such as time complexity and accuracy to provide the better results based on various environments. The results are discussed on huge datasets.

Keywords: *Clustering; datasets; machine-learning; deterministic*

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