



RESEARCH ARTICLE

Selection of Initial Centroids for k-Means Algorithm

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Abstract— Clustering is one of the important data mining techniques. k-Means [1] is one of the most important algorithm for Clustering. Traditional k-Means algorithm selects initial centroids randomly and in k-Means algorithm result of clustering highly depends on selection of initial centroids. k-Means algorithm is sensitive to initial centroids so proper selection of initial centroids is necessary. This paper introduces an efficient method to start the k-Means with good initial centroids. Good initial centroids are useful for better clustering.

Key Terms: - Data mining; clustering; k-Means

Full Text: <http://www.ijcsmc.com/docs/papers/July2013/V2I7201338.pdf>