



**RESEARCH ARTICLE**

# Modified K-Means for Better Initial Cluster Centres

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***Abstract— The k-means clustering algorithm is most popularly used in data mining for real world applications. The efficiency and performance of the k-means algorithm is greatly affected by initial cluster centers as different initial cluster centers often lead to different clustering. In this paper, we propose a modified k-means algorithm which has additional steps for selecting better cluster centers. We compute Min and Max distance for every cluster and find high density objects for selection of better k.***

***Key Terms: - k-means; clustering; data mining; initial cluster centers; density objects***

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