

Peer Review

Review of: "Fixed-Sized Clusters k-Means"

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The author proposes a new technique to address cluster size in k-means based on the Hungarian algorithm. Overall, the manuscript is well-organized, and the concept is interesting. The simulation, based on synthetic data, effectively explains their approach. For fair comparisons, I suggest the authors add experimental conditions, such as testing the method on data with more features. Will it work on high-dimensional data? What if the input data contains outliers? The Pendigits and TCGA datasets are quite challenging. The authors may consider using these datasets to evaluate whether the proposed approach performs well on them. Additionally, comparisons with pioneering clustering algorithms such as U-k-means, X-means, k-means++, and other related techniques in the literature are highly recommended to determine whether the proposed approach performs better, with or without the cluster approach. I also strongly suggest that the authors include relevant references. Including a discussion on the strengths and weaknesses of the proposed technique would be highly beneficial.

Declarations

Potential competing interests: No potential competing interests to declare.