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Abstract
Recently, data mining is applied to many fields widely. In particular, the clustering can analyze theprofile of databases in the data mining field. Many algorithms had been proposed for the clustering.However, most algorithms have either high speed or better accuracy for clustering, but not both. The most popular algorithm, K-Means, has less executive time-spending and better accuracy for clustering if the option of the starting-value is good. Unfortunately, the random options are not always good. In this paper, we propose a strategy based on the grid concept for the option of the starting-value to the K-Means. The objective is to improve the performance of the K-Means. Additionally, we made some experiments, and the results demonstrated that the strategy we proposed did have better performance than the traditional K-Means.
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