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Abstract
Clustering has been discussed and applied in many areas, and K-means algorithm is one that best represents of Partitional clustering algorithms. This calculation method demands for the pre-defined partition number k, and then proceeds with the K-means clustering. What is a good partitions in actual application? General, to find a good partitions, resource cost should increase.
In this paper, we provide an improved genetic algorithm, the population chromosomes have different length in respect to different k, and this method is Genetic Abnormality Algorithm (GAA). Through the clustering experiment, GAA can achieve the research purpose of using less resource to find a good partitions.
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