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Abstract
With flourishing development of information science and technology, the establishment can get easily more and more original data and materials that are including lots of potential and useful information that can offer establishment the formulation of management strategies as a reference. Data mining is an analytic skill that can analyze and find out the potential information among the original data and materials. Under data mining, the way used most frequently for prospecting original materials is decision tree of classification.
According this divinable model, business can find out the relation between all attributes such as customers, products and regions etc, so that they can formulate some business management strategies like product-marketing base on these relations.
In the past, most of the ways were used to prospect the database that the contents were always constant. However, the database of business had been renewing and changing all the time and it needed more and more capacity to save. Although it also could find out the potential information by the original ways, it had to spend more time to analysis the data. Therefore, it became inefficient.
In this thesis, we have proposed three improved algorithm that can improve the efficiency of prospecting of the unusual fluctuation database. Under the improvement type of a thesis perform algorithms, it will not need to rescan the whole database each time when there are newly-increased materials. It usually needs to scan the newly-increased trade materials in order to improve the efficiency of prospecting.
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