Generate Frequent Item Sets with Modified Top down Apriori Algorithm using Mapreduce

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Abstract

As with the advancement of the IT technologies, the data is increasing day by day and it is difficult to manage the data and find out relevant information from it. There are many conventional data mining techniques present for generating frequent item sets. Association rule mining is one of the important task of descriptive technique. Apriori algorithm is the versatile algorithm for generating frequent item sets. Challenge is to improve efficiency by taking less time and produce better results. Hadoop Map reduce introduced by Google overcomes the problem of multiple re-execution of tasks. In this paper Hybrid approach of modified apriori with Hadoop MapReduce is proposed.

References

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Index Terms

Computer Science

Algorithms

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Hadoop, Map-Reduce, Apriori, Data mining, Support Association rules