Abstract

This paper focuses on the comparative investigation and performance evaluation of the ML_TMLA algorithm that generates multiple transaction tables for all levels in one database scan with that of ML_T2L1 and ML_T1LA algorithms. The performance study has been carried out on different kinds of data distributions (three synthetic and one real dataset) and thresholds that identify the conditions for algorithm selection. The AR Tool has been used for the experimental and comparative evaluation of the proposed algorithm with other algorithms.

Reference

Comparative Investigations and Performance Evaluation for Multiple-Level Association Rules Mining Algorithms

207-216, Washington, D.C.
- Han Jiawei, Fu Yongjian. 1999. Mining Multiple-Level Association Rules in Large Databases. IEEE.
- Han, Jiawei and Yongjian, Fu. 1995. Discovery of Multiple-Level Association Rules from Large Databases. Proceedings of the 21st VLDB Conference Zurich, Switzerland.
- Wasilewska Anita. 2007. Mining Association Rules in Large Databases.

Index Terms

Computer Science
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Key words

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