Abstract

The identification of association rule mining has attracted many researchers. Several algorithms for effective discovery of association rule have been proposed. With the vast literature of closed frequent itemset discovery and association rule mining, still we are not able to say that we have found solution for most of the problems. This is the inspiration for my study towards the closed frequent itemsets and association rule mining. In this paper we reviewed few algorithms for closed frequent itemset and presented a comparison.

References

A Survey on Closed Frequent Pattern Mining


- Binesh Nair, and Amiya Kumar Tripathy, 2011, "Optimizing Frequent Pattern Mining through Elimination of Null Transactions", Computational Intelligence and Information Technology, vol. 250, pp 518-523.
- Hongyan Liu, Jiawei Han, Dong Xin and Zheng Shao, 2006, "Mining Frequent Patterns from Very High Dimensional Data: A Top-Down Row Enumeration Approach", pp. 280-291.
- Hongyan Liu, Xiaoyu Wang, Jun He, Jiawei Han, Dong Xin and Zheng Shao, 2009, "Top-down mining of frequent closed patterns from very high dimensional data", Information Sciences, Vol. 179, pp. 899–924.
- Jian Pei, Jiawei Han and Runying Mao, 2000, "CLOSET: An Efficient Algorithm for Mining Frequent Closed Itemsets", in Proceeding of the ACM-SIGMOD, pp. 11–20.
- Jianyong Wang, Jiawei Han and Jian Pei, 2003, "CLOSET+: Searching for the Best Strategies for Mining Frequent Closed Itemsets", in proceeding of the SIGKDD.
- Jiawei Han, Jianyong Wang, Ying Lu, and Petre Tzvetkov, 2002, "Mining Top-K Frequent Closed Patterns without Minimum Support", Proceedings of the IEEE International Conference on Data Mining, p. 211.
- Nicolas Pasquier, Yves Bastide, Rafik Taouil, Lotfi Lakhal, 1999, "Efficient Mining
- Wang J., Han J., and Li C., 2005, "Frequent Closed Sequence Mining without Candidate Maintenance; IEEE Transactions on Knowledge and Data Engineering, vol. 19, No. 8, pp. 1042-1056.
- Yan, X., Han, J., and Afshar, R., 2003, "CloSpan: Mining closed sequential patterns in large datasets; In Third SIAM International Conference on Data Mining (SDM), San Fransico, CA, pp. 166–177.
- Yi Pan, and HongYan Du, 2011, "A Novel Prefix Graph Based Closed Frequent Itemsets Mining Algorithm; proceeding of IEEE International Conference on Computational Science and Engineering, pp. 627-631.
- YuQing Miao, GuoLiang Chen, Bin Song, and ZhiHao Wang, 2006, "TP+Close: Mining Frequent Closed Patterns in Gene Expression Datasets; Data Mining and Bioinformatics , Vol. 4316, pp 120-130.

Index Terms

Computer Science Artificial Intelligence

Keywords

Closed Frequent Itemset Association rule mining and Pattern