Abstract

The conundrum of mining association rules has drawn a lot of attention in the research community. In spite of their practical benefits, it is nontrivial to perform incremental mining or efficient mining of constrained association rules. Many researchers have recently focused on providing discrete solutions for these two problems. It is belief that constrained mining will be in tradition, incremental mining of constrained rules will be obligatory. In this paper, a novel algorithm for incremental mining is proposed which satiates the gap between incremental & constrained mining researchers. The proposed algorithm can discover sequential frequent pattern itemsets in incremental database. We developed new method that considers sequential data mining of marketing websites as an effective tool that participates in having well-structured websites. The advantage of this method is that is saves a lot maintenance efforts.

References

large itemsets with early pruning"; In Proc. of 5th ACM SIGKDD international conference on Knowledge Discovery & Data Mining, CA USA, pp 23-29.

- D. Cheung, J. Han, C. Y. Wong, V. Ng, 1996. "Maintenance of discovered association Rules in large Databases: An Incremental Updating Technique"; In Proc. of 1996 Int’l Conf. on Data Engg. (ICDE’96), USA.


- R. J. Bayardo & R. Agarwal, 1999. "Mining the most interesting rules"; In Proc. of 5th ACM-SIGKDD Int’l Conf. on KDD, CA, USA.
A Proficient Approach of Incremental Algorithm for Frequent Pattern Mining

- J. Han, L. V. S. Laxmanan, R. Ng., 1999. &quot;Constraint-based, Multidimensional data mining&quot;, IEEE Computer Special issue on data mining.
- R. T. Ng., Lasshmanan, J. Han & A. Pang, 1998. &quot;Exploratory mining & pruning optimizations of constrained association rules&quot;, in Proc. of ACM-SIG-MOD Int'l Conf. on Management of Data, pp. 13-24

Index Terms

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Keywords

Frequent Itemset  Association Rule  Incremental Mining