Abstract

Mining Association Rules from huge databases is one of the important issue that need to be addressed. This paper presents a new sampling based association rule mining algorithm that uses a progressive sampling approach based on negative border and Frequent pattern growth (FP Growth) algorithm for finding the candidate item sets which ultimately shortens the execution time in generating the candidate itemsets. Experimental results reveals that the proposed approach is significantly more efficient than the Apriori based sampling approach.

Reference

A Novel Progressive Sampling based Approach for Effective Mining of Association Rules

- J. Han, J. Pei, and Y. Yin, "Mining frequent patterns without candidate generation", SIGMOD, 2000.

Index Terms
Computer Science  Data Mining

Key words  Apriori  Negative border  FP-Growth
Sampling
Temporal Characteristics