Abstract

Mining Association Rules from huge databases is one of the important issues 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 item sets. Experimental results reveal 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

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

Computer Science

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Key words

Apriori

Negative border

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Temporal Characteristics