Abstract

Association rule mining forms the core of data mining and it is termed as one of the well-researched techniques of data mining. It aims to extract interesting correlations, frequent patterns, associations or causal structures among sets of items in the transaction databases or other data repositories. Hence, Association rule mining is imperative to mine patterns and then generate rules from these obtained patterns. This paper provides the preliminaries of basic concepts about Itemset mining and survey the list of existing tree structure algorithms. These algorithms include various tasks such as fast query processing, optimizing memory space and reducing tree construction time. For mining maximal frequent pattern various algorithms used which optimization the search space for pruning.

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February 2012.
A Recent Review on Itemset Tree Mining: MEIT Technique


Index Terms

Computer Science  
Information Science

Keywords

Association rule mining  
Itemset mining  
Itemset tree  
MEIT  
maximal frequent pattern