Abstract

Association rule mining is the most important technique in the field of data mining. It aims at extracting interesting correlation, frequent pattern, association or casual structure among set of item in the transaction database or other data repositories. Association rule mining is used in various areas for example Banking, department stores etc. The paper surveys the most recent existing association rule mining techniques using apriori algorithm.

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**Index Terms**

Computer Science Data Mining

**Keywords**  
Association Rule Mining  Ant Colony Optimization  E-mail Detection  Database Reverse Engineering