

Overview

- Introduction of data Ming (application of mining)
- · Association rule mining
- · Apriori algorithm
- · Comparison of different algorithms
- · Performance comparison









Association rule mining

- · Find all frequent itemsets
- Generate **strong association rules** from the frequent itemsets
- The problem of association rule mining is: efficiently find all rules with support > Minsup, confidence > Minconf
- Example



















summary

- Association rules are an important tool in analyzing databases.
- We've seen an algorithm which finds all association rules in a database.
- The algorithm has better time results then previous algorithms.
- The algorithm maintains it's performances for large databases.

Discussion

- · What are challenges of data mining
- Scalability
- Dimensionality
- Complex and heterogeneous data
- Data quality
- Data ownership and distribution
- Streaming data