

MINING FREQUENT ITEMSETS USING DIRECT HASHING TECHNIQUE

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Abstract

Mining of association rules can provide relevant and novel information to the data analyst. Mining of association rules consists of identifying the frequent itemsets, and then forming conditional implication rules among them. Finding frequent itemsets is computationally the most expensive step in association rule discovery and therefore it has attracted significant research attraction. This paper presents an efficient algorithm for mining complete frequent itemsets from typical datasets. The algorithm is partially based on FP-growth algorithm, in which the tree is built using smaller candidate sets for large 2-itemsets generated by using an efficient direct hashing technique and extracts the possible frequent itemsets directly from the tree.

Keywords : Association rules, data mining, minimum support, frequent items, large itemsets.