

EFFICIENT APPROACH FOR EXTRACTING FREQUENT PATTERN AND ASSOCIATION RULES WITH PERIODIC CONSTRAINTS

VARSHA MASHORIA¹ & ANJU SINGH²

¹Department of Computer Science, Barkatullah University, Institute of Technology, Madhya Pradesh, India

²Department of Information Technology, Barkatullah University, Institute of Technology, Madhya Pradesh, India

ABSTRACT

Mining of association rule from huge amounts of data in the transaction database plays a vital role in data mining, but as technology develops it provide us with many techniques for mining rules. For improving the performance and capability of the association rule mining task, we use different techniques .Constraint based mining is one of them, with the help of this technique the user can think about closely on mining only interested association rule instead of complete set of association rule.. In this paper we propose an approach basically for mining association rules with periodic constraint, which consist of three phases .In first phase it generate the frequent itemset then in the second phase we exploit properties of periodic constraint and in the last phase it generate all the patterns or rules.

KEYWORDS: Association Rule Mining, Conditional Database, Constraint Based Mining, Frequent Itemsets, Minimum Support, Periodic Constraints