

ISSUES AND CHALLENGES ASSOCIATED WITH ASSOCIATION RULES MINING ALGORITHMS

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ABSTRACT

The process of discovering frequent item sets using association rules is the most significant tasks in data mining. Various proficient algorithms are available in the literature for mining such frequent item sets. A critical review of these algorithms emphasized on designing of an efficient multiple level association rules algorithm and data structure that is able to reduce number of iterations, which further may achieve time efficiency. This paper provides a comprehensive survey for number of the state-of-the-art algorithms on mining frequent item sets using single or multiple association rules. The premise of this paper is to identify various interesting issues and challenges associated with existing research and to propose substantive areas for future research for upcoming researchers.

KEYWORDS: Association Rule Mining, Frequent Item Sets