Abstract

Association Rule Mining plays a major role in current research. This classical algorithm extracts frequent itemsets from large dataset which identifies Correlation between different items in the Transaction. Main issue in this algorithm is doubling the data scanning time. Many algorithms are proposed to find association rule and avoid complexity. This paper highlights two algorithms such as Novel Pruning approach for association rule mining and Hiding of Sensitive Association Rule by using improved Apriori algorithm. Finally, Suggested an integrated approach for Filtering Infrequent Itemsets and hiding Sensitive Association Rules using Same method which removes infrequent itemsets for hiding sensitive items in the Dataset.

References

Methodology for Hiding Sensitive Information and Pruning Infrequent Itemsets for Association Rule Mining


7. J. Han, J. Pei, Y. Yin.: Mining frequent patterns without candidate generation. Proceedings of SIGMOD, 2000.

8. F. C. Tseng and C. C. Hsu, “Generating frequent patterns with the frequent pattern list”, Proc. 5th Pacific-Asia Conf. on Knowledge Discovery and Data Mining, pp.376-386, April 2001.


11. J. Pei, J. Han, and R. Mao, "CLOSET: An efficient Algorithm for mining frequent closed itemsets", ACM SIGMOD workshop research issue in Data mining and knowledge Discovery, PP. 21-30, 2000.


Index Terms

Computer Science Information Sciences

Keywords

Association Rule, Apriori, Support, Confidence, Pruning, Hiding