Abstract

Security of the huge database which includes certain sensitive information will become a vital issue when the data is released to outside world. Privacy preserving data mining is a new research area to protect privacy for sensitive information from exposé. PPDM include various association rules hiding method. The existing approach follows the concept of hiding the rule by fine tune the support of the LHS and RHS item of the rule. So the proposed approach is to combine the concept of ISL and DSR algorithms by manipulating the support of the LHS and RHS item of the rule and RHID is used to hide the rules for incremental environment. The advantage of combining this is to hide the rules from both sides in incremental environment. A novel approach for ARM using pattern generation is used instead of traditional apriori which reduce multiple database scan and require less memory space.

References


Index Terms

Computer Science

Algorithms
Keywords

Association rule hiding; Hybrid algorithm; Incremental Association rule hiding; Privacy preserving data mining.