Abstract

Data mining process is used to extract knowledge from the database. Large numbers of data mining tools are available to get the useful information. These tools can be utilized to break the privacy and security of useful sensitive information present in the database. This sensitive information may be personal information, patterns, facts etc. This sensitive information if mined will result in loss of business logics of database owners. Hence there is a need to hide sensitive knowledge. The hiding process must ensure that the knowledge should be mined without disclosing sensitive association rules to the users with minimum impact on nonsensitive association rules. Also, intentional as well as unintentional attackers who are trying to retrieve
sensitive association rules should not be successful once they are hidden. In this paper, the authors propose a methodology to hide sensitive association rules.

References

- G. Dong and J. Li, Interestingness of Discovered Association Rules in terms of Neighbourhood-Based Unexpectedness, Second Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'98), pp. 72-86, 1998.

Index Terms

Computer Science

Data Mining

Keywords
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