Abstract

Privacy and security risks taken place from the application of different data mining techniques to great organizational data storehouses have been exclusively inspected by a new research domain, the so-called privacy preserving data mining. Association rule hiding is one of the privacy preserving techniques which study the problem of hiding sensitive association rules.
There are many algorithms and techniques were developed to solve this problem. In this research work, we have used genetic algorithm optimization technique for protecting sensitive association rules.

Reference

- Bikramjit Saikia, Deb Kumar Bhowmik. Study of Association Rule Mining And different hiding Techniques. Department of computer Science Engineering, National Institute of Technology,Rourkela.
- Rakesh Agrawal, Tomasz Imielinski, Arun Swami. Mining Association Rules between sets of items in Large Databases.IBM Almaden Research Center,San Jose,CA 95120.
- Vassilios S. Verykios • Emmanuel D. Pontikakis • Yannis Theodoridis • Liwu Chang. 2007. Efficient algorithms for distortion and blocking techniques in association rule hiding, springer.

Index Terms

Computer Science  Security
### Key words

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Genetic Algorithm