Abstract

Credit card frauds are increasing with the increase in use of plastic money. These frauds include the transactions done either by stealing the physical card or using card data such as card number, expiry date and pin number. There is a need to recognize customer spending pattern and apply validations for incoming transaction. Suspicious transactions can go under rigorous security checks. This paper describes the database implementation of credit card fraud detection system which is adaptive to concept drift environment. The system is designed using PL-SQL stored procedures and JAVA. The validation procedure and testing results are included in this paper.

References

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Concept drift, self learning, credit card fraud detection.