Abstract

Currently the firm owns three different shops at three different places. Present system is implemented using three different computers at all the shops which are not connected to each other by any means. The owner has to visit each and every shop and collect daily transaction and stock reports to get the data. These reports are then evaluated and used to order new stock. And hence "Stock Control using Data Mining" for shopping malls gives the idea about shopping mall's daily updations, details and recoveries, also we get decision over the malls. A centralized database management is very useful for any businessman who has more than one shops, outlets etc. Each and every shop is given a computer with the same software. All stock details entered by all the shops are maintained locally as well as centrally on server. Hence the proposed system will help in generating a decision support system for stock management, forecasting demands of the customer, calculating profitability of the shopping malls and comparing the stocks of two or more shops etc. All these operations can be implemented by using "Apriori" algorithm. Finally the system will be useful for any businessman who wants to have the control over stock of the items that are sold daily.
References

- Savasere, E., Omiecinski, & S. Navathe, An efficient algorithm for Mining association Rules in Large Databases, Proc. of 21st Int. Conf. on Very large Databases, 1995: 175-186
- D. W. Choung, J. Han, V. Ng, Maintenance of discovered association rules in large databases: An incremental updating Technique, in Proc., 1996 Int. Conf. Data Engineering.
- E. H. Han, G. Karypis, V. Kumar, Scalable parallel data mining for association rules, In proc, 1997, ACM-SIGMOD Int. Conf. Management of Data.
- J. Han, Y. Fu, Discovery of multiple level association rules from large databases, In Proc. 1995 Int. Conf. Very Large Databases

- Professor Anita Wasilewska explained, “Apriori Algorithm”; in detail with example

Index Terms

Computer Science

Data Mining

Keywords

Apriori  Prune Step  Join Operation  Frequent Itemsets