Abstract

In the field of computer science, data mining is the process that attempts to discover patterns in large data sets. However it deals mostly with the relationship between two or more item objects. For example A to B, where 'A' and 'B' are the item objects. But in the real life scenario not only the relationship between item objects is important, but the relationship of their frequency of occurrence is also the matter of a prime concern. The instances of two or more data items also may be correlated with each other. For example the relation between A and 2B. Where 'A' and 'B' are the data items and '2B' represents two instances of the B type of data items. This paper provides a new approach to find the occurrence dependent data patterns by conventional approaches and also compare the some inter related concepts.

References

- Data mining an overview from database prospective Ming Syan Chen, Jiwaei Han,
Data Mining Considering the Instances of Item-Sets

Philip s. Yu, IEE transaction on knowledge and data engineering, Vol 8 No 6, December 1996

- Data Mining: Concepts and Techniques, Second Edition Jiawei Han and Micheline Kamber, Morgan Kaufman series.
- Feng Tao, Weighted Association Rule Mining using Weighted Support and Significant framework. ACM SIGKDD, Aug 2003
- K. Wang, Y. He and J. Han, Mining Frequent Itemsets Using Support Constraints, VLDB, Sep 2000
- Bing Liu, Wynne Hsu, Yiming Ma, Mining Association Rules with Multiple Minimum Supports. ACM SIGKDD, June 1999
- J. Han and Y. Fu, Mining Multiple-Level Association Rules in Large Databases, IEEE TKDE, September/October 1999, pp. 798-805.
- Jiawei Han, Jian Pei, Yiwen Yin, Mining frequent patterns without candidate generation, ACM SIGMOD, May 2000.
- Jian Pei, Jiawei Han, CLOSET: An Efficient Algorithm for Mining Frequent Closed Itemsets, DMKD, May 2000.
- Jianyong Wang, Jiawei Han, Jian Pei, CLOSET+: searching for the best strategies for mining frequent closed itemsets, ACM SIGKDD, Aug 2003.

Index Terms

Computer Science

Information Sciences

Keywords

Data Items
Instances of data items
Data patterns
Occurrence dependency