Abstract

In recent days, there is more interest in discovering multi dimensional relationship among item sets rather than frequent pattern sets for applications in specific domains viz. identification of irregularities in stock marketing, assessing the causes in certain diseases, identifying irregularities in farming system etc. This paper focuses on the mining of multi dimensional relationship among various item sets. An efficient algorithm to identify multi dimensional relationship in Inter Disciplined Independent Variables (IDIV) and dependent variable has been proposed. The effectiveness of the algorithm has been assessed on real world data set related to socio-economic conditions of farming system.

References

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Identification of Multidimensional Relationship among Item Sets using Association Rules

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Index Terms

Computer Science

Data Mining

Keywords

Multidimensional Relationship  Association Rule  Support  Confidence