Abstract

At Present Mining regular patterns in the data are an emerging research area. The huge escalations in the records and scopes of available database regular pattern mining are interesting problem in present days. Regular pattern mining is important criterion for measuring several applications like crime analysis, market basket analysis and web analysis. To mine regular patterns we use vertical data format technique in crime database approach achieves better performance. Not only frequency, the regularity of the item also can be consider as emerging factor in data mining research. Here we proposed a model to mine regular sort of crimes in crime database using vertical data format.

References

2. S. Sivaranjani, S. Sivakumari, A Novel Approach for serial crime detection with the
consideration of class imbalance problem, Indjst, volume 8, issue 34, December 2015.

IEEE Transactions on Knowledge and Data Engineering 17(7), pp. 875-887, 2005.

Information Society 176, pp. 2006, pp.3591-3609

5. R. Agarwal, and R. Srikanth, “Fast algorithms for mining association rules in Large

6. B. Ozden, S. Ramaswamy, A. Silberschatz. “Cyclic Association Rules.” In.: 14 th
International conference on Data Engineering, 1998, pp. 412-421

7. J. Han, J. Pie, Y. Yin “Mining Frequent Patterns without candidate generation”, In Proc.
ACM SIGMOD international Conference on management of Data, 2000, pp.1-12.

8. Han J, Pie J, Yin Y “Mining Frequent Patterns without candidate generation”, In Proc.
ACM SIGMOD international Conference on management of Data, 2000, pp. 1-12.

Index Terms

Computer Science Information Sciences

Keywords

Regular pattern mining, frequent pattern mining, Crime data set, Vertical data format,
Association rule