Abstract

Data mining helps in doing automated extraction and generating predictive information from large amount of data. The association rule mining is one of the important area of research in Data mining. The Association rule mining identifies the useful associations or relationship among big set of data items. In this paper, we provide the important concepts of Association rule mining and existing algorithms and their effectiveness and drawbacks. The references provided in this paper covered the main theoretical issues and guiding the researcher in an interesting research direction that have yet to be discovered.

References

- G. K. Gupta, 2009 &quot;Introduction to Data mining with Case Studies&quot;, PHI Learning private limited, New Delhi.
- S. Shankar and T. Purusothaman, 2009 &quot;Utility Sentient Frequent Item set Mining and Association Rule Mining: A Literature survey and Comparative Study&quot;, International
A Study on Milestones of Association Rule Mining Algorithms in Large Databases

- En Tzu Wang and Arbee L. P. Chen, "A Novel Hash-Based Approach For Mining Frequent Item-Sets Over Data Streams Requiring Less Memory Space," Data Mining and Knowledge Discovery, Volume 19, Number 1, pp 132-172.
A Study on Milestones of Association Rule Mining Algorithms in Large Databases

- V. Umarani and M. Punithavalli, April 2010  "On Developing an Effectual Progressive Sampling Based Approach for Association Rule Discovery", In the proceedings of 2nd IEEE International Conference on Information and data Engineering (2nd IEEE ICIME 2010), Chengdu, China.
- Savesere A, Omiecinski E, and Navathe S, 1995  "An Efficient Algorithm For Mining Association Rules In Large Databases", In Proceedings of 20th International Conference on VLDB.
- Cheung D, Han J, Ng V, Fu A and Fu, Y 1996, "A Fast Distributed Algorithm For Mining Association Rules", in Proceedings of 1996 International Conference on Parallel and Distributed Information Systems, Miami Beach, Florida, pp. 31-44.
- Han, J And Pei, J, 2000  "Mining Frequent Patterns By Pattern Growth: Methodology And Implications", SIGKDD Explorations 2, 2, 14–20.
- Pei, J, Han, J, and Lakshmanan L. V. S, 2001  "Mining Frequent Itemsets With Convertible Constraints", In Proceedings of the 17th International Conference on Data Engineering (ICDE'01), Heidelberg, Germany, IEEE Computer Society Press, pp. 433 – 442.
IEEE Press.
- Tien Dung Do, Siu Cheung Hui and Alvis Fong, 2003 "Mining Frequent Itemsets with Category-Based Constraints", Lecture Notes in Computer Science, Volume 2843, pp. 76–86.
- Yinbo WAN, Yong LIANG and Liya DING, 2009 "Mining Multi-level Association Rules From Primitive Frequent Item-sets", Journal of Macau University of Science and Technology, June 30, Vol 3 No 1.
- Chris Cornelis, Peng Yan, Xing Zhang, and Guoqing Chen, 2006 "Mining Positive and Negative Association Rules from Large Databases", IEEE conference 2006.
A Study on Milestones of Association Rule Mining Algorithms in Large Databases

- M. Dunham, 2003 "Data Mining Introductory and Advanced Topics", pp. 185-186, Section 6. 7. 2. Pearson Education.
- B. Lent, A. Swami,and J. Wisdom, "Clustering association rules", In the proceeding of 13th International Conference on Data Engineering, pp. 220.

Index Terms

Computer Science

Information Sciences
Keywords
Data Mining  Association Rule Mining  Apriori  Fp-growth  Frequent Item Sets