Abstract

Many algorithms are designed to analyse volumes of data automatically in an efficient way so that the users don't have to look through that massive amount of data manually for generating various association rules among them. Apriori algorithm, which is the most famous and frequently used data mining algorithm. Our main focus is to parallelize the Apriori algorithm in such a new way that when we will implement on a large database, it will lead to less time consuming and fast execution for generating frequent itemset.
Analysis on Parallelization of Apriori Algorithm in Data Mining

References

- An Hash – Mine algorithm for discovery of frequent itemsets, Marek Wojciechowski, Maciej Zakrzewicz Institute of computer science, ul. Piotrowo3a Poland.
- An Efficient Algorithm for mining Association rules in Large databases, Ashok Savasere, Edward Omiecinski, Shamkant Navathe, College of computing, Georgia Institute of technology, Atlanta, GA 30332.
- A Fast Apriori implementation, infomatics Laboratory, Computer and Automation Research institute, Hungarian academy of sciences.
- Mining Large Itemsets for Association Rules, Charu C. Aggarwal, IBM research Lab.
- Mining association rules between sets of items in large databases, Rakesh Agarawal, Tomasz Imielinski*, Arun swami, IBM research lab.
- Fast algorithm for mining association rules, Rakesh Agarwal Ramakrishna Srikannt*, IBM research labs 650 Harry Road, San Jose, CA 95120.
- J Han, Y. Cai, and N, Cercone. Knowledge Discovery in database: An attribute oriented approach. Proceeding of the 18 th International Conference on very large data bases, Page 547-559, August 1992

Index Terms

Computer Science
Advances In Computer
Application
Keywords

Apriori Algorithm  Association Rule Mining  Frequent Itemset  Parallelize The Apriori Algorithm