Abstract

Frequent pattern mining has been a focused theme in data mining research for over a decade. Abundant literature has been dedicated to this research and tremendous progress has been made, ranging from efficient and scalable algorithms for frequent itemset mining in transaction databases to numerous research frontiers, such as sequential pattern mining, structured pattern mining, correlation mining, associative classification, and frequent pattern-based clustering, as well as their broad applications. In this paper, we develop a new technique for more efficient pattern mining. Our method finds frequent 1-itemset and then uses the heap tree sorting we are generating frequent patterns, so that many. We present efficient techniques to implement the new approach.

References

Proceeding of the 2004 international conference on data mining (ICDM'04), Brighton, UK, pp 35–42


Index Terms

Computer Science  Pattern Recognition

Keywords

Frequent Pattern Mining  Maxheap  Data Mining  Data Structure