Abstract

As the need for strategic information is escalating at a tremendous rate worldwide, it has become a challenging task to manage the growing data and efficiently mine useful knowledge out of this raw data. Pattern Mining is one such technique to mine useful patterns out of the pattern warehouse. Patterns are the one way of knowledge representations. Few pattern generation and mining approaches are available in literature but they are only confined to find simple patterns. Since, genetic algorithm is a search heuristic, which is used to find optimal solutions for the optimization and search problems. So in this paper, author is proposing a novel pattern mining algorithm for finding optimal patterns from pattern warehouse. The algorithm uses the features and operators of the genetic algorithm to incorporate the property of optimality among patterns.

References


Index Terms

Computer Science

Algorithms

Keywords
A Novel Optimal Pattern Mining Algorithm using Genetic Algorithm

Data Mining, Genetic Algorithms, Pattern Mining, Pattern Warehousing.