Abstract

Classification Rule Mining (CRM) is a data mining technique for discovering important classification rules from large dataset. This work presents an efficient genetic algorithm for discovering significant IF-THEN rules from a given dataset. The proposed algorithm consists of two main steps. First step generates set of classification rules and the second step deletes the weak rules and selects only the significant rules. Since weak rules are deleted and significant rules are selected, the proposed algorithm can be considered as knowledge acquisition tool for classification problems. Experimental results are presented to demonstrate the contribution of the proposed algorithm for discovering the significant rules.

References

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Knowledge Acquisition tool for Classification Rules using Genetic Algorithm Approach

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Index Terms

Computer Science

Algorithms

Keywords

Classification rules  Genetic algorithm  Significant rule.