Comparative Study on Bio-inspired Approach for Soil Classification

Abstract

Ant miner is a data mining algorithm based on Ant Colony Optimization. Ant miner algorithms are mainly for discovery rule for optimization. Ant miner+ algorithm uses MAX-MIN ant system for discover rules in the database. Soil classification deals with the systematic categorization of soils based on distinguished characteristics as well as criteria. In this paper, Ant miner and Ant miner+ algorithm were applied to both training and soil dataset to obtain classification rules and found that Ant miner+ performs better than Ant miner.

References

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Index Terms

Computer Science Data Mining

Keywords

Ant Colony Optimization  Ant miner  Ant miner+