

Data Mining in Water Resource Management Using Metaheuristics

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Abstract

Efficient water resource management is essential for sustainability. This paper investigates the role of data mining and metaheuristic algorithms in optimizing water distribution and usage. Techniques like clustering, association rule mining, and genetic algorithms are applied to analyze resource data and optimize management strategies. Results indicate significant improvements in resource allocation and sustainability.

(Keywords:)

Data Mining, Water Resource Management, Metaheuristics, Sustainability, Resource Optimization

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