

Metaheuristics for Heart Disease Prediction Using Medical Imaging

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Abstract

Heart disease prediction is a critical task in modern healthcare. This paper investigates the use of metaheuristic algorithms, such as Genetic Algorithms and Particle Swarm Optimization, for analyzing medical imaging data. By optimizing feature selection and classification models, the proposed framework enhances diagnostic accuracy and reduces computational complexity. Results demonstrate that metaheuristics provide a reliable solution for improving heart disease prediction.

(Keywords:)

Metaheuristics, Heart Disease Prediction, Medical Imaging, Diagnostic Accuracy, Feature Selection

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