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Heart disease prediction model with ECGSFS and Genetic Optimized NN classifier

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ABSTRACT

Heart diseases are a more prevalent issue in modern medical situations. Every year a massive number of people perish due to this cardiac discomfort. Malapropos medications without the guidance of clinicians and detection of diseases at a later stage are the leading cause of these fatalities. The number frequency of mortality rate increases every year. This study presents an innovative classification technique with the utilization of evolutionary correlated gravitational search feature selection (ECGSFS) and Genetic optimized Neural network (GONN). Real-time implementation results and observations are clearly described. The present study achieved great performance in terms of precision, recall, F-measure and accuracy. A comparison is made with prior approach to evaluate the proposed work.

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