A Optimized Binary Approach for Heart Disease Decision Model in Biomedical Data Mining

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Abstract

Heart diseases are the most common cause of death across worldwide. Due to the huge amount of data obtained from medical sector, hidden patterns remain hidden and knowledge cannot be extract from the database. This will result into loss of required information and treatment cannot be done accordingly. Several techniques have been proposed till now to find the effect of disease at earlier stage but still it is under consideration. Data mining is used to extract useful information from the database. Consequently, data analyses tool can be used to fetch required information from the database and effective decision can be made. Traditionally various heart disease detection techniques have been proposed like decision tree, genetic algorithm and so on.

References

2. Umair Shafique et al, “Data Mining in Healthcare for Heart Diseases”, International
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11. Rafael S. Parpinelli et al, “Data mining with an Ant Colony Optimization Algorithm
24. Yanwei Xing et al, “Combination Data Mining Methods with New Medical Data to Predicting Outcome of Coronary Heart Disease”, IEEE, Pp. 868-872, November 2007

Index Terms

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Keywords

Data Mining, Heart Disease, BPSO, Neural Network.