Extended Firefly Prediction Model for Prognosis of Heart Disease

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Abstract

In all the diseases, cardiovascular disease or CVD is the main reason for the death all over the world. 1 to 5 in every one thousand persons suffers from the heart disease. Even though advances have been performed to get better surveillance treatment but yet Heart failure diagnosis has been occurred 1.7 years in men and 3.2 years in women. 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 for the extraction of significant, meaningful and desired information from the datasets of patients. The different classification algorithms were used in the existing systems for the prediction of heart disease, in which the attributes of data mining are fed. However, it has been analyzed that there is no single classifier that produces best result for dataset and not a single data mining technique that gives consistent results for all types of health related data. Therefore, in this paper, a novel classifier i.e. fa-ANN, is proposed that can provide the optimal results for the healthcare data than other classifiers in terms of accuracy, precision and recall.
References

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