Abstract Details

Title: Diagnosis of Cardiovascular Abnormalities: A Data Mining Based Approach

Author: Harish Ruhil

Abstract: Now a day data mining is used in many areas directly or indirectly associated with our lives. Health care is also one of the domain which gets a lot of benefits and researches with the advent and progress in data mining. It plays a vital role in extracting useful knowledge and making scientific decision for diagnosis and treatment of disease. Data mining in medicine can resolve this problem and can provide promising results. Treatment records of millions of patients have been stored and various tools and techniques are applied to analyze the data. A classification approach in health care could be a method of diagnosing to determine if a patient has certain disease or not. In this paper, we make use of a large heart disease data set obtained from UCI machine repository applied J48 and Random Forest classifier after prepossessing the data sets and the result shows that J48 outperforms and gives promising results as compared to Random Forest.

Keywords: Data Mining, Health care, Heart Disease.