Abstract

Prediction and diagnosis of heart disease has become a formidable factor faced by medical practitioners and hospitals both in India and also worldwide. The early and timely diagnosis of heart disease plays a very crucial role in halting its advancement and reducing related medical costs. Taking into account the ever-increasing rise in heart disease-induced mortality, different techniques have been adopted to treat it. The idea intends to develop a heart disease prediction model, which will implement ensemble techniques, can help the doctors in detecting the heart disease status based on the patient's clinical data. This paper provides a quick and facile analysis and understanding of available prediction models using data mining from 2011 to 2017. The comparison shows the accuracy level of each model given by different researchers.

References


10. Aigerim Altayeva, Z Suleimenov Zharas, Young Im Cho “Medical Decision Making Diagnosis System Integrating k-means and Naïve Bayes algorithms”, IEEE October 2016.


Index Terms

Computer Science

Data Mining
Keywords

Prediction, heart disease, classification, ensemble, diagnosis