

VISUALIZING AND PREDICTING HEART DISEASES WITH AN INTERACTIVE DASHBOARD

LITRATURE SURVEY:

[1] TITLE:

Predicting the Risk of Heart Failure With EH Sequential Data Modeling

METHODOLOGY:

Model designed by applying neural network. This paper used the electronic health record (EHR) data from real-world datasets related to congestive heart disease to perform the experiment and predict the heart disease before itself.

ADVANTAGES:

Reveal the importance of respecting the sequential nature of clinical records.

DISADVANTAGES:

This paper used the electronic health record (EHR) data from real-world datasets related to congestive heart disease to perform the experiment and predict the heart disease before itself.

[2] TITLE:

Computational Intelligence and Communication Technology.

METHODOLOGY:

This study eliminates the manual task that additionally helps in extracting the information(data) directly from the electronic records.

ADVANTAGES:

Generate strong association rules, we have applied frequent pattern growth association mining on patient's dataset.

DISADVANTAGES:

Depends on dataset's information and valid dataset is required.

[3] TITLE:

An Intelligent Learning System based on Random Search Algorithm and Optimized Random Forest Model for improved Heart Disease Detection

METHODOLOGY:

This paper uses random search algorithm (RSA) for factor selection and random forest model for diagnosing the cardiovascular disease.

ADVANTAGES:

This methodology is efficient and less complex than conventional random forest model. Comparing to conventional random forest it produces 3.3% higher accuracy

DISADVANTAGES:

This model is principally optimized for using grid search algorithmic program.

Submitted by

S.Vijayaragavan

W. Martin

G.Santhiya

M.Aruna