

Mariam Alsaeed

Data Science – Part Time Final project proposal

Heart disease is one of the most significant causes of mortality in the world today. Prediction of cardiovascular disease is a critical challenge in the area of clinical data analysis. Machine learning has been shown to be effective in assisting in making decisions and predictions from the large quantity of data produced by the healthcare industry.

I will work on predicting potential Heart Diseases in people using Machine Learning algorithms. The algorithms included logiest regression K Neighbors Classifier, Decision Tree Classifier and Random Forest Classifier. And I will try to find significant features by applying machine learning techniques resulting in improving the accuracy in the prediction of cardiovascular disease.

Refrence

S. Mohan, C. Thirumalai and G. Srivastava, "Effective Heart Disease Prediction Using Hybrid Machine Learning Techniques," in *IEEE Access*, vol. 7, pp. 81542-81554, 2019, doi: 10.1109/ACCESS.2019.2923707.

Data set

<https://www.kaggle.com/ronitf/heart-disease-uci>