

NALAIYA THIRAN

Visualizing and Predicting Heart Diseases with an Interactive Dash Board



**Heart Disease
Prediction
Model Building**



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DOMAIN

- Data Analytics

OBJECTIVES

- ▶ The aim of this project is to predict and visualize various heart diseases with an interactive dashboard. This dashboard is used to visualize the various trends in different heart diseases.

IDEATION

- ▶ Using various visualization tools like IBM Cognos to visualize parameters that lead to various heart diseases.



IDEATION

- ▶ Taking major attributes like blood pressure, glucose level ,ECG cholesterol and other underlying medical conditions.



IDEATION

- ▶ Early analysis of health statistics to prevent heart disease

IDEATION

- ▶ Our EDA detects mistakes, finds appropriate data, checks assumptions and determines the correlation among the explanatory variables (Like blood pressure, ECG)



SOFTWARE REQUIRED

- ▶ IBM Cognos
- ▶ Python

PROCESS FLOW

- ▶ The Dataset is first obtained which includes data of various heart related disease.
- ▶ The Dataset is then processed with the help of Data Analytics using Python
- ▶ The analysed dataset is analysed & visualized in an interactive dashboard using IBM Cognos.

TIMELINE

MONTH 1

Preprocess the data set in order to enhance the visualization graph

MONTH 2

The second month is about visualizing and analysing the data set obtained.

MONTH 3

The third month is implementing the visualized dataset into an interactive dashboard

THANK YOU