Project Proposal

Stroke Prediction

Abstract

According to the World Health Organization (WHO) stroke is the 2nd leading cause of death globally, responsible for approximately 11% of total deaths. this project use to predict whether a patient is likely to get stroke or not based on the input parameters.

Data / design

The data from kaggle.com(https://www.kaggle.com/fedesoriano/stroke-prediction-dataset)

This dataset contains 5110 observations with 12 attributes and used to predict whether a patient is likely to get stroke based on the input parameters like : (Unique id , gender, hypertension , heart disease , ever married , work type, Residence type , Average glucose level in blood , Body Mass Index and smoking status) .Each row in the data provides relevant information about the patients

In this project the I will use Classification ,Analysis ,Cleaning , Visualization model in the data .

Algorithms

The algorithm used is a logistic regression

Tools

The tools use Machine Learning on Stroke Prediction Dataset model library : Numpy , sklearn pandas and seabron visualization by heatmap .