**Stroke prediction**

INTRODUCTION

**A**ccording to the World Health Organization (WHO) stroke is the 2nd leading cause of death globally, responsible for approximately 11% of total deaths.This dataset is used to predict whether a patient is likely to get a stroke based on the input parameters like gender, age, various diseases, and smoking status. Each row in the data provides relevant information about the patient. The task is to build a model that can be used to predict stroke.

TOOLS USED

Tools used for this Classification

* Programming Language – Python
* Code Editor – Google Colaboratory
* Data set – kaggle

ALGORITHM USED

# Random Forest Classifier

Random forest, like its name implies, consists of a large number of

individual decision trees that operate as an ensemble. Each individual tree in the random forest spits out a class prediction and the class with the most votes becomes our model’s prediction. Random forests are powerful not only in classification/regression but also for purposes such as outlier detection, clustering, and interpreting a data set.

CONCLUSION

Finally by analyzing the Stroke Prediction Data set to find the Accuracy and whether a person gets Stroke or not, using the Random Forest Algorithm the training data shows 94.5% accuracy by entering once data’s we can find that whether the person gets Stroke or not.