

In [20]: *# Building the Classifier*
1.Load the data

In [21]: !pip install xgboost

Collecting xgboost

Downloading xgboost-2.0.3-py3-none-win_amd64.whl (99.8 MB)

Requirement already satisfied: scipy in c:\users\sreenija\anaconda3\lib\site-packages (from xgboost) (1.7.3)

Requirement already satisfied: numpy in c:\users\sreenija\anaconda3\lib\site-packages (from xgboost) (1.21.5)

Installing collected packages: xgboost

Successfully installed xgboost-2.0.3

In [73]: *# Importing Libraries*
Utitlity Libraries
import numpy **as** np

import pandas **as** pd

Visualisation Libraries
import matplotlib.pyplot **as** plt

import seaborn **as** sns

import plotly.express **as** px

import plotly.graph_objects **as** go

Algorithm, Evaluation, and Model Libraries
from sklearn.linear_model **import** RidgeClassifier

from sklearn.metrics **import** accuracy_score

from sklearn.ensemble **import** RandomForestClassifier

from sklearn.model_selection **import** GridSearchCV

from sklearn.feature_extraction.text **import** CountVectorizer

from sklearn.model_selection **import** train_test_split

from sklearn.linear_model **import** LogisticRegression