

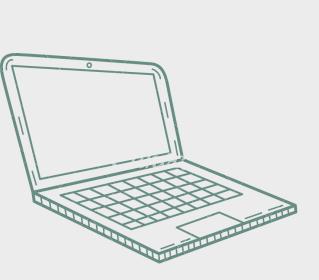
## INTRODUCTION:

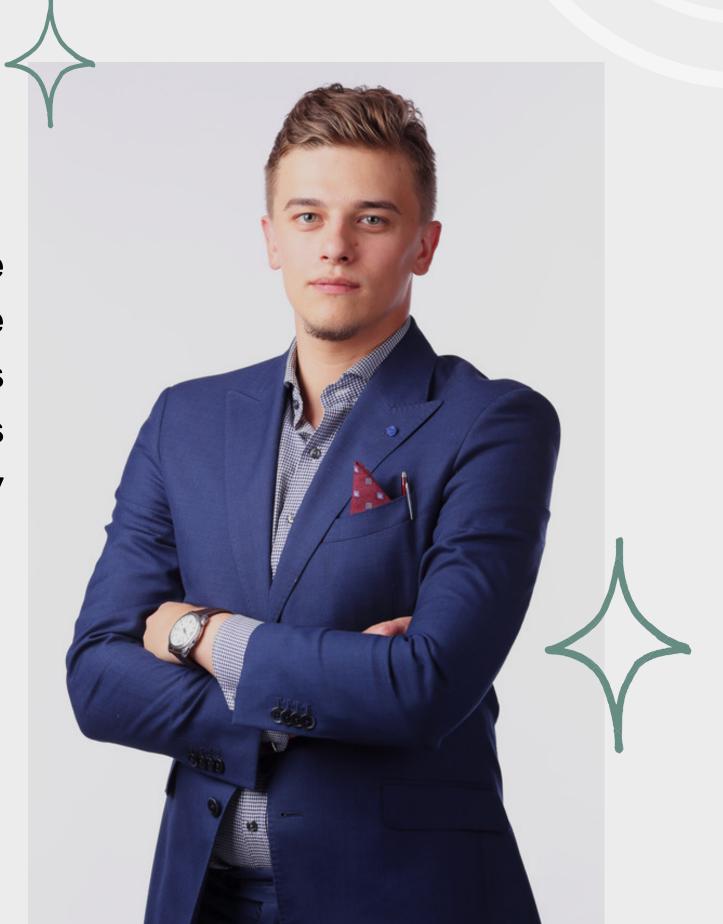
Stock Price Prediction using machine learning helps you discover the future value of company stock and other financial assetstraded on an exchange. The entire idea of predicting stock prices is to gain significant profits. Predicting how the stock market will perform is a hard task to do text



### **ABSTRACT**

 In Stock Market Prediction, the aim is to predict the future value of the financial stocks of a company. The recent trend in stock market prediction technologies is the use of machine learning which makes predictions based on the values of current stock market indices by training on their previous values.





#### **EXPLORATORY ALALYSIS**

 To begin this exploratory analysis, first import libraries and define functions for plotting the data using matplotlib.
Depending on the data, not all plots will be made.



#### **PROGRAM**

import numpy as np import pandas as pd import matplotlib.pyplot as plt import seaborn as sb from sklearn.model\_selection import train\_test\_split from sklearn.preprocessing import StandardScaler from sklearn.linear\_model import LogisticRegression from sklearn.svm import SVC from xgboost import XGBClassifier from sklearn import metrics features = ['Open', 'High', 'Low', 'Close', 'Volume'] plt.subplots(figsize=(20,10)) for i, col in enumerate(features): plt.subplot(2,3,i+1) sb.distplot(df[col]) plt.show()



# OUTPUT







features = ['Open', 'High', 'Low', 'Close', 'Volume']

plt.subplots(figsize=(20,10))

for i, col in enumerate(features):

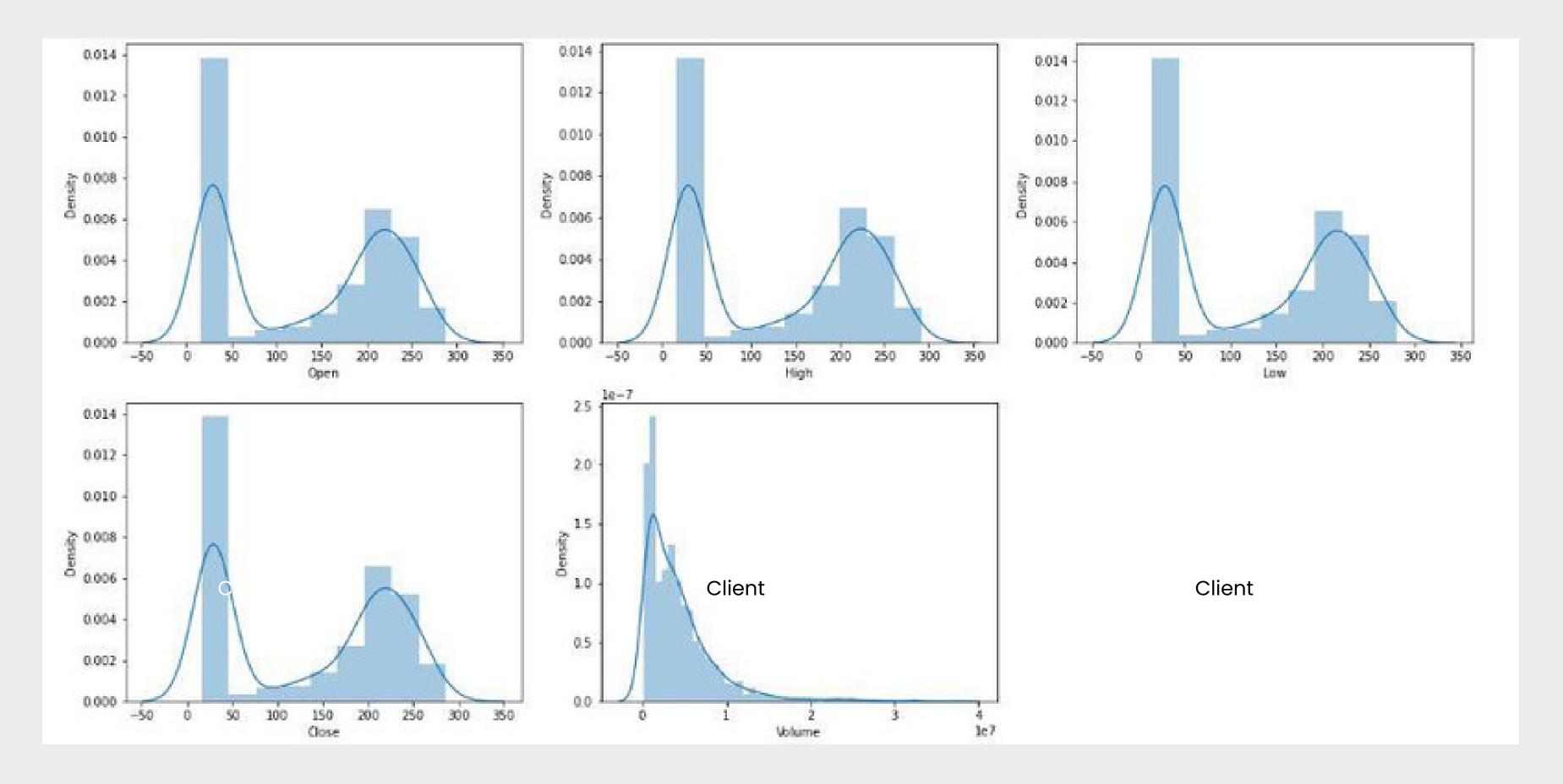
plt.subplot(2,3,i+1)

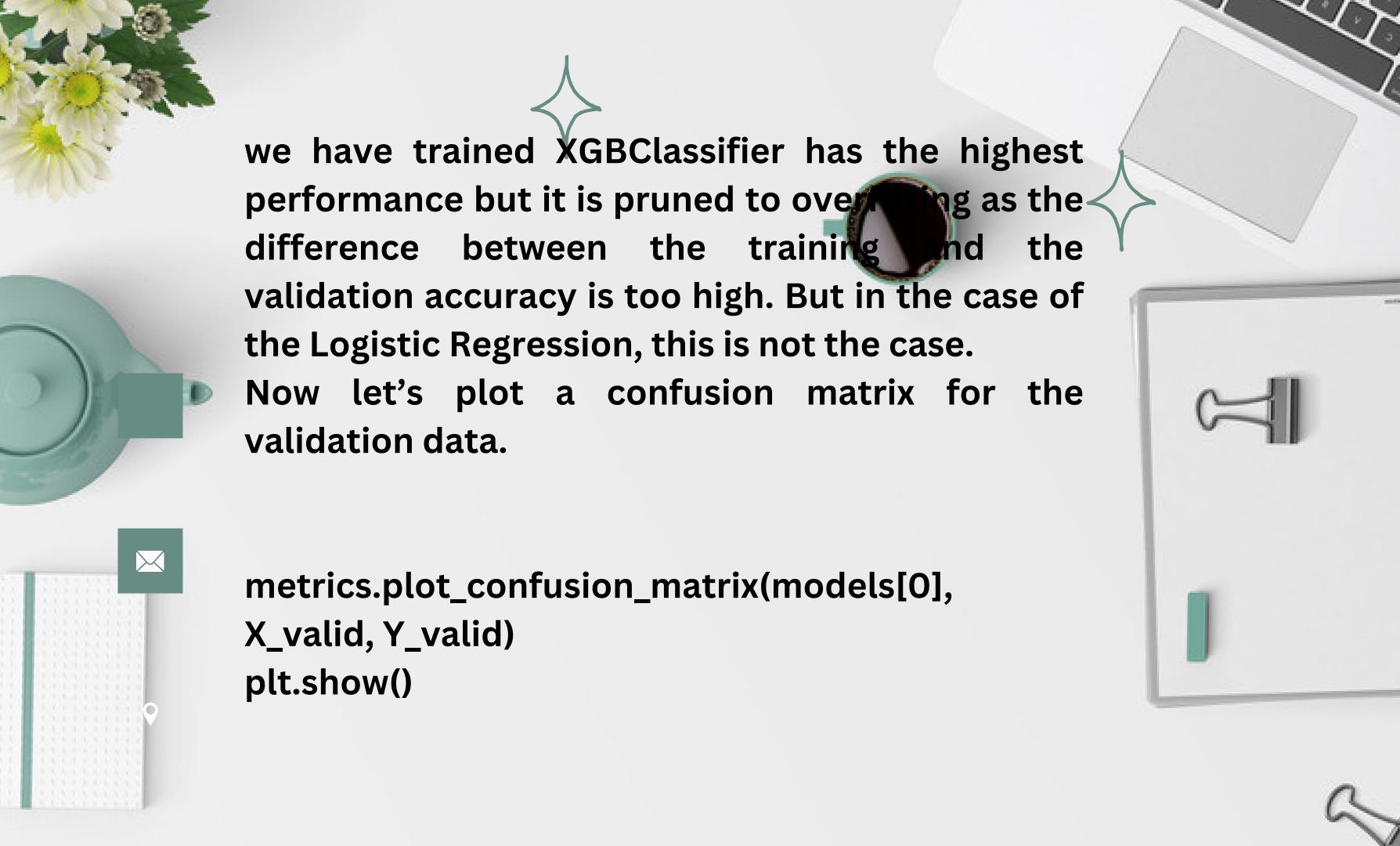
sb.distplot(df[col])

plt.show()

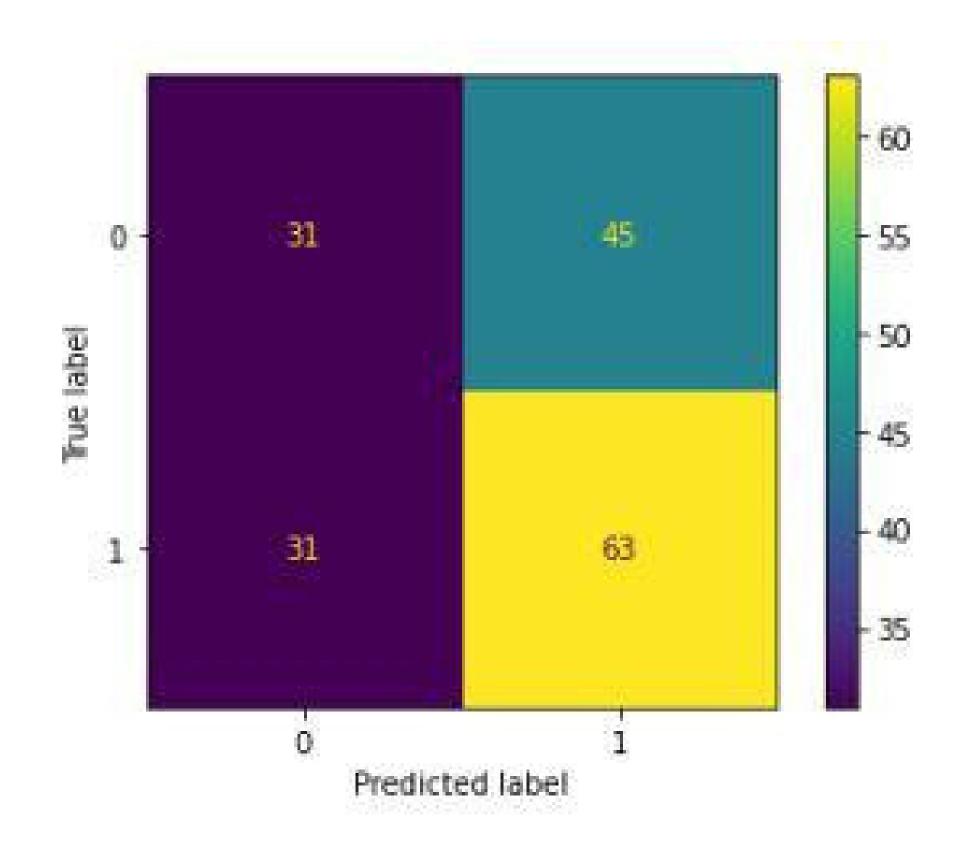


#### **OUTPUT**





### **OUTPUT**



### CONCLUSION

A stock price is a given for every share issued by a publicly-traded company. The price is a reflection of the company's value – what the public is willing to pay for a piece of the company.



