

# **Stock Price Analysis With Python**

## **Introduction**

Stock market is one of the current red-hot topic nowadays. It is always been difficult task to know the stock market behavior on daily basis. Therefore, this is a basic Saudi Stock Market analysis project to describe and implement successful techniques in Python programming to understand some of the basics of Saudi financial markets.

## **Data Description**

Data from Tadawul Saudi Exchange on the daily closing prices of Bank Alrajhi. The dataset provided in Excel format. It is a five-year data capturing of 10.000 records and the following 8 features:

- Open: The price of the stock when the market opens in the morning
- Close: The price of the stock when the market closed in the evening
- High: Highest price the stock reached during that day
- Low: Lowest price the stock is traded on that day
- Change: measures the nominal Price Change since the previous day's close price
- % change: measures the absolute percentage price since the previous day's close
- Volume: The total amount of stocks traded on that day
- No. of Trades: The total deals that were opened during a day.

## **Tools**

- Python
- Numpy
- Excel

- Microsoft word
- Microsoft PowerPoint

## **Questions**

- What is stock's short-term and long-term behavior?
- Is there a high risk or low risk investing in Alrajhi stock?
- At which day was the highest and lowest trading price?
- Can we predict the stock closing price?