

Eman Al-barakah

Top5 Bootcamp

15 Nov 2021

Saudi Stocks Prices 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 four leaders companies: Al Rajhi Bank, SABIC, Saudi Telecom Company, and Saudi Electricity Co. The dataset provided in Excel format then divided into 4 csv files. It is a ten-year data capturing of 10.065 records and the following 9 features:

- Date – Represent the trading day
- 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 opened during a day.

Tools

- Python
- Numpy
- Panda
- Matplotlib
- PDF
- Microsoft Excel
- Microsoft word
- Microsoft PowerPoint

Questions

- 1-** What stocks opening prices behavior over years?
- 2-** Is there a correlation between stocks opening prices?
- 3-** What is daily percentage changes?
- 4-** What is the most traded stock Company?

