TIME SERIES PROJECT (stock data analysis)

* ABOUT: the S&P 500 is stock market index that measures the stock performance of 500

Large companies listed on stock exchanges in United States.

* Objective: The objective of this stock market analysis project is to analyze the price changes of stocks over time, compute and analyze moving averages of various stocks, observe the closing price changes specifically in Apple stock, perform resampling analysis, and conduct multivariate analysis and covariate analysis. The project aims to gain insights into the overall trend and volatility of the stock market, identify potential investment opportunities, evaluate the performance of specific stocks like Apple, and explore relationships and dependencies between different stocks and variables.
* Started with importing messy data, cleaning data, merging, concatenating, grouping and aggregating data and analyzing.
* Tools and technologies used: python, pandas, matplotlib , seaborn, plotly, numpy