

Import pandas and yfinance, datetime modules, plotly.express module

1. Import the necessary Python libraries and downloaded the historical stock price data for four companies: Apple, Microsoft, Netflix, and Google, for the last three months.
2. Reset the index.
3. Analyze and find the Stock Market Performance for the Last 3 Months and display it as line chart.
4. Compare the performance of different companies and identify similarities or differences in their stock price movements using the faceted area chart.
5. Analyze moving averages, to identify trends and patterns in each company's stock price movements over a period and visualize the data by line chart.
6. Analyze the volatility of all companies. Volatility is a measure of how much and how often the stock price or market fluctuates over a given period.
7. Analyze the correlation between the stock prices of Apple and Microsoft and display it as scatter chart.