

1. Time Series Plots:

- Plotting the Open, High, Low, and Close prices over time.
- Plotting the Volume traded over time.

2. Candlestick Charts:

- Visualizing the Open, High, Low, and Close prices in candlestick form to depict the price movements within each time period.

3. Moving Averages:

- Plotting moving averages (e.g., 50-day, 100-day) of the Close price to identify trends.

4. Volume Analysis:

- Plotting volume bars alongside price movements to analyze trading activity.
- Calculating and visualizing average daily trading volume over time.

5. Price Distribution:

- Histogram or kernel density plot of the Close price distribution to understand its spread and skewness.

6. Correlation Analysis:

- Heatmap showing correlation between Open, High, Low, Close prices and Volume.

7. Relative Strength Index (RSI) and Moving Average Convergence Divergence (MACD):

- Plotting these technical indicators to identify potential buying or selling opportunities.

8. Rolling Statistics:

- Plotting rolling mean and standard deviation of the Close price to identify periods of volatility.

9. Seasonal Decomposition:

- Decomposing the time series into trend, seasonal, and residual components to identify patterns.

10. Price Comparison:

- Comparing the performance of multiple stocks or indices by plotting their Close prices on the same graph.