

Apple Stock Price Analysis & Forecasting

- Tools Used:
- Python
- Pandas
- Matplotlib
- Seaborn
- Plotly
- Statsmodels
- Scikit-Learn

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Problem Statement & Objective

- Problem Statement:
- Investors and analysts need to understand and anticipate stock price movements to make informed financial decisions. Apple Inc., being one of the most actively traded stocks, shows trends and volatility that are difficult to interpret without systematic analysis.
- Objective:
- Analyze historical Apple stock price data

Dataset Summary

- Dataset Source: Historical Apple (AAPL) Stock Prices
- Time Period: January 2015 – Latest Available
- Total Records: 2515 trading days
- Features:
 - Open – Opening price
 - High – Highest price of the day
 - Low – Lowest price of the day