

Intel Corporation Inc. Stock Data Analysis



Financial Analytics

Team Members

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Outline

- Business Summary
- CAPM Model
- Ratio Calculation
- Technical Analysis
- Monte Carlo Simulation
- Bollinger Bands
- Simple & Exponential Moving Average
- Price Forecasting
- Recommendations



Business Summary

- Intel Corporation designs, manufactures, and sells computer components and related products.
- The Company major products include microprocessors, chipsets, embedded processors and microcontrollers, flash memory, graphic, network and communication, systems management software, conferencing, and digital imaging products



CAPM Model

- Determine the expected return on an investment based on its risk.
- The CAPM demonstrates the relationship between the expected return and risk of an investment.
- $R_a = R_f + \beta_a (R_m - R_f)$
- Beta = 1.01
- $R_f = 4.17\%$
- $R_m = 0.97\%$
- $R_A = 12.32\%$

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Ratio Calculation

Gross Profit Margin: 40%

Current Ratio: 1.54

Return on Assets: 2.38%

Quick Ratio: 1.15

Return on Equity: 38%

Cash Ratio: 0.89

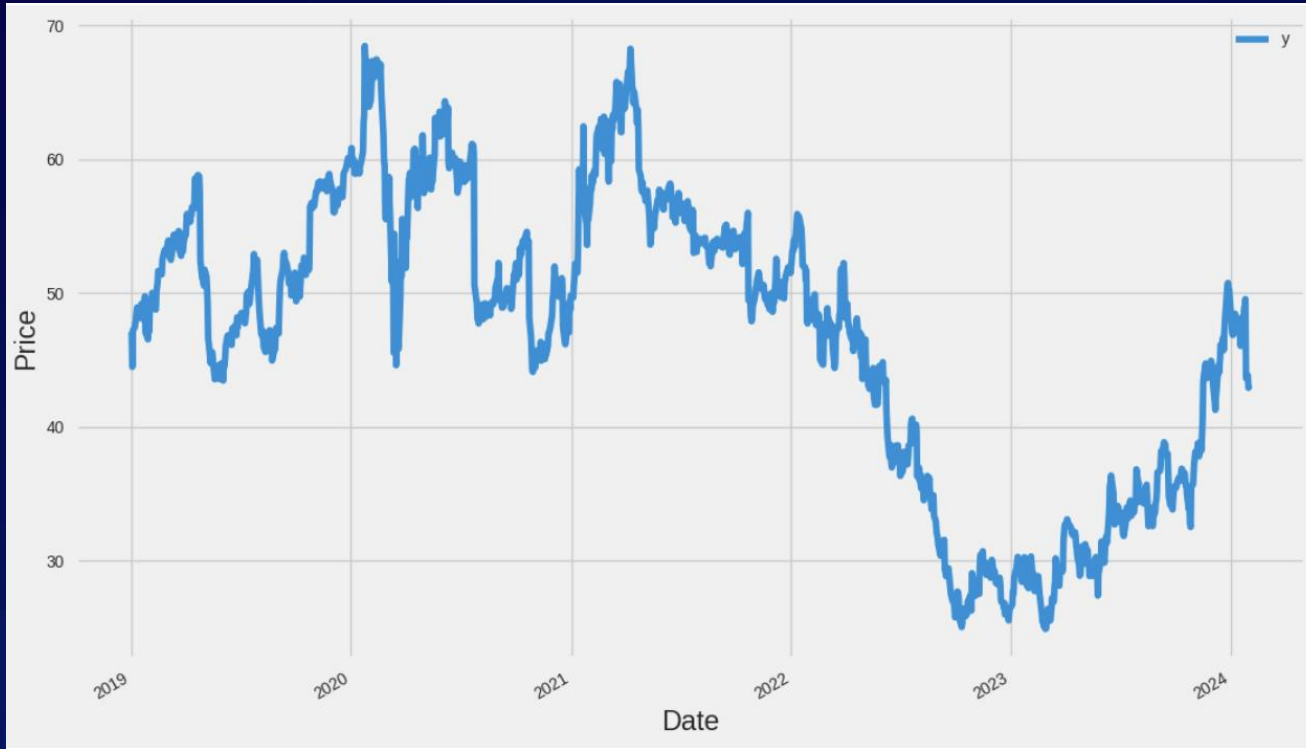
Net Profit Margin: 3%

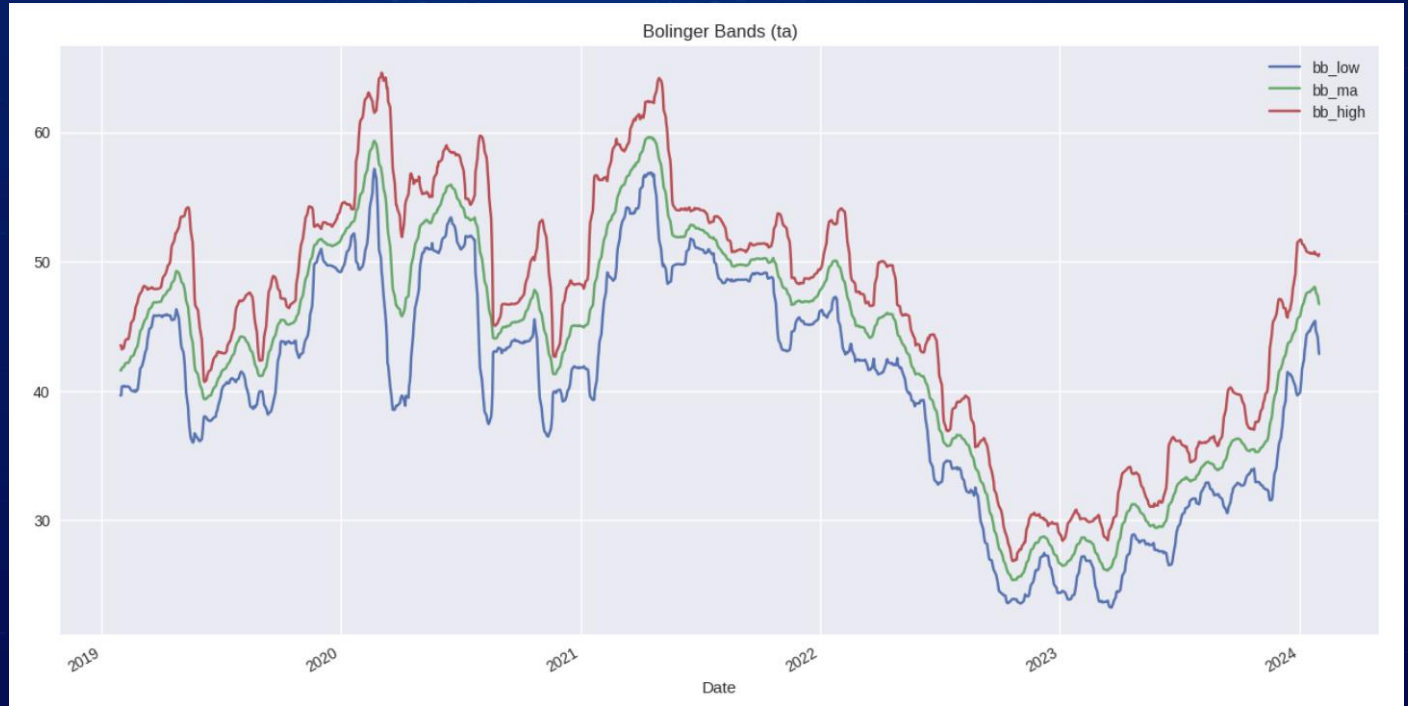
Debt to Equity: 0.77

Price to Earnings: 90.58



Technical Analysis





Bollinger Bands

Monte Carlo Simulation

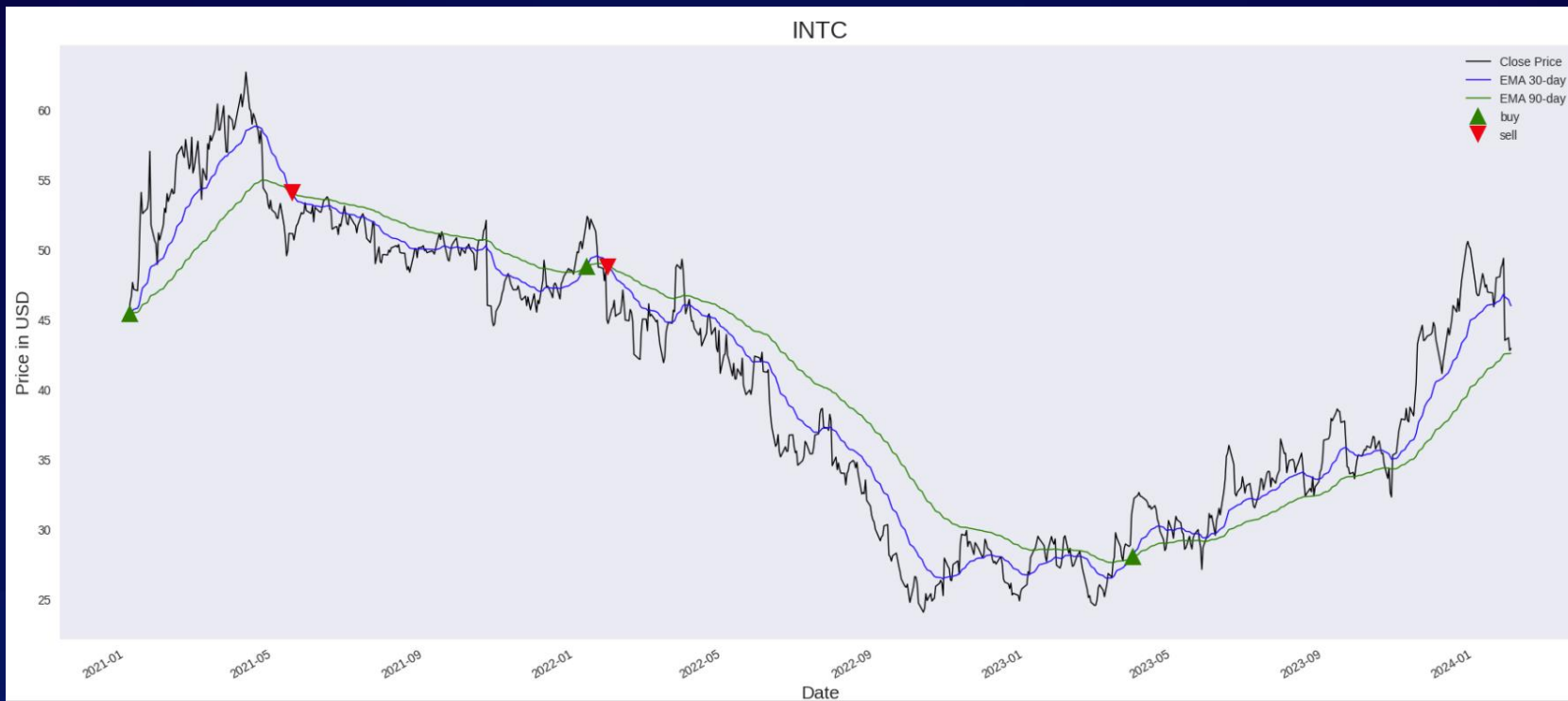
- A method used to predict various possible outcomes by analyzing statistics.
- It helps estimate how investments might perform in different situations.
- By doing this, it gives a range of potential returns for investments.
- Average = 16.9%
- Std Div = 0.016
- Average Price = 58.59
- Std. Div. Price = 0.8389
- Positive Return is 68.66%.



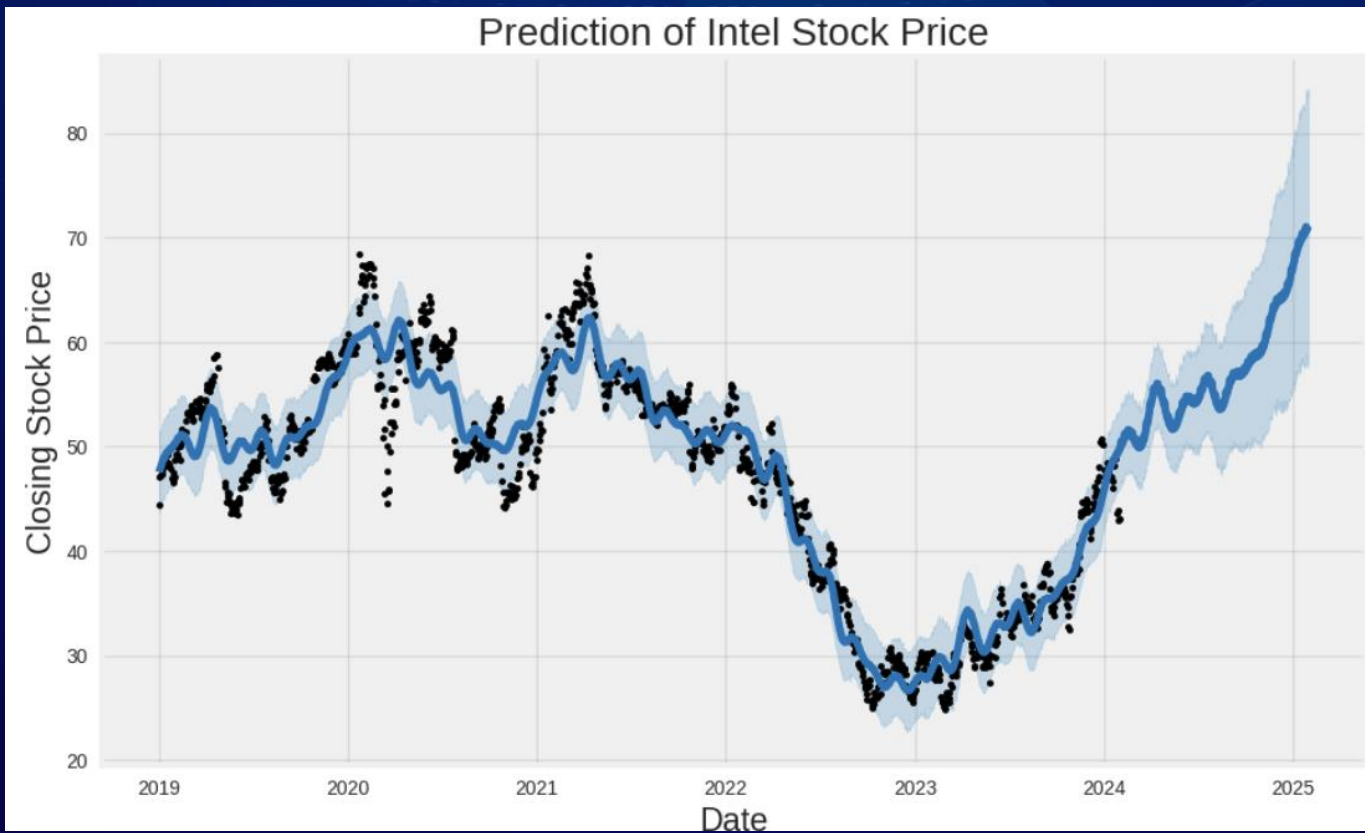
Simple Moving Average(SMA)



Exponential Moving Average(EMA)

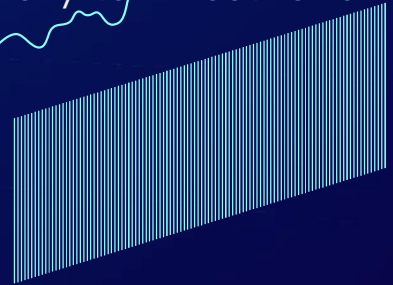
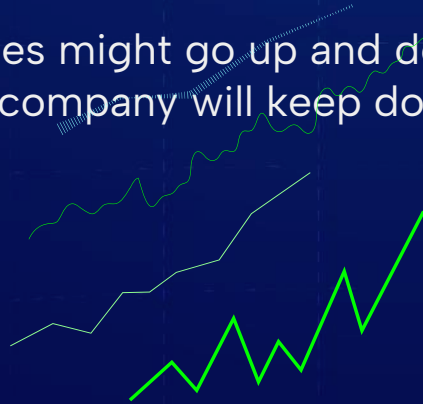
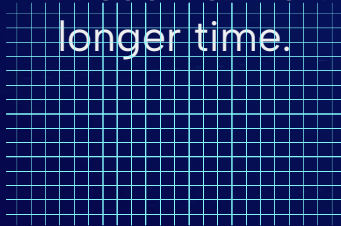


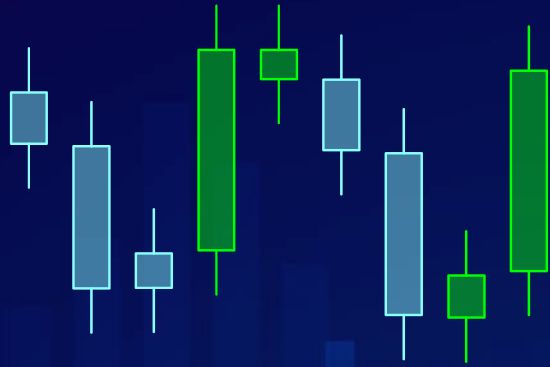
Forecasting



Recommendation

- The company's financial numbers and predictions for the stock price to go up suggest it could be a good investment.
- Because the company's finances look strong and it's expected to keep growing, it seems like a good idea to invest for the long term rather than just a short time.
- Even though prices might go up and down in the short term, in the long run, it seems like the company will keep doing well, so it's less risky to invest for a longer time.





Thank You