

Self-advising Stock Investment Model

| Home | Stock Prediction | | | |
|------------------------------|----------------------------|--|--|---|
| Company Name | (AMZN) Amazon.com, Inc. | Highest Stock price in 5 years 186.57 | Lowest Stock price in 5 years 67.20 | Average daily volume in 5 years 77.86M |
| Alphabet Inc. | | | | |
| Amazon.com, Inc. | | | | |
| Apple Inc. | | | | |
| Microsoft Corporation | | | | |
| NIKE, Inc. | | | | |
| NVIDIA Corporation | | | | |
| Tesla, Inc. | | | | |
| The Procter & Gamble Company | | | | |
| Visa Inc. | | | | |
| Walmart Inc. | | | | |

| | | |
|--|---|---|
| <div>Beta Value</div> <div>1.17</div> <div>The beta value for the selected stock indicates a more volatile stock. If a stock's beta is, say, 1.5, a 10% move in the market could result in a 15% move in the stock.</div> | <div>Current Ratio</div> <div>0.99</div> <div>The current ratio of the selected stock suggests that the company may struggle to meet its short-term obligations with its current assets. It raises concerns about liquidity and the potential need to rely on external financing or asset sales. A consistently low current ratio may indicate financial distress and operational challenges.</div> | <div>Debt-Equity Ratio</div> <div>90.76%</div> <div>The chosen company has a moderate debt-equity ratio which indicates a balanced capital structure. The company is using a reasonable amount of debt to complement equity financing. This range is often considered acceptable for many industries.</div> |
| <div>Price-to-Earnings Ratio</div> <div>74.65</div> <div>The chosen company has a high P/E ratio which suggests that investors are willing to pay a premium for the company's earnings, anticipating strong future growth. It may indicate optimism about the company's prospects. While a high P/E can be justified for high-growth companies, it may also signal an overvalued stock if not supported by solid fundamentals. Optimal P/E ratios can vary by industry. Comparing a company's P/E ratio to industry averages provides context for its...</div> | <div>Return on Equity</div> <div>12.53%</div> <div>The chosen company has a moderate ROE which indicates reasonable profitability relative to equity. It may be acceptable for companies in mature industries or those with stable earnings.</div> | <div>Historical Volatility</div> <div>23.00%</div> <div>The chosen company has Moderate Historical Volatility which represents a moderate level of price fluctuation. Often seen in stocks of mid-cap companies or during periods of average market volatility.</div> |

Reducing concentration risk: If you wish to invest in a portfolio of stocks, avoid investing in the same sectors. Because if a majority of your investment is in the same industry, a general downturn in that industry could affect your portfolio drastically. Risk diversification: When you invest in stocks, try to build your portfolio where the correlation between stocks is low. The primary goal of diversification is risk reduction. Since low-correlated assets don't move in lockstep, the portfolio's overall volatility is typically lower than that of individual assets. This can lead to a more stable and less risky investment experience.

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Stock Prediction

Company Name

Alphabet Inc.

Amazon.com, Inc.

Apple Inc.

Microsoft Corporation

NIKE, Inc.

NVIDIA Corporation

Tesla, Inc.

The Procter & Gamble
Company

Visa Inc.

Walmart Inc.

Stock Price Prediction

Model Name

LSTM combined with GARCH

Model Performance

MAPE
18.19%

RMSE
2.02

DA
48.21%

Actual and Predicted Stock Close Price of Amazon.com, Inc. (AMZN) by Date

● Actual Close Price ● Predicted Close Price



24/5/2022



24/11/2023

