

# NVDA Financial Market Analysis Report

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Price Forecast for the Next Week (5 Business Days):

{'Day 1': 115.72357346975494, 'Day 2': 114.00366869285656, 'Day 3': 113.57102013601026, 'Day 4': 115.12770652267403, 'Day 5': 114.50774315467369}

Model Evaluation (MAE): 8.48

Please review the diagnostic plots for further insights.

### AI-Powered Market Insights

Based on the provided financial data for NVDA, here are some comprehensive market insights:

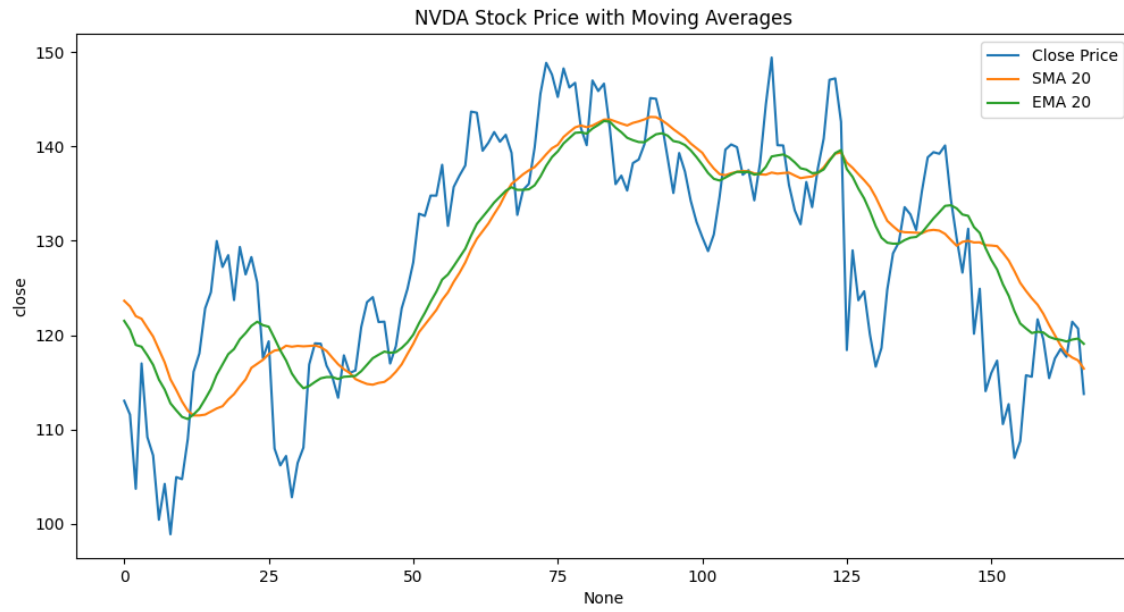
- Current Market Trend:** The recent stock performance of NVDA shows a declining trend, with the stock price falling from \$134.99 to \$113.76 over the last 20 records. The moving averages (SMA\_20 and EMA\_20) are also trending downwards, indicating a bearish market trend. The Relative Strength Index (RSI) is currently at 53.60, which is in the neutral zone, but the MACD and MACD signal lines are below the zero line, confirming the bearish trend.
- Potential Investment Risks:** The declining trend and the bearish indicators suggest that there are potential investment risks associated with NVDA. The volatility of the stock is relatively high, with an average true range of 4.43%, which may result in significant price fluctuations. Additionally, the Bollinger Bands are widening, indicating increased volatility and potential for further price declines.
- Short-term Price Movement Prediction:** Based on the price forecast for the next week, the

stock price is expected to continue its downward trend, with a predicted price of \$115.72 on Day 1, \$114.00 on Day 2, \$113.57 on Day 3, \$115.13 on Day 4, and \$114.51 on Day 5. This forecast suggests that the stock price may experience some fluctuations but will likely remain in a downtrend.

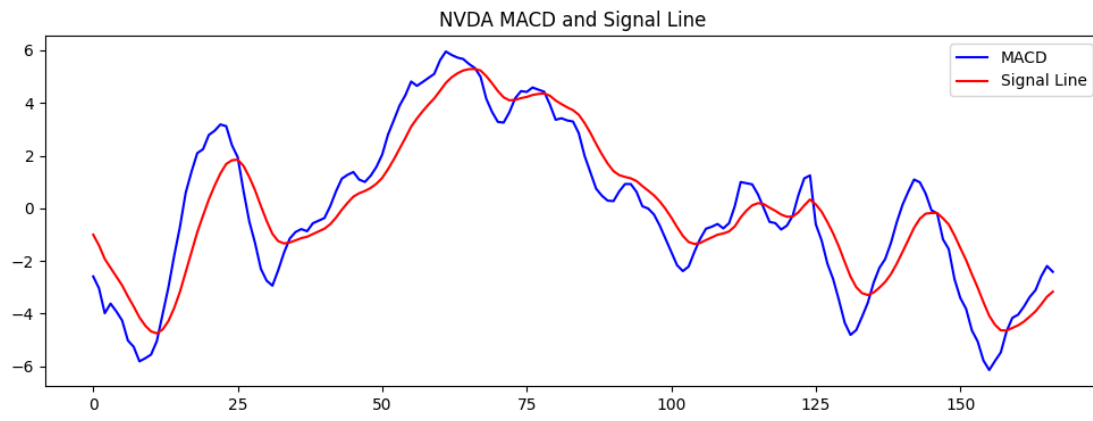
4. **\*\*Recommendations for Investors:\*\*** Given the current market trend and potential investment risks, it is recommended that investors exercise caution when considering investing in NVDA. Short-term investors may want to consider selling or avoiding the stock until the trend reverses. Long-term investors may want to hold onto their positions, but it's essential to monitor the stock's performance closely and be prepared to adjust their strategy if the trend continues to decline. It's also crucial to diversify portfolios to minimize potential losses.

In conclusion, the current market trend for NVDA is bearish, with potential investment risks due to high volatility and declining prices. The short-term price movement prediction suggests a continuation of the downtrend, and investors should exercise caution when considering investing in the stock.

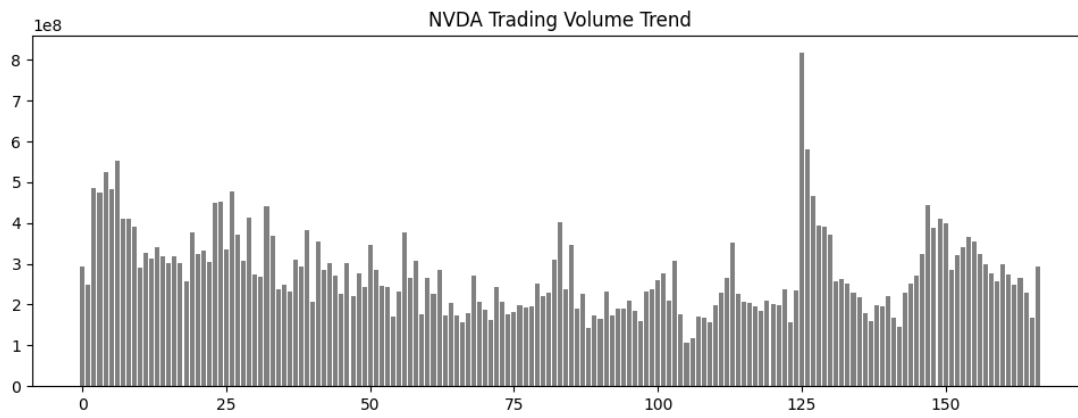
## NVDA Stock Price with Moving Averages



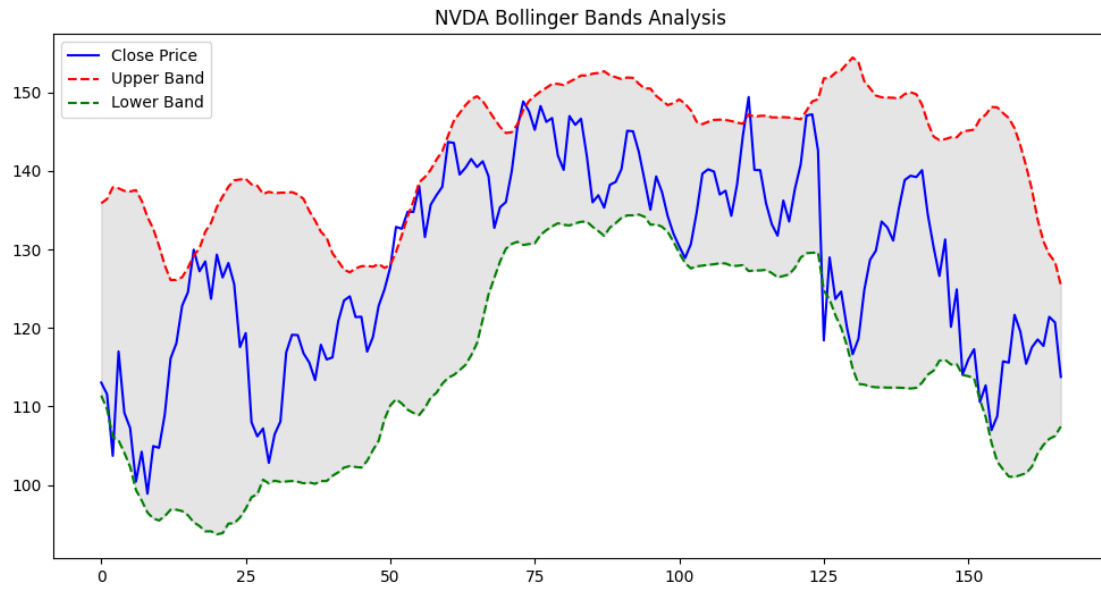
# NVDA MACD Analysis



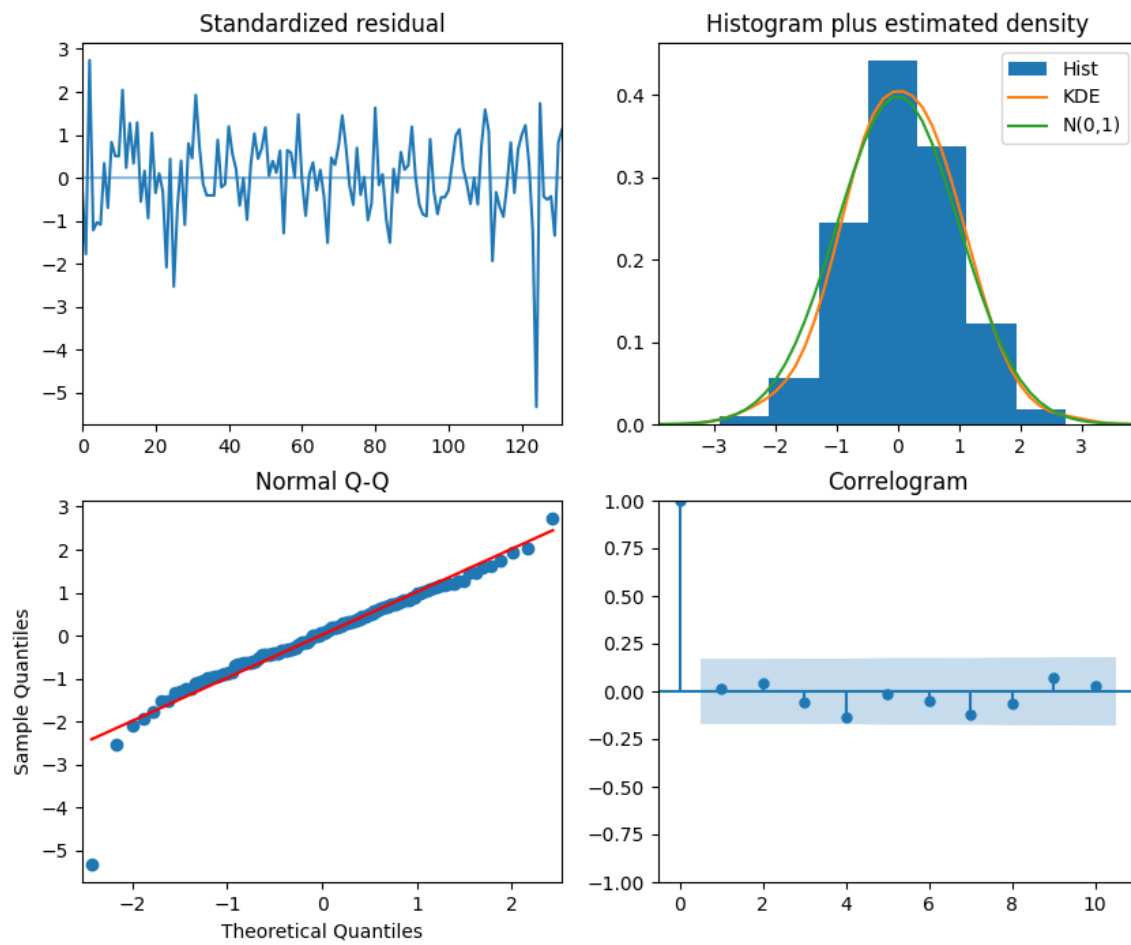
# NVDA Volume Trend



# NVDA Bollinger Bands Analysis



## NVDA Model Diagnostic Plot



# NVDA Forecast Plot

