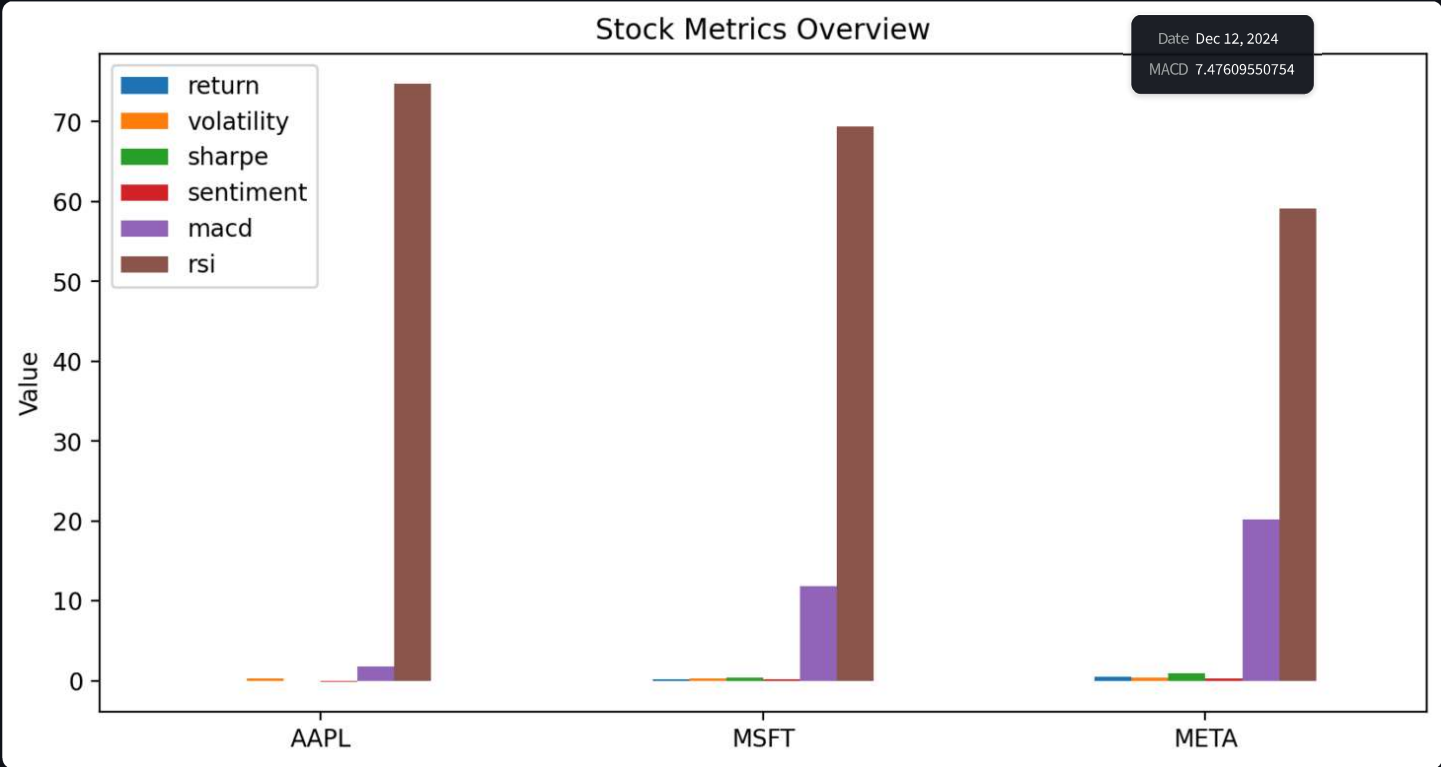# AI-Powered Stock Analysis Dashboard

Fetching and analyzing data...

Stock Metrics Comparison

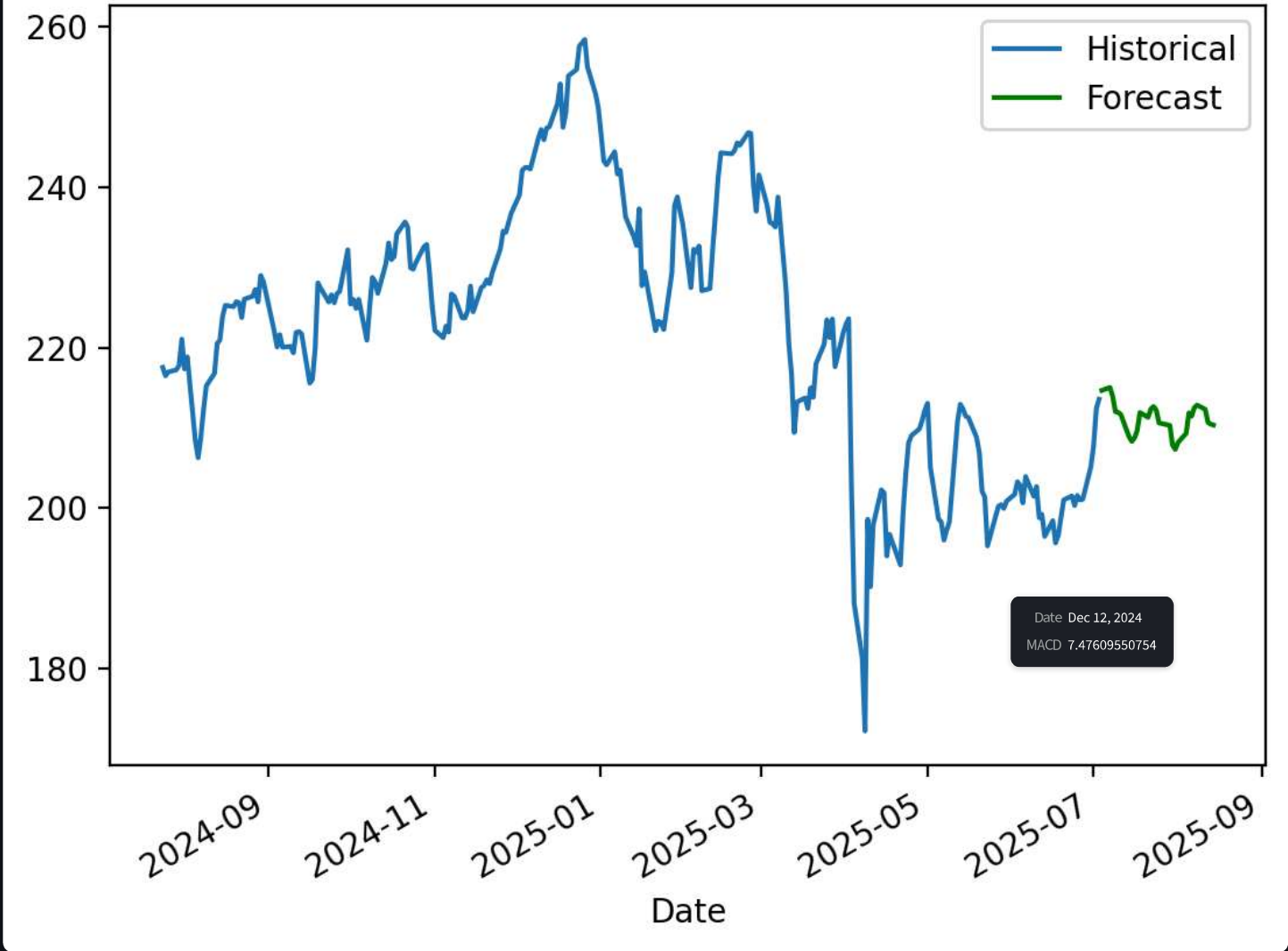|	return	volatility	sharpe	sentiment	macd	rsi	expected_return
AAPL	0.00	0.32	-0.01	-0.07	1.77	74.80	-0.0
MSFT	0.16	0.26	0.41	0.23	11.85	69.45	0.0
META	0.48	0.37	0.98	0.30	20.24	59.17	0.0

Visual Comparison of Key Metrics

Forecasted Price Trends (SARIMA)

AAPL Forecast

AAPL - SARIMA Forecast

MSFT Forecast

MSFT - SARIMA Forecast

Legend:
- Historical
- Forecast

Tooltip:
Date Dec 12, 2024
MACD 7.47609550754
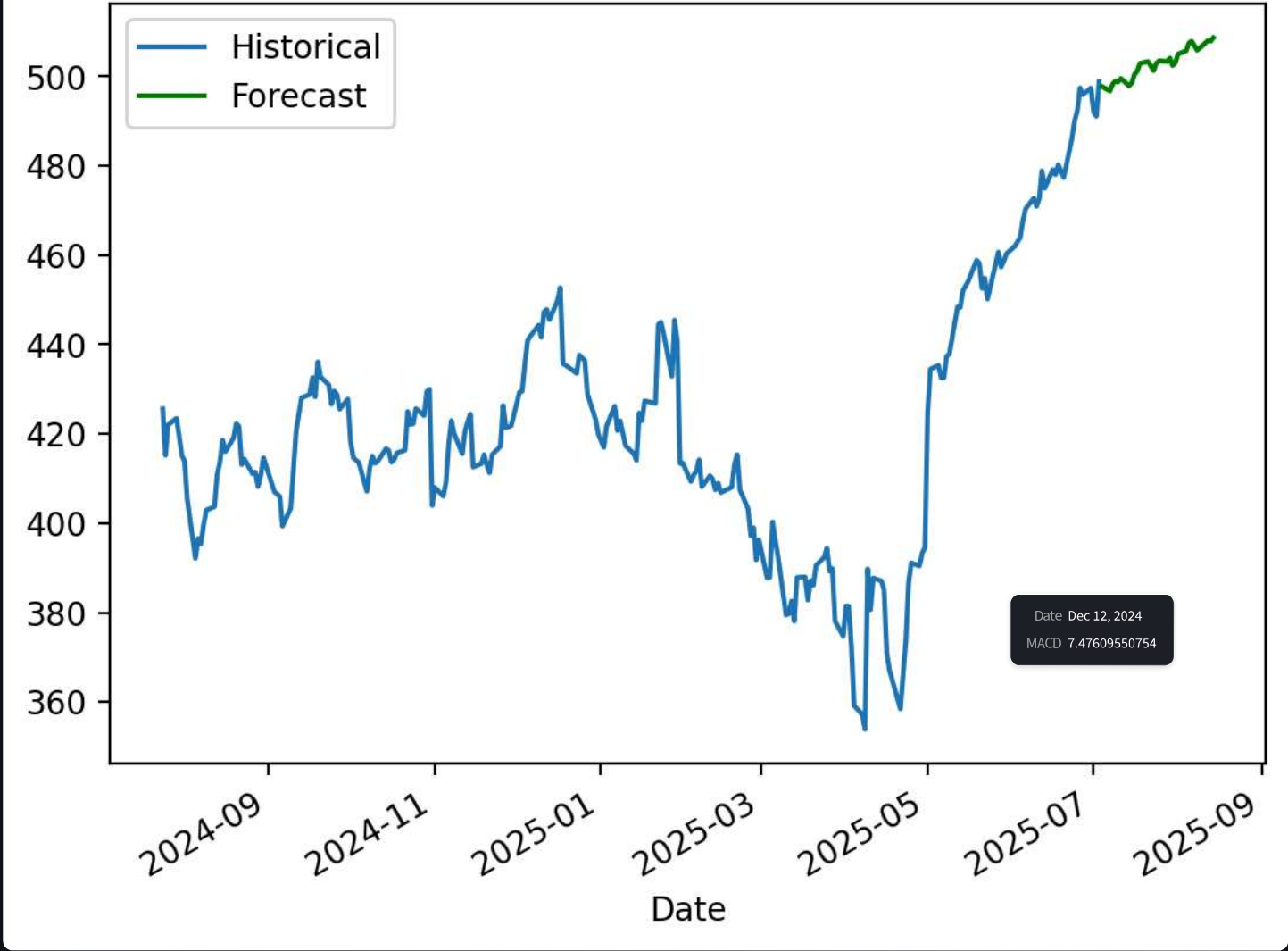
META Forecast

META - SARIMA Forecast

Legend:
- Historical
- Forecast

Tooltip: Date Dec 12, 2024 · MACD 7.47609550754

X-axis: Date
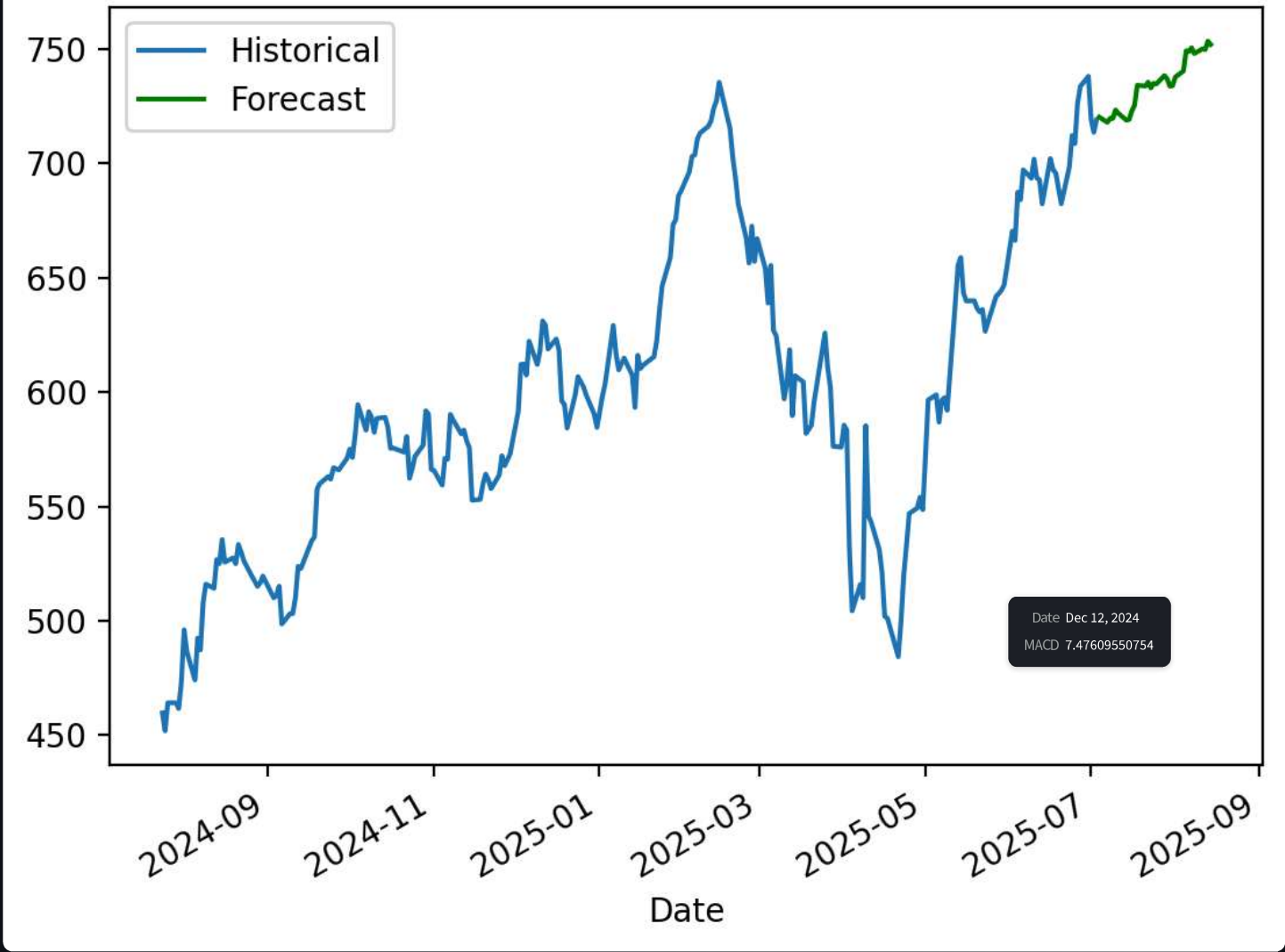
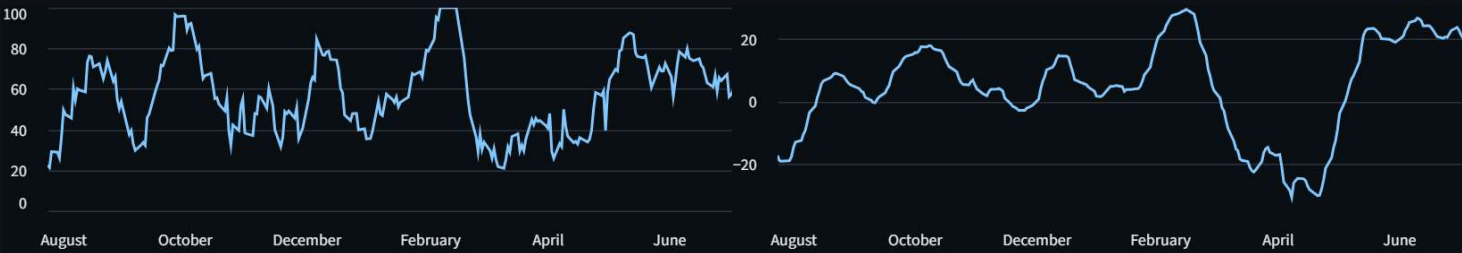## Technical Indicators (RSI & MACD)

AAPL

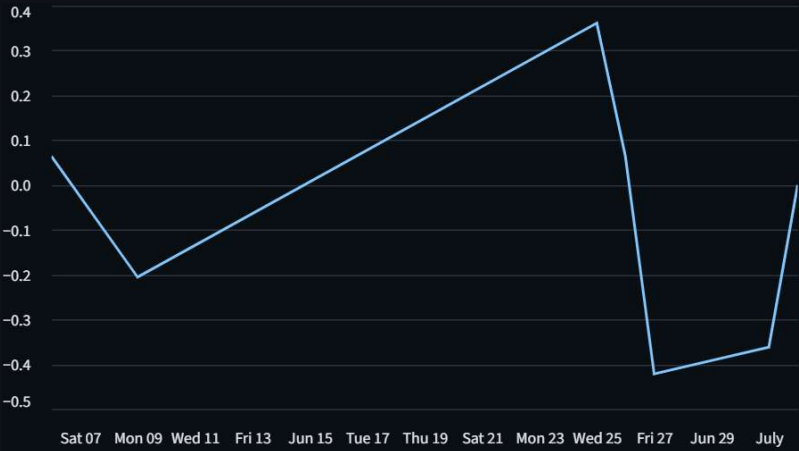### MSFT

META

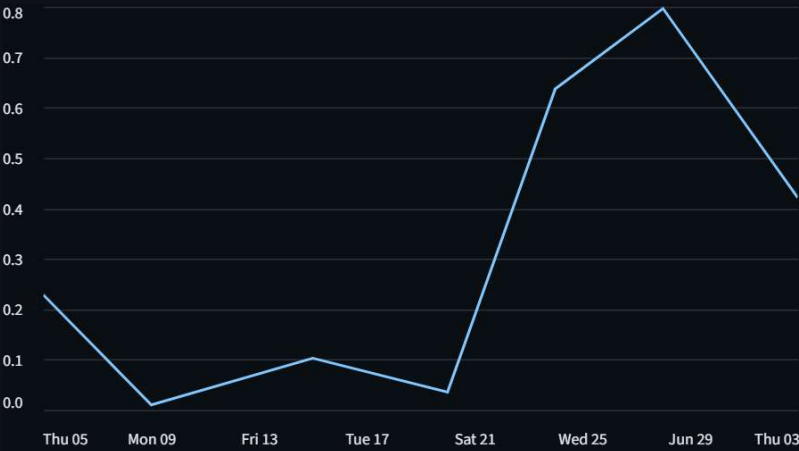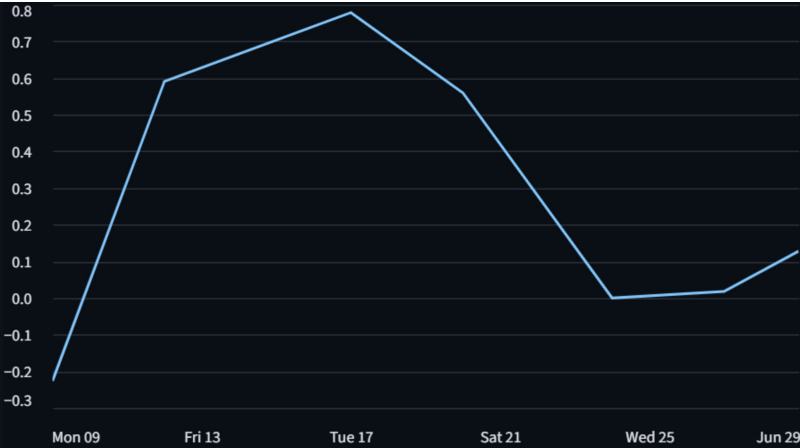
Sentiment Over Time

AAPL

Date Dec 12, 2024
MACD 7.47609550754

MSFT

META

Investment Summary

AI-Generated Investment Advice

Stock Investment Summary for Low-Risk, Short-Term Investor

AAPL (Apple Inc.)

1. **Performance Insights:** AAPL shows a 0.00% return with a volatility of 0.32, resulting in a negative Sharpe ratio of -0.01. The [...] edicts a negative expected return of -0.02.
2. **Sentiment Interpretation:** The overall sentiment is slightly negative (-0.07), with mixed news. While listed among AI stocks making waves and seeing an upgrade from Jefferies, a "Sell" rating from MoffettNathanson and concerns around Q3 iPhone sales create uncertainty.
3. **RSI & MACD Explanation:** An RSI of 74.80 indicates the stock is overbought, increasing the risk of a short-term price correction. A positive MACD of 1.77 suggests upward momentum, but the high RSI warrants caution.
4. **Short-Term Recommendation:** Given the overbought condition and negative sentiment, holding or potentially reducing exposure in the short term is advised. The "Sell" rating and negative expected return further support this.
5. **Long-Term Recommendation:** Apple's involvement in AI and its generally strong brand presence may offer long-term potential. However, further analysis and monitoring of market trends are crucial before making long-term commitments.

MSFT (Microsoft Corporation)

Date Dec 12, 2024
MACD 7.47609550754

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dfm: True

full_summary: 4363

dfs: ['AAPL', 'MSFT', 'META']

forecast_dict: ['AAPL', 'MSFT', 'META']

sentiments: ['AAPL', 'MSFT', 'META']

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