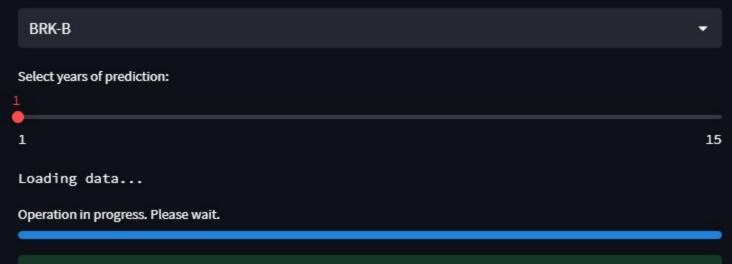# Stock Prediction Service v.0.1(Work in progress)

Correlation between money supply measures (M1,M2,M3) and stock market trends behavior.

This is a personal project that tries to find a correlation between the three main money supply indicators namely M1, M2 and M3 published by The Federal Reserve.

Berkshire Hathaway Inc. (BRK-B)","S&P 500 (^GSPC)", "NASDAQ Composite (^IXIC)", "Russell 2000 (^RUT)

Federal Reserve Data Source : https://www.federalreserve.gov/releases/h6/current/default.htm

Select stock for prediction

BRK-B ▼

Select years of prediction:

1

1   15

Loading data...

Operation in progress. Please wait.

Data loaded successfully!

Historical Data:

	Date	Open	High	Low	Close	Adj Close	Volume
4,592	2023-03-31 00:00:00	305.9	308.81	304.99	308.77	308.77	5,020,200
4,593	2023-04-03 00:00:00	309.25	311.5	308.24	310.31	310.31	4,862,300
4,594	2023-04-04 00:00:00	310.76	311	307.07	309.07	309.07	2,740,300
4,595	2023-04-05 00:00:00	307.85	311.07	307.85	310.39	310.39	2,314,500
4,596	2023-04-06 00:00:00	309.82	313.22	309.05	312.51	312.51	3,131,400

Time Series data with Rangeslider

Forecast data

	ds	trend	yhat_lower	yhat_upper	trend_lower	trend_upper	additive_terms
4,957	2024-04-01 00:00:00	360.6446	342.6305	381.7656	349.2616	372.704	1.3854
4,958	2024-04-02 00:00:00	360.742	342.5746	382.9494	349.3347	372.8676	1.5108
4,959	2024-04-03 00:00:00	360.8395	343.6585	381.7569	349.4078	373.0312	1.5352
4,960	2024-04-04 00:00:00	360.9369	343.2414	382.6109	349.481	373.1947	1.5586
4,961	2024-04-05 00:00:00	361.0344	343.2356	382.3244	349.5541	373.3606	1.8656

Forecast plot for 1 years

Forecast components