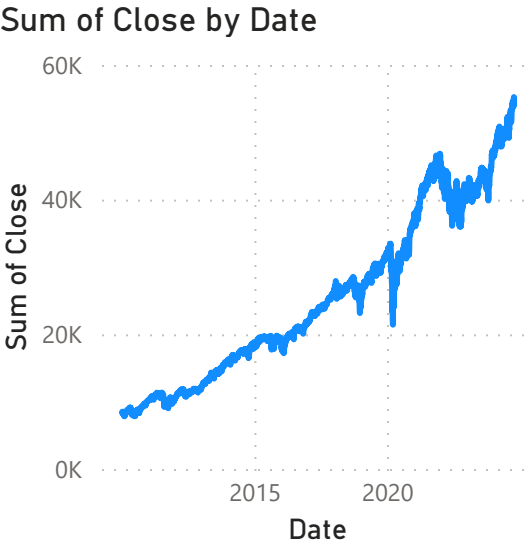# S&P 500 Stock Performance Dashboard: Insights, Trends, and Forecasting
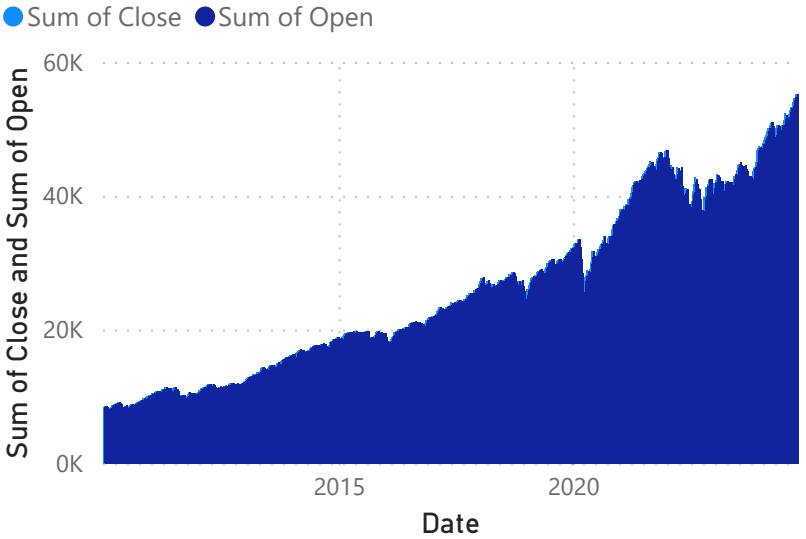
This Power BI dashboard provides a comprehensive analysis of S&P 500 companies, allowing users to track stock price movements over time, compare sector performance, and analyze individual company financial metrics such as market capitalization and revenue growth. The dashboard integrates historical stock data with company fundamentals, enabling users to filter by company, sector, and date to gain insights into market trends. Additionally, it includes basic forecasting tools, such as moving averages and linear trend analysis, to predict future stock price movements based on historical data. This interactive tool could potentially help investors and analysts make informed decisions by providing a clear view of stock market dynamics and company performance.

Symbol

automatic dimensional measurement and data capture solutions

A

AAPL

ABBV

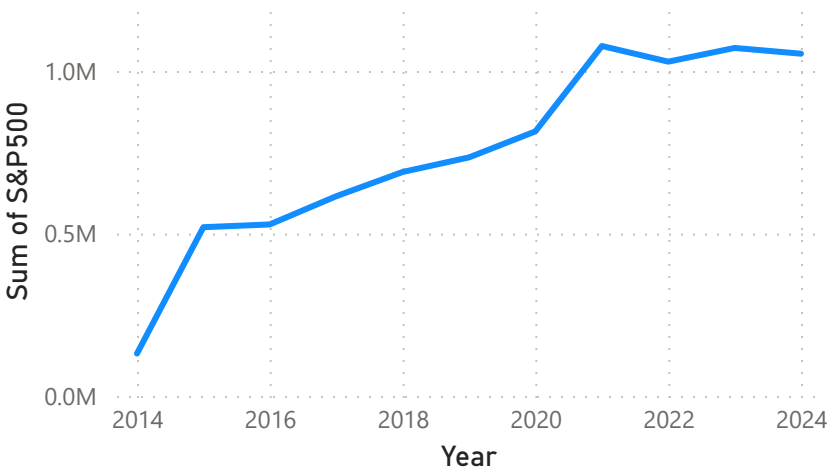ABNB

ABT

ACGL

ACN

ADBE

ADI

ADM

Sum of Close by Date

Sum of Close and Sum of Open by Date

● Sum of Close ● Sum of Open

Sum of S&P500 by Year

industrial software

First Longname

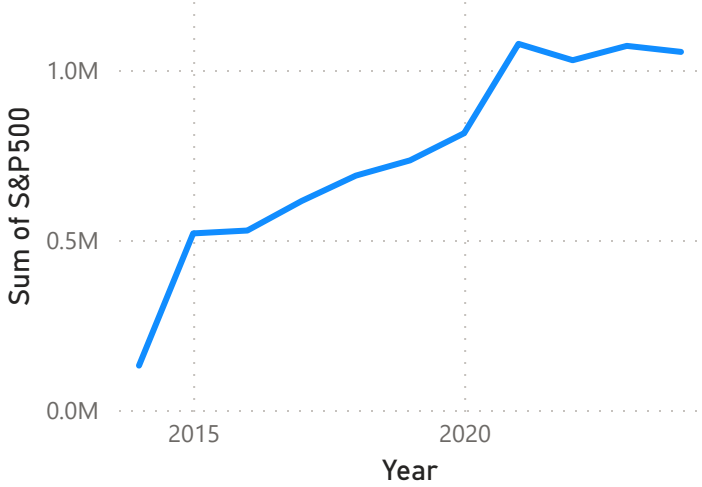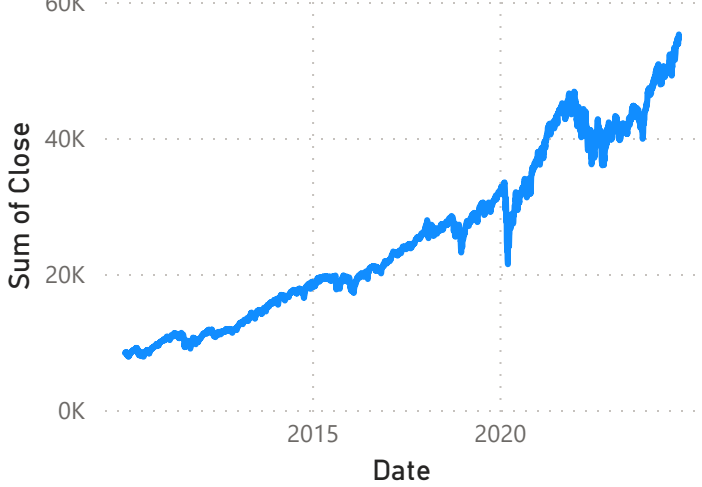# camera-based i...

First Marketcap

Sum of S&P500 by Year

Sum of Close by Date

Select company to display

Symbol

automatic
dimensional
measurement
and data
capture
solutions

A

AAPL

Visuals show the S&P 500 index trend over time (from the index dataset) and compared against specific company stock trends from the stocks dataset.
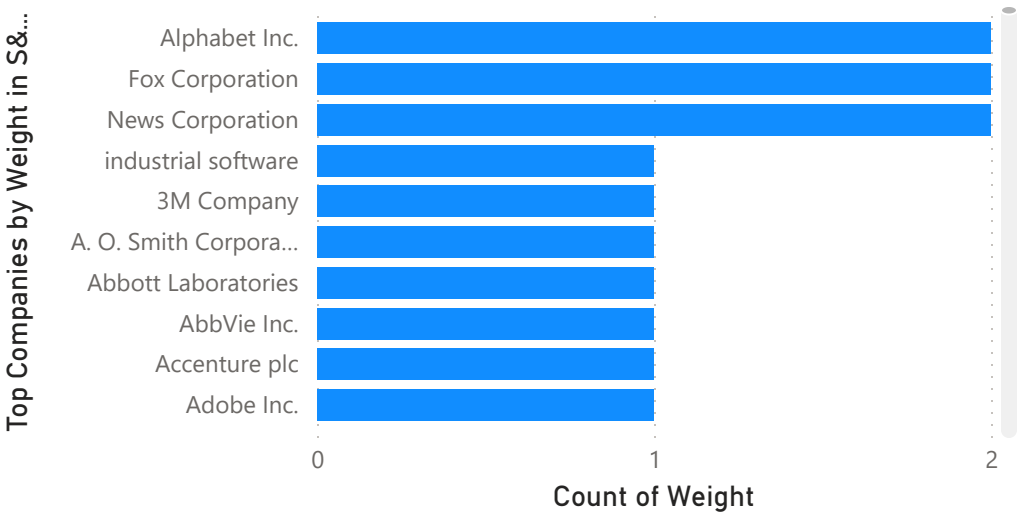
Company Financials and Stock Performance

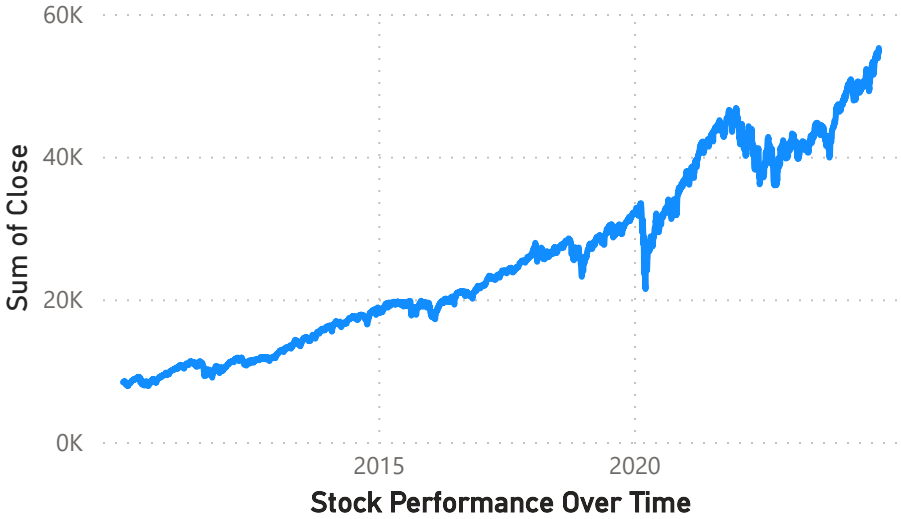| Longname	Marketcap	Revenuegrowth	
industrial software	camera-based imaging equipment	and product inspection sys software solutions	Click company name to view stock closing price
HCA Healthcare, Inc.	1.03555E+11	0.103	
Gilead Sciences, Inc.	1.06845E+11	0.054	
Bristol-Myers Squibb Company	1.06966E+11	0.087	
American Tower Corporation	1.07163E+11	0.046	Sum of Close
Starbucks Corporation	1.07699E+11	-0.006	
Deere & Company	1.09984E+11	-0.168	95,011,341.89
Marsh & McLennan Companies, Inc.	1.11166E+11	0.059	
Fiserv, Inc.	1.11702E+11	0.074	
Regeneron Pharmaceuticals, Inc.	1.12057E+11	0.123	
Analog Devices, Inc.	1.12143E+11	0.248	

- Loaded the datasets and established relationships.
- Created a table showing company financial metrics like market cap, revenue growth, and stock closing price.
- Displayed the top companies by weight in the S&P 500.
- Created a line chart showing the stock performance over time for selected companies.
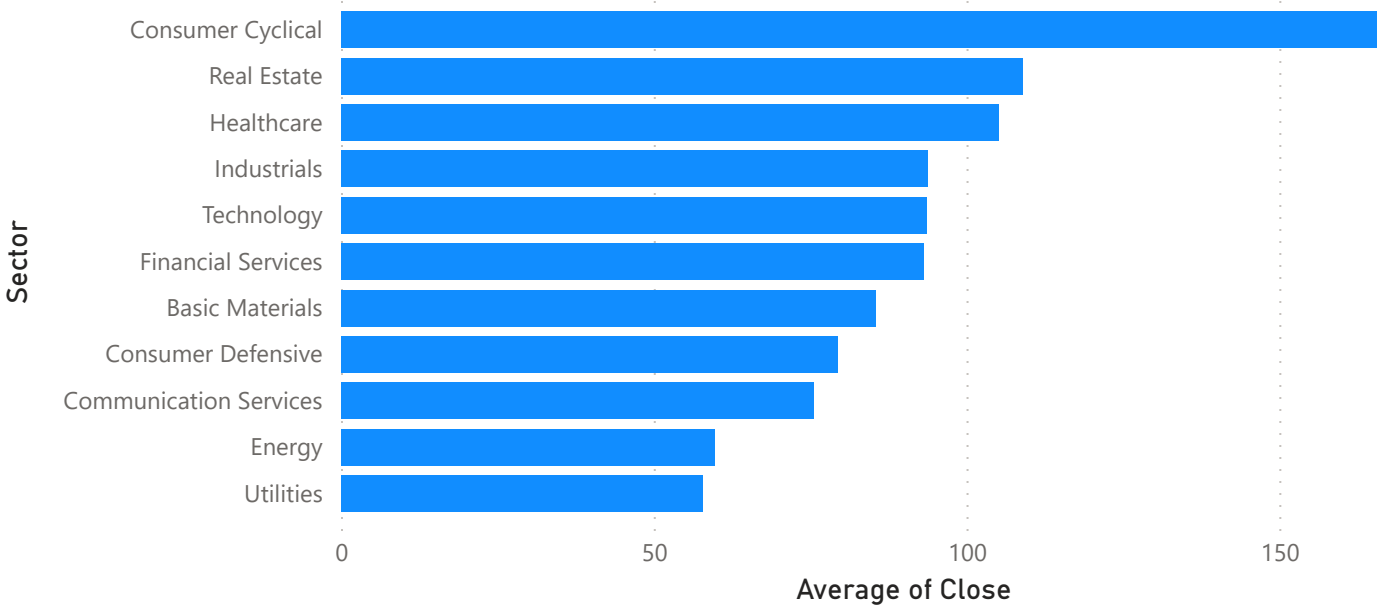- Added slicers to filter by company, sector, and date.
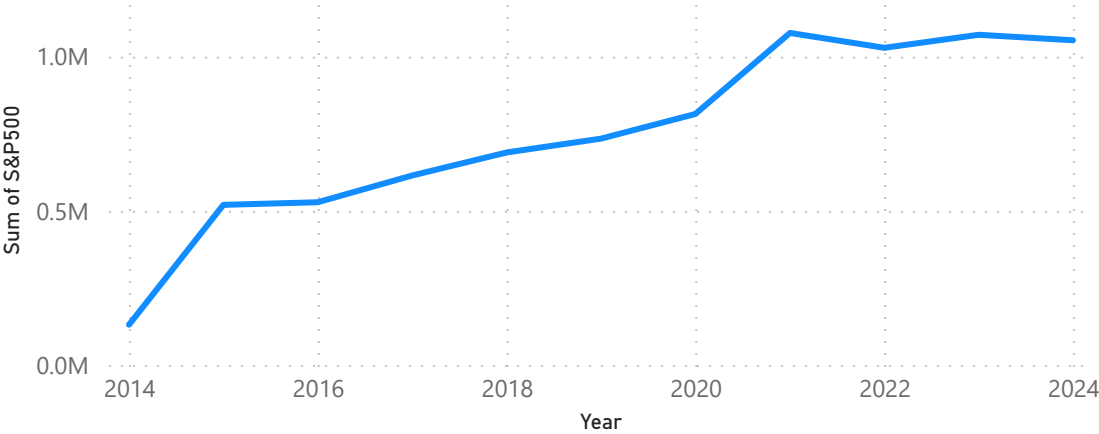
Count of Weight by Longname

Sum of Close by Date

Average Stock Prices by Sector

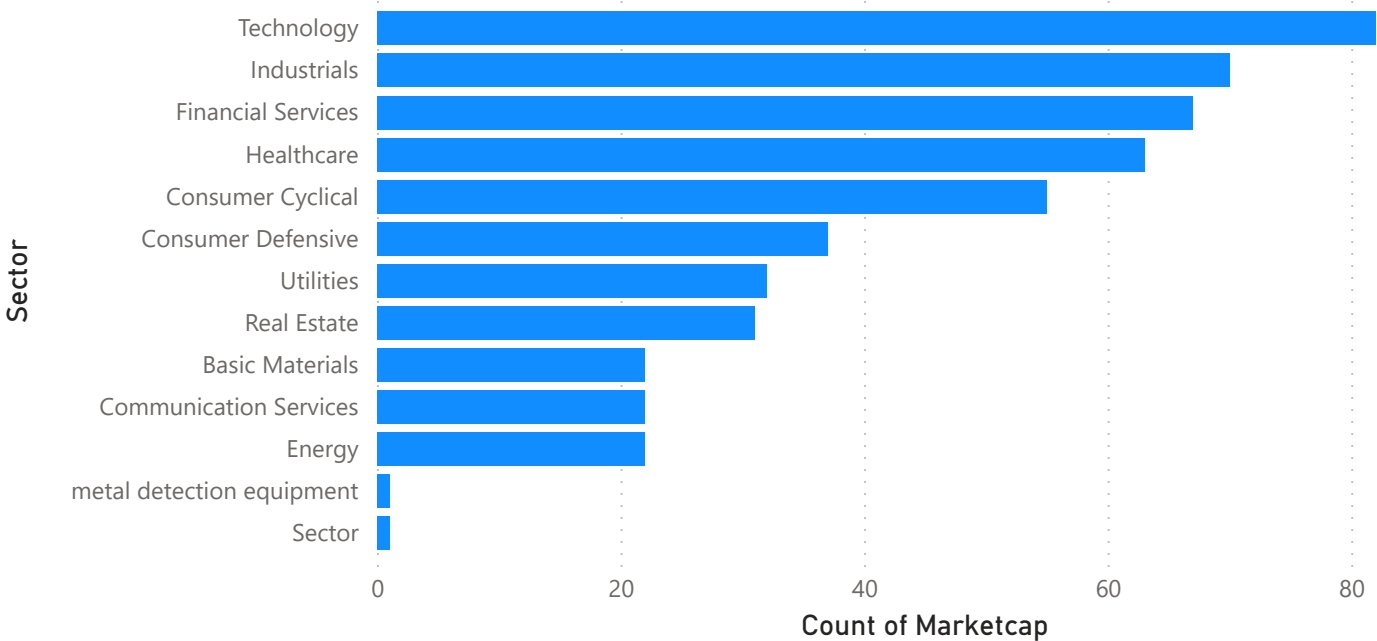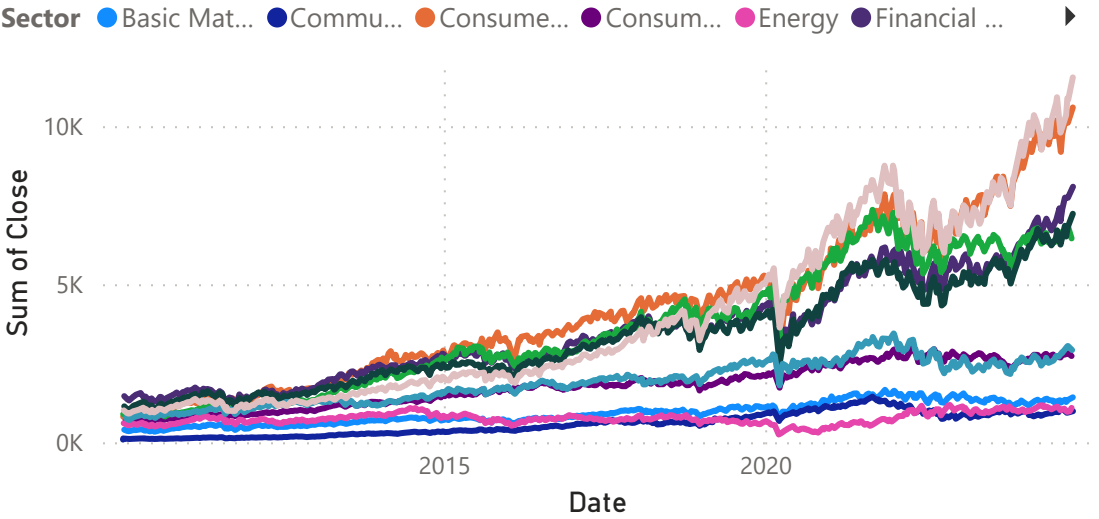## Total Market Capitalization by Sector

Sum of S&P500 by Year

Sector-wise insights from the companies dataset, showing average stock prices, total market capitalization, and industry trends. Including comparisons of how different sectors perform against the S&P 500 index over time.

Sum of Close by Date and Sector

Sector ● Basic Mat... ● Commu... ● Consume... ● Consum... ● Energy ● Financial ... ▶
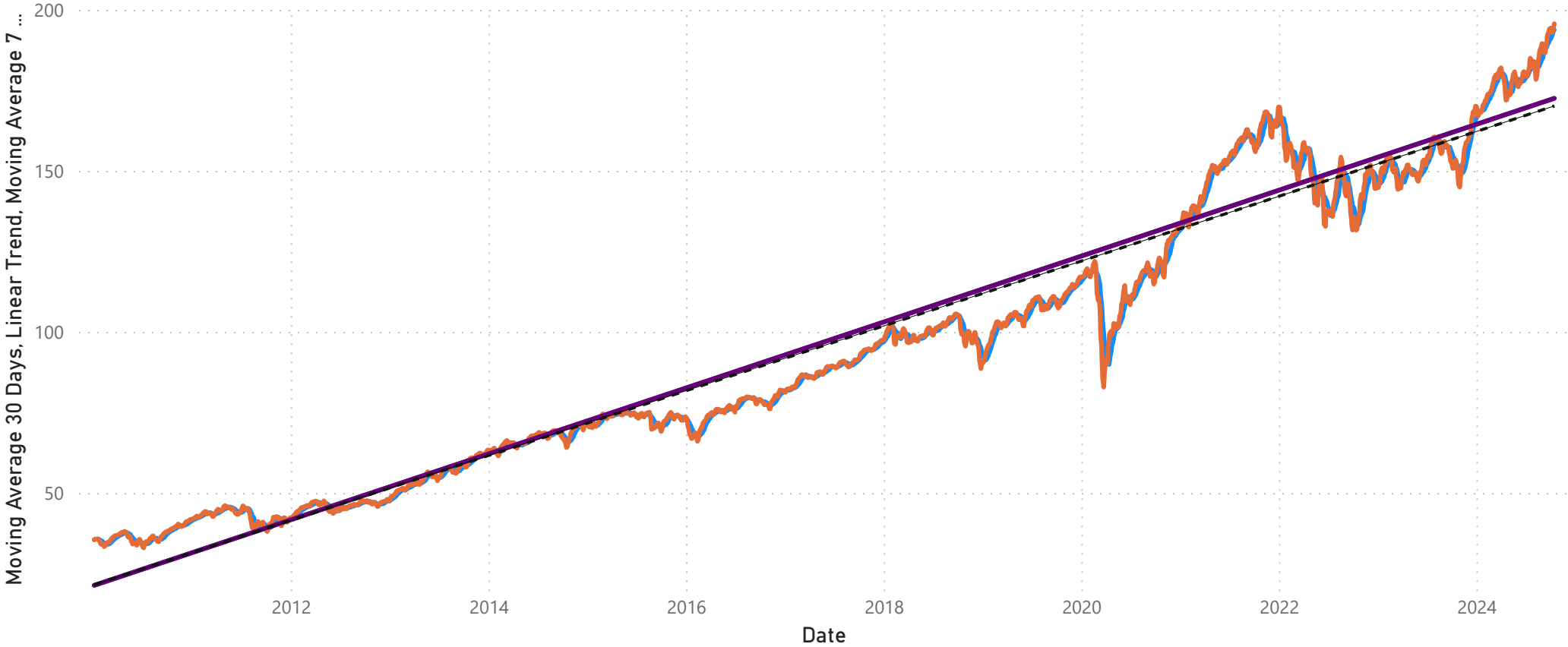
Moving Average 30 Days, Linear Trend, Moving Average 7 Days and Linear Forecast by Date

● Moving Average 30 Days ● Linear Trend ● Moving Average 7 Days ● Linear Forecast

Symbol

automatic dimensional
measurement and data capture
solutions

A

AAPL

ABBV

ABNB

ABT