

COELHO Finance

RAFAEL COELHO

COELHO Finance

THIS PROJECT WAS BUILT WITH THE FOLLOWING TOOLS:



STREAMLIT



PANDAS



NUMPY



PLOTLY



STATSMODELS



PYTHON

Yahoo Finance | Yahoo Query | Investpy | CvxPy | Anomaly Detection Tool Kit (ADTK) | Streamfy | Quantstats | ARCH | SKtime

COELHO Finance is a Financial Market tool that you can use to get and analyze assets data from many countries.

This tool has the following features:

UNIMARKET: Dive deep into individual stocks and indexes from over 40 countries. With detailed financial statements, price charts, and business indicators, uncover undervalued stocks ripe for growth.

UNISTATS: Harness the power of statistical models. From outlier detections and forecast models to volatility analyses, COELHO Finance equips you with the tools to navigate the complexities of the market.

MULTIMARKET: Compare and contrast stocks with ease. Understand market trends and make informed decisions on buying and selling, backed by data-driven insights.

Join us in redefining investment analysis. Explore the potential of data in driving your investment success with COELHO Finance!

COELHO Finance

Author: Rafael Silva Coelho

UNIMARKET

UNISTATS

MULTIMARKET

About Us



COELHO Finance

A new powerful tool to help you make informed investment decisions, track your investments and identify opportunities.

UNIMARKET

Analyze individual stocks

COELHO Finance provides comprehensive analysis of individual stocks and indexes from 40+ countries, including financial statements, price charts, analyst ratings and several business indicators about each stock price. This information can help you identify undervalued stocks with the potential for growth.

UNISTATS

Get statistical informations

COELHO Finance brings to you statistical models as outlier detections, moving averages, forecast models, anomaly detection, volatility models and Monte Carlo simulations.

This tool provides information for general purposes and should not be taken as investment advice. It doesn't account for individual financial circumstances or goals.

Users should make investment decisions based on their own financial needs and risk tolerance, and consult with a professional advisor. Past performance of securities or strategies doesn't guarantee future results. The tool's creators are not responsible for any financial decisions or losses resulting from its use.

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Filters

Asset type

Stocks

Market

AMERICA

Select market

Stock (AMERICA)

AAPL - Apple Inc. (apple)

Period

1 year

Interval

1 day

Search

AAPL - Apple Inc. (apple)

UNIMARKET INDICATORS NEWS FINANCIAL TECHNICAL INSIGHTS

UNIMARKET - Stocks



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AAPL - Apple Inc. (apple)

UNIMARKET

INDICATORS

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TECHNICAL INSIGHTS

Recommendations

Recommendations (Score)

Symbol: AMZN	Symbol: TSLA	Symbol: GOOG	Symbol: META	Symbol: MSFT
0.320581	0.300875	0.284221	0.271916	0.219623

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AAPL - Apple Inc. (apple)

UNIMARKET INDICATORS NEWS **FINANCIAL** TECHNICAL INSIGHTS

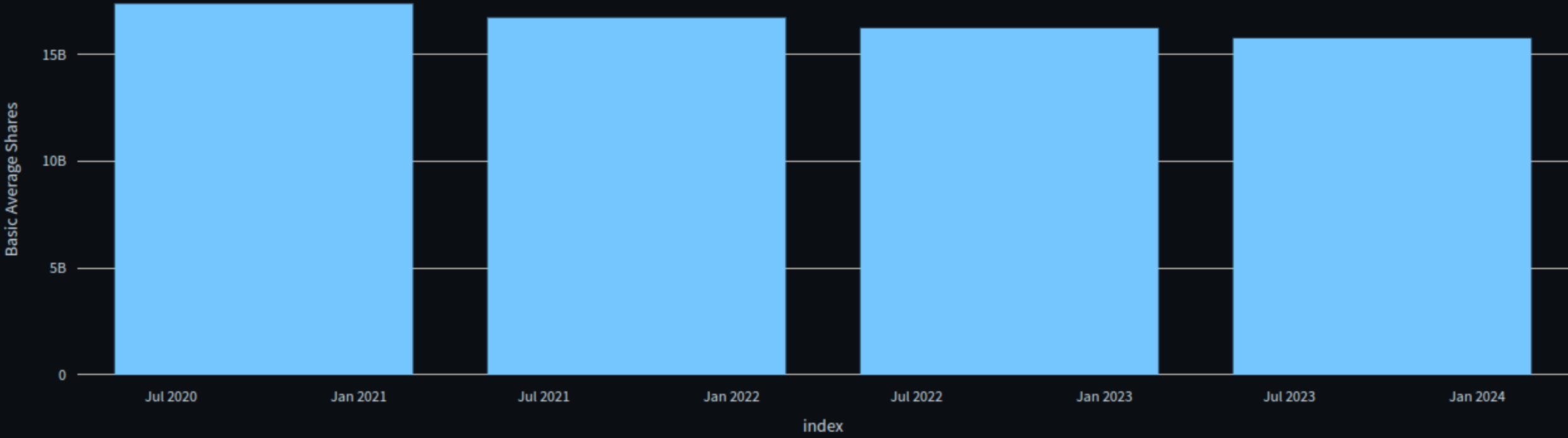
Financials Income Statement Balance Sheet Cash Flow Holders Earnings Valuation Measures Shares Full Dividends & Splits Trend Opt

Financials Quarterly Financials Financial Data

Financials

Feature

Basic Average Shares





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AAPL - Apple Inc. (apple)

UNIMARKETINDICATORSNEWSFINANCIALTECHNICAL INSIGHTS

Instrument InfoCompany SnapshotRecommendationUpsellUpsell SearchEventsReportsSEC Reports

Instrument Info

Technical Events

Provider:

Trading Central

Sector:

Technology

Key Technicals

Provider:

Trading Central

Support:

173.57

Resistance:

226.34

Stop loss:

208.769644

Valuation

Color:

0.0

Description:

Overvalued

Discount:

-5%

Relative value:

Premium

Provider:

Trading Central

Short Term Outlook

State description:

Recent bearish events outweigh bullish events.

Direction:

Bearish

Score:

4

Score description:

Very Strong Bearish Evidence

Sector direction:

Bearish

Sector score:

4

Sector score description:

Very Strong Bearish Evidence

Index direction:

Bearish

Index score:

4

Index score description:

Very Strong Bearish Evidence

Intermediate Term Outlook

State description:

Bullish events outweigh bearish events.

Direction:

Bullish

Score:

2

Score description:

Bullish Evidence

Sector direction:

Bullish

Sector score:

1

Sector score description:

Weak Bullish Evidence

Index direction:

Bearish

Index score:

3

Index score description:

Strong Bearish Evidence

Long Term Outlook

State description:

All events are bullish.

Direction:

Bullish

Score:

2

Score description:

Bullish Evidence

Sector direction:

Neutral

Sector score:

0

Sector score description:

No Evidence

Index direction:

Bullish

Index score:

1

Index score description:

Weak Bullish Evidence

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UNISTATS INDICATORS FORECAST ANOMALY DETECTION VOLATILITY SIMULATIONS

UNISTATS - Stocks

OHLC filters ☒ OHLC ☐ Open ☐ High ☐ Low ☐ Close ☐ Volume ☐ Adj Close

Moving Average filters Moving Average window ☒ SMA ☒ EMA

5 - +

AAPL - Apple Inc. (apple)



Volume



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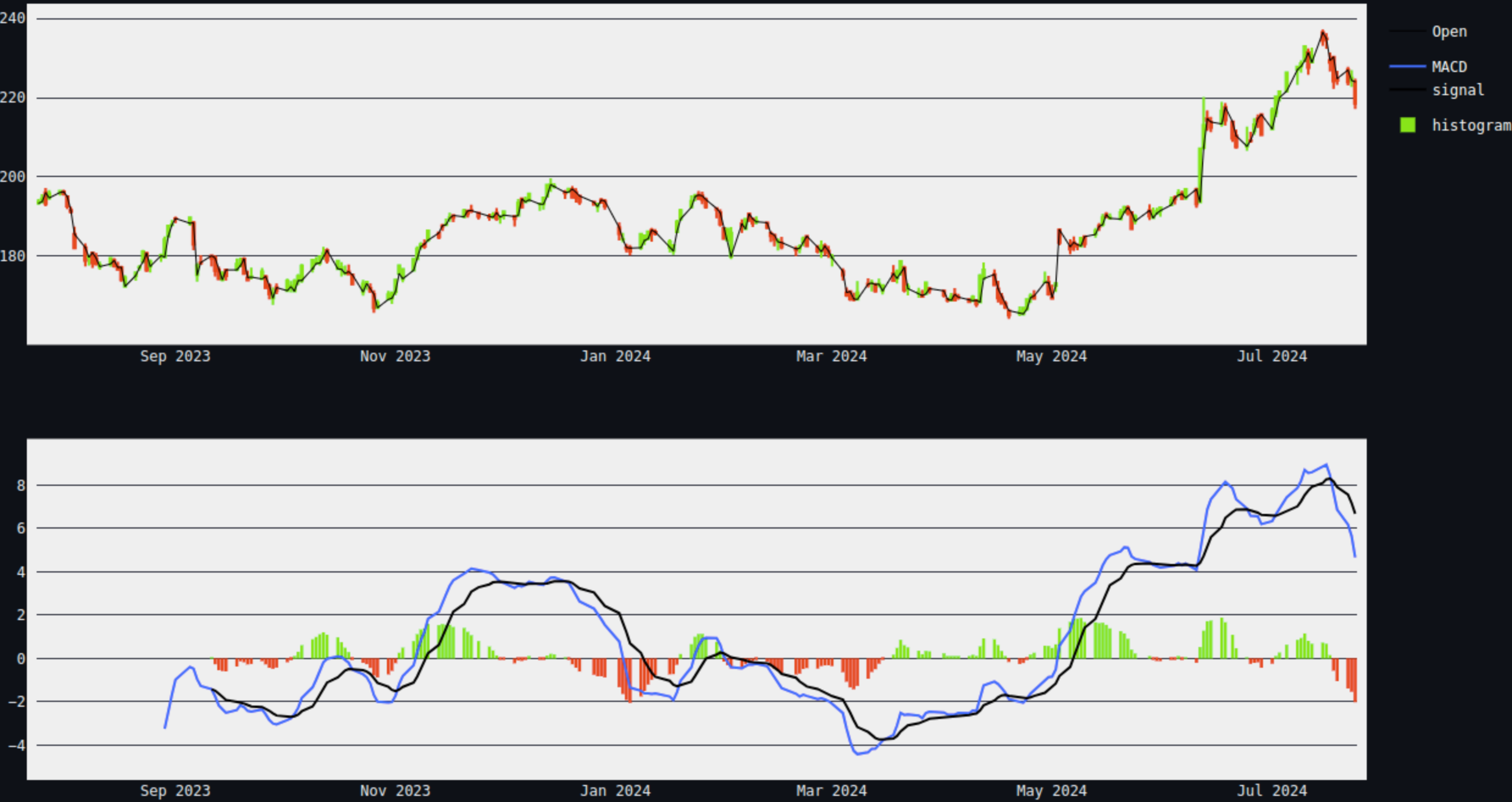
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AAPL - Apple Inc. (apple)

UNISTATS INDICATORS FORECAST ANOMALY DETECTION VOLATILITY SIMULATIONS

Outliers RSI MACD

MACD - Moving Average Convergence/Divergence





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UNISTATS INDICATORS FORECAST ANOMALY DETECTION VOLATILITY **SIMULATIONS**

Monte Carlo Simulations

Feature

Adj Close

Interval

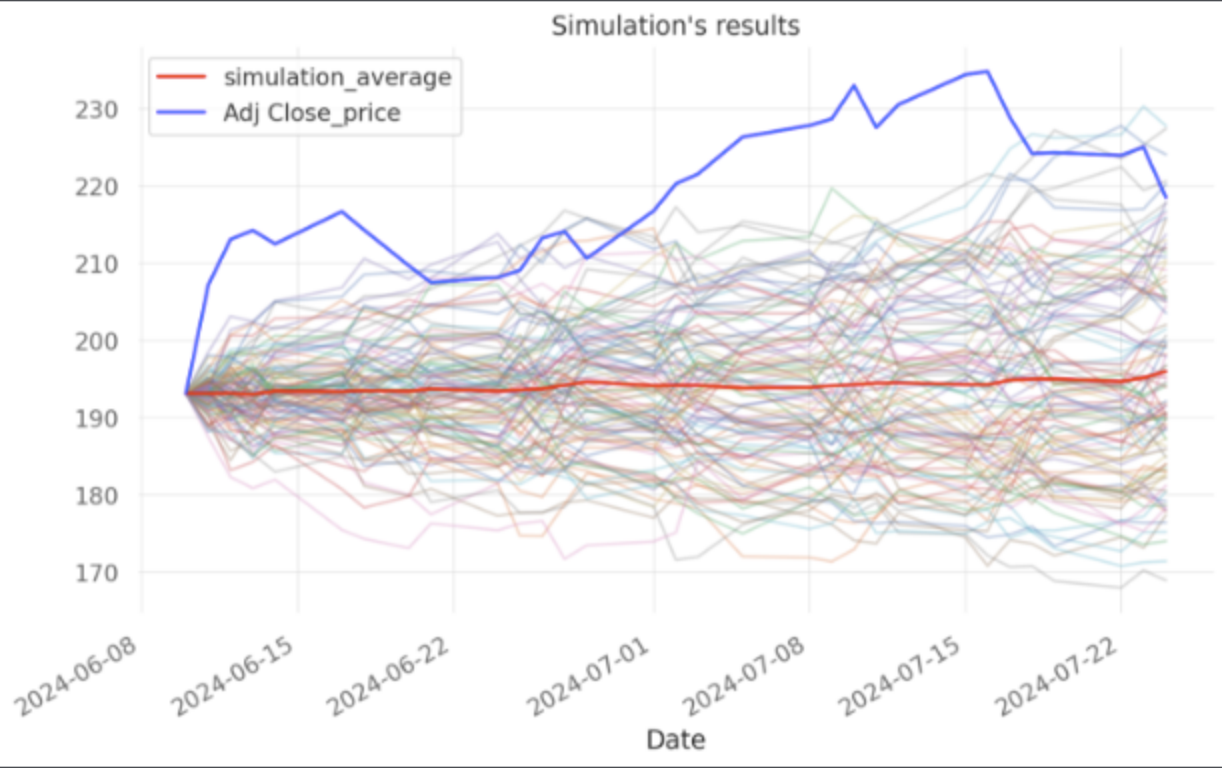
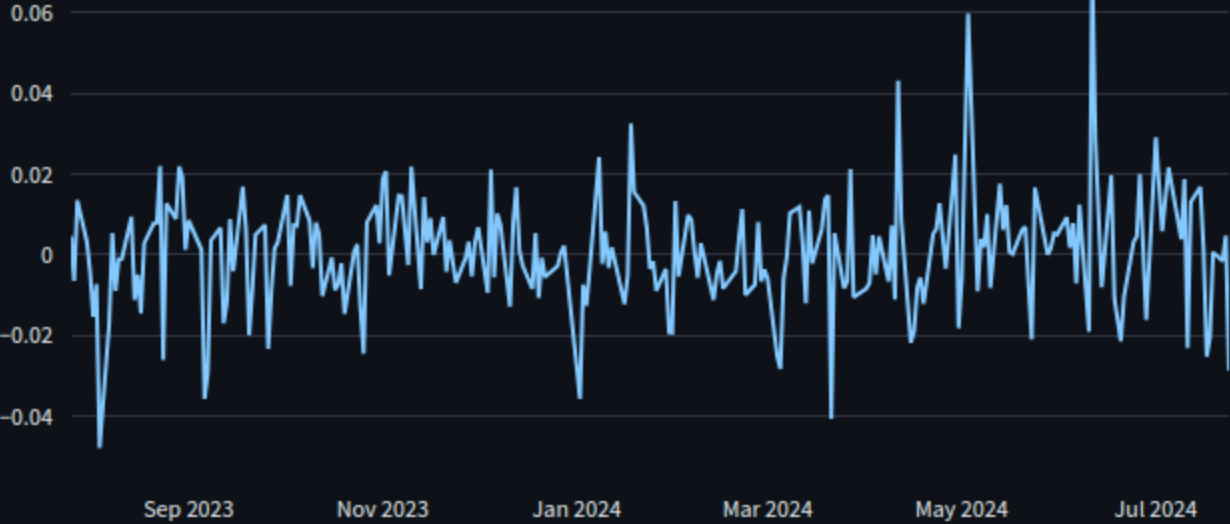
30 days

Number of simulated paths

100

10000

Returns



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AAPL - Apple Inc.... x

GOOGL - Alphab... x

IBM - Internation... x

MSFT - Microsoft... x

Feature

Close

Period

1 year

Interval

1 day

Search

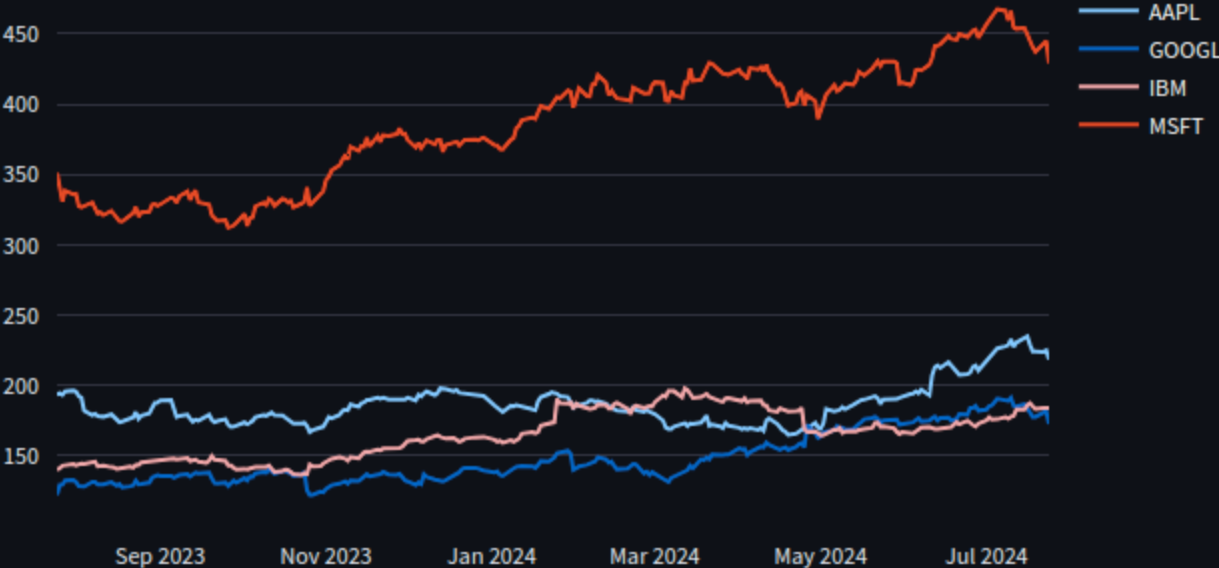
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VOLATILITY

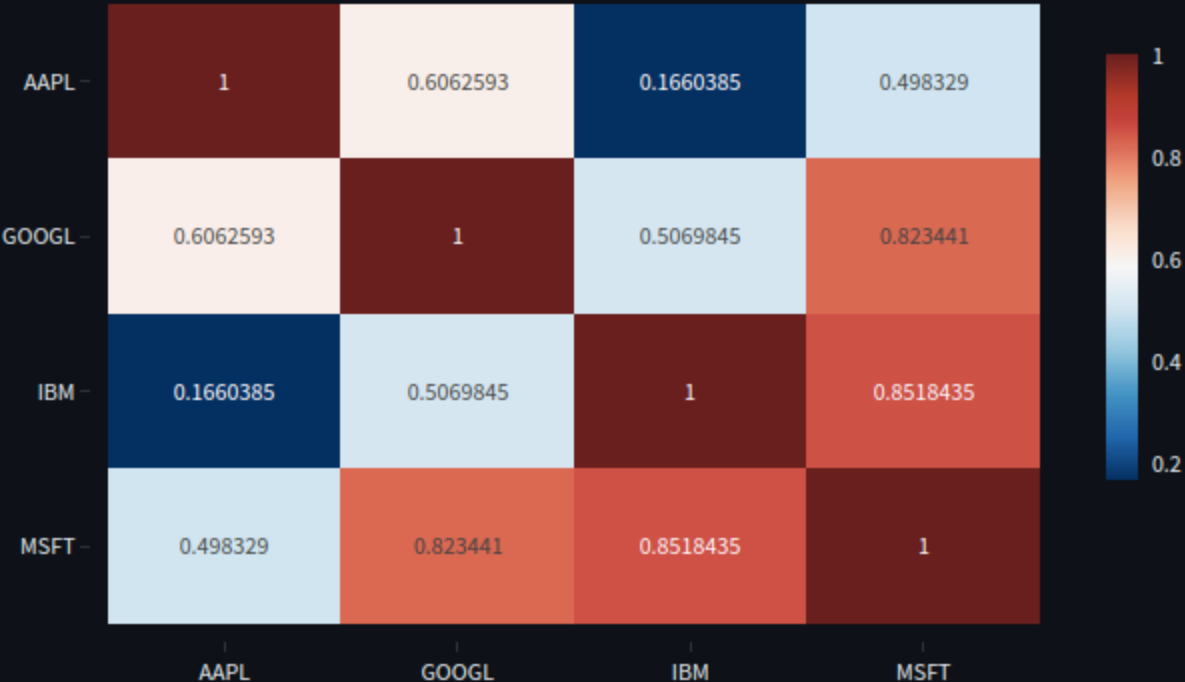
ASSET ALLOCATION

NEWS

Comparison Chart



Correlation matrix (Close)



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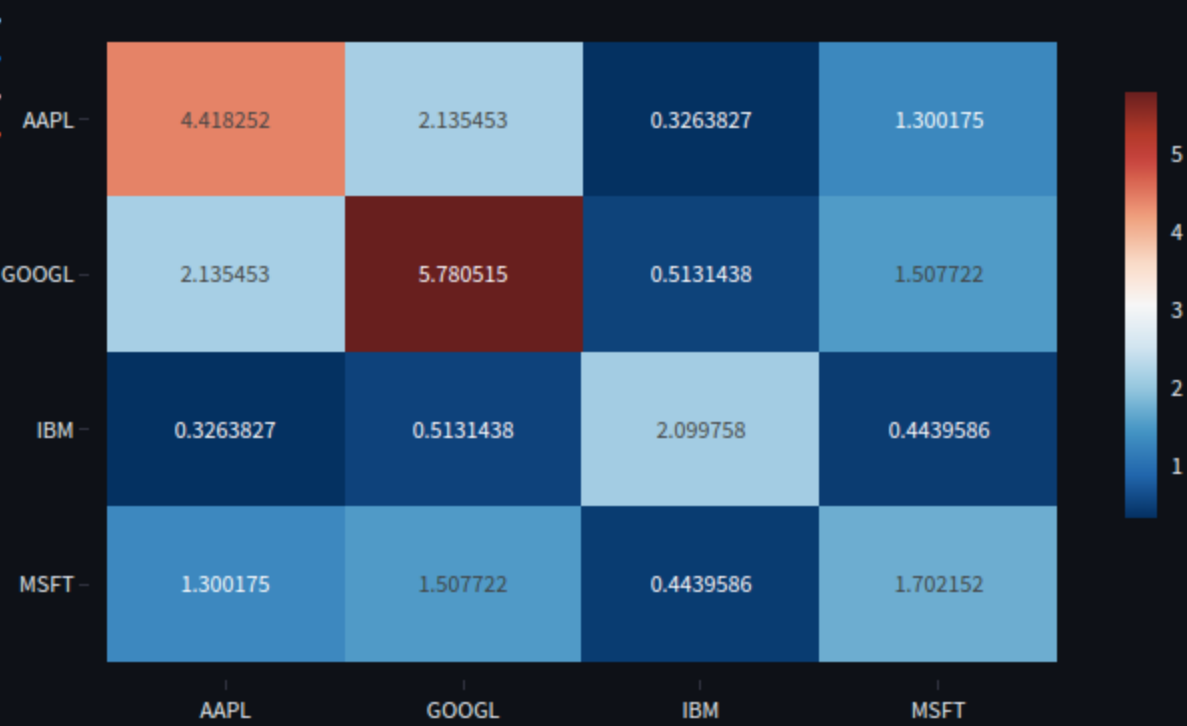
MULTIMARKET VOLATILITY ASSET ALLOCATION NEWS

Multivariate Volatility Forecast

RETURNS



Conditional Correlation Matrix



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Select market

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AAPL - Apple Inc.... x

GOOGL - Alphab... x

IBM - Internation... x

MSFT - Microsoft... x

Feature

Close

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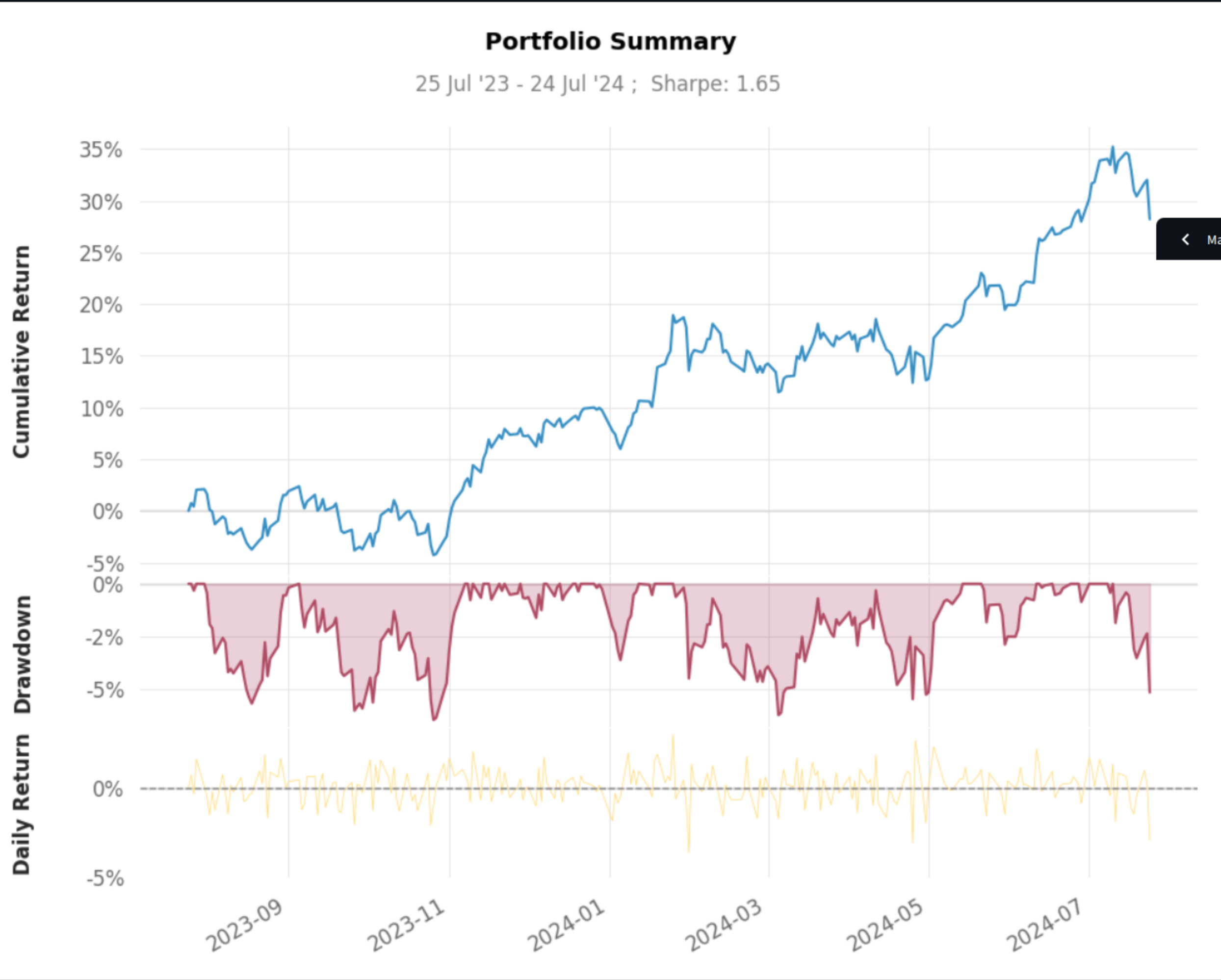
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Equally-weighted Portfolio Efficient Frontier Efficient Frontier & Risk Aversion

Equally-weighted Portfolio

Get Full Report

1/n Portfolio's Performance



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AAPL - Apple Inc.... x

GOOGL - Alphab... x

IBM - Internation... x

MSFT - Microsoft... x

Feature

Close

Period

1 year

Interval

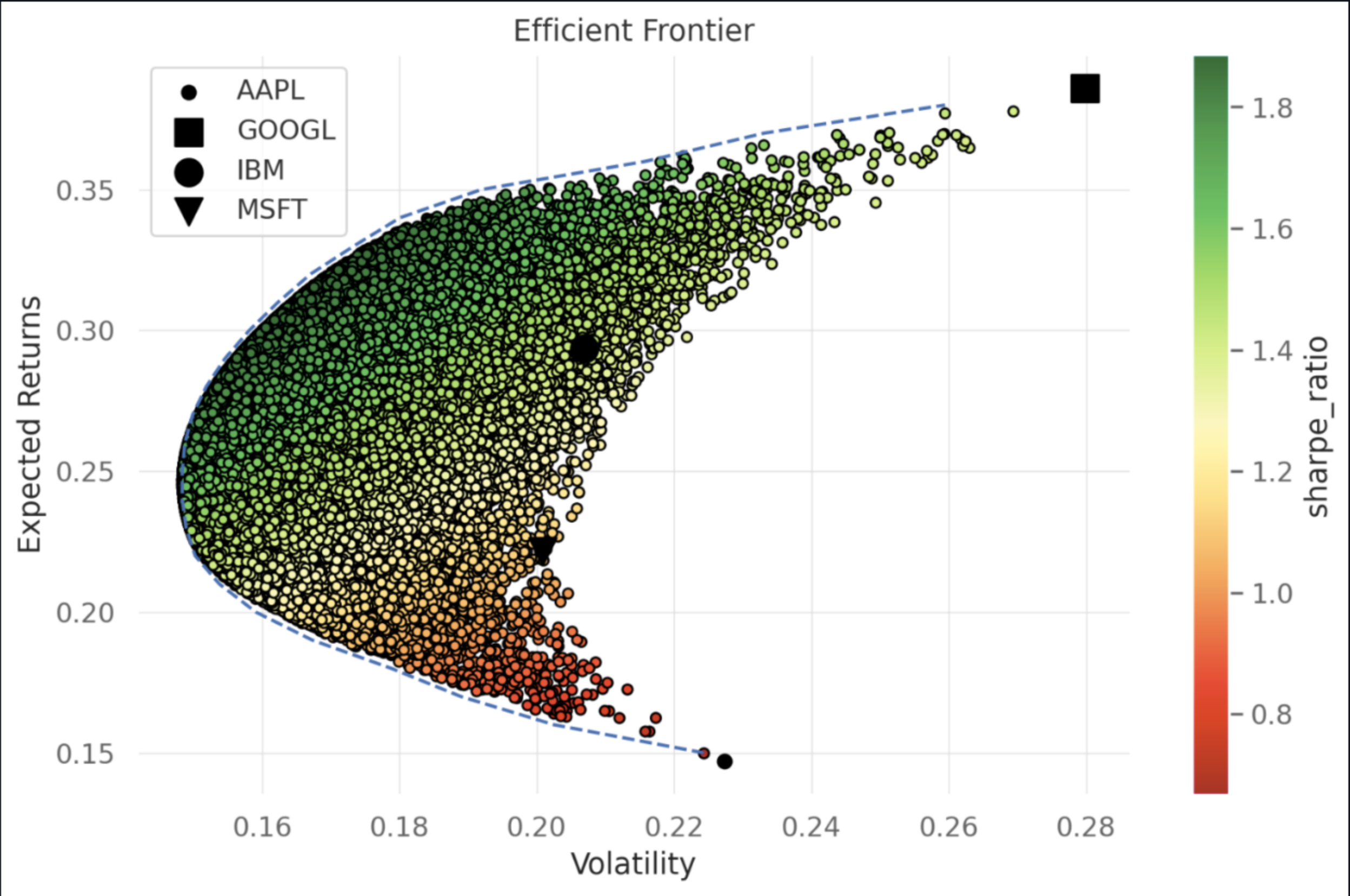
1 day

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Equally-weighted Portfolio Efficient Frontier Efficient Frontier & Risk Aversion

Efficient Frontier (Monte Carlo Simulation)



Let's work together!



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