



# Financial Dashboard: Yahoo Finance

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INDIVIDUAL PROJECT

FINANCIAL PROGRAMMING



# Financial Dashboard

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Python

Streamlit

Yahoo Finance

Information  
and charts

Monte Carlo  
Simulations  
VaR

# Main Tabs

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## Summary

- Company's main summary
- Chart for close price and volume

## Chart

- More detail on stock price

## Statistics

- Financial, trading and valuation measures.

## Financials

- Income Statement, Balance Sheet and Cash Flow

## Analysis

- Estimates on earnings, revenue, EPS and growth

## Monte Carlo Simulation

- Value at Risk estimate
- Charts on simulations

Select a ticker

AAPL ▼

Update Info

Select tab

- ☒ Summary
- ☐ Chart
- ☐ Statistics
- ☐ Financials
- ☐ Analysis
- ☐ Monte Carlo Simulation

# Summary

This tab allows you to view the stock price and trade volume history by day.

It also gives the possibility to view by different periods of time.

It presents a table with the summary of the selected company.

## Apple Inc. Summary

Period

- ☐ 1M
- ☐ 3M
- ☐ 6M
- ☒ YTD
- ☐ 1Y
- ☐ 5Y
- ☐ Max

Adjusted close price and volume for Apple Inc.



	Value
1y Target Est	168.45
52 Week Range	112.59 - 157.26
Ask	149.73 x 1000
Avg. Volume	75469666.0
Beta (5Y Monthly)	1.21
Bid	149.70 x 2900
Day's Range	147.48 - 150.40
EPS (TTM)	5.61
Earnings Date	Jan 25, 2022 - Jan 31, 2022
Ex-Dividend Date	Nov 05, 2021
Forward Dividend & Yield	0.88 (0.59%)
Market Cap	2.461T
Open	148.43
PE Ratio (TTM)	26.74
Previous Close	147.87
Quote Price	149.99000549316406
Volume	63635596.0

# Chart

Lines Plot for Apple Inc.



Candle Plot for Apple Inc.



This tab has numerous options to modify the presenting chart:

**Period:** Select by defined period or by selected date range.

**Time Interval:** Select how you want to present the information (daily, monthly or yearly)

**Plot Type:** Change the type of chart between candle plot or line plot.

## Apple Inc. Chart

<b>Period</b> <input type="radio"/> 1M <input type="radio"/> 3M <input type="radio"/> 6M <input checked="" type="radio"/> YTD <input type="radio"/> 1Y <input type="radio"/> 5Y <input type="radio"/> Max	<b>Start</b> <div>2021/01/01</div> <b>End</b> <div>2021/11/13</div>	<b>Time Interval</b> <input checked="" type="radio"/> Day <input type="radio"/> Month <input type="radio"/> Year	<b>Plot Type</b> <input checked="" type="radio"/> Lines <input type="radio"/> Candle
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# Statistics

This tab contains more information on the company:

Valuation measures

Financial Highlights

Trading Information

Cashflow Statemet.

## Apple Inc. Statistics

### Valuation Measures

		Value
0	Market Cap (intraday) 5	2.46T
1	Enterprise Value 3	2.52T
2	Trailing P/E	26.74
3	Forward P/E 1	26.81
4	PEG Ratio (5 yr expected) 1	3.22
5	Price/Sales (ttm)	6.91
6	Price/Book (mrq)	39.00
7	Enterprise Value/Revenue 3	6.90
8	Enterprise Value/EBITDA 7	20.49

### Trading Information

	Value
Beta (5Y Monthly)	1.21
52-Week Change 3	24.68%
S&P500 52-Week Change 3	29.11%
52 Week High 3	157.26
52 Week Low 3	112.59
50-Day Moving Average 3	146.53
200-Day Moving Average 3	141.18

### Financial Highlights

#### Fiscal Year

	Value
Fiscal Year Ends	Sep 24, 2021
Most Recent Quarter (mrq)	Sep 24, 2021

#### Profitability

	Value
Profit Margin	25.88%
Operating Margin (ttm)	29.78%

#### Management Effectiveness

	Value
Return on Assets (ttm)	20.18%
Return on Equity (ttm)	147.44%

#### Income Statement

	Value
Revenue (ttm)	365.82B
Revenue Per Share (ttm)	21.90

#### Share Statistics

	Value
Avg Vol (3 month) 3	75.47M
Avg Vol (10 day) 3	57.74M
Shares Outstanding 5	16.41B
Implied Shares Outstanding 6	nan
Float 8	16.39B
% Held by Insiders 1	0.07%
% Held by Institutions 1	58.95%
Shares Short (Oct 28, 2021) 4	100.5M
Short Ratio (Oct 28, 2021) 4	1.34
Short % of Float (Oct 28, 2021) 4	0.61%
Short % of Shares Outstanding (Oct 28, 2021) 4	0.61%
Shares Short (prior month Sep 29, 2021) 4	101.11M

#### Dividends & Splits

	Value
Forward Annual Dividend Rate 4	0.88
Forward Annual Dividend Yield 4	0.59%
Trailing Annual Dividend Rate 3	0.85
Trailing Annual Dividend Yield 3	0.57%
5 Year Average Dividend Yield 4	1.22

## Balance Sheet

	Value
Total Cash (mrq)	62.64B
Total Cash Per Share (mrq)	3.82
Total Debt (mrq)	136.52B
Total Debt/Equity (mrq)	216.39
Current Ratio (mrq)	1.08

## Chashflow Statement

	Value
Book Value Per Share (mrq)	3.84
Operating Cash Flow (ttm)	104.04B
Levered Free Cash Flow (ttm)	73.3B

# Financials

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This tab contains three buttons to swap the presented table between Income Statement, Balance Sheet and Cash Flow of the company.

## Apple Inc. Financials

[Income Statement](#)[Balance Sheet](#)[Cash Flow](#)

	2021-09-25	2021-06-26	2021-03-27	2020-12-26
researchDevelopment	5772000000	5717000000	5262000000	5163000000
effectOfAccountingCharges	<NA>	<NA>	<NA>	<NA>
incomeBeforeTax	23248000000	24369000000	28011000000	33579000000
minorityInterest	<NA>	<NA>	<NA>	<NA>
netIncome	20551000000	21744000000	23630000000	28755000000
sellingGeneralAdministrative	5616000000	5412000000	5314000000	5631000000
grossProfit	35174000000	35255000000	38079000000	44328000000
ebit	23786000000	24126000000	27503000000	33534000000
operatingIncome	23786000000	24126000000	27503000000	33534000000

# Apple Inc. Analysis

## Earnings Estimate

	Current Qtr. (Dec 2021)	Next Qtr. (Mar 2022)	Current Year (2022)	Next Year (2023)
No. of Analysts	24.0000	23.0000	34.0000	29.0000
Avg. Estimate	1.8800	1.3200	5.7500	6.1500
Low Estimate	1.7500	1.1600	5.2000	5.2600
High Estimate	1.9700	1.5200	6.2700	6.8200
Year Ago EPS	1.6800	1.4000	5.6100	5.7500

## Revenue Estimate

	Current Qtr. (Dec 2021)	Next Qtr. (Mar 2022)	Current Year (2022)	Next Year (2023)
No. of Analysts	21	21	33	27
Avg. Estimate	117.97B	90.41B	381.66B	398.36B
Low Estimate	111.81B	82.17B	359.16B	300.5B
High Estimate	121.3B	98.28B	405.44B	445.58B
Year Ago Sales	<NA>	<NA>	365.82B	381.66B
Sales Growth (year/est)	<NA>	<NA>	4.30%	4.40%

## Earnings History

	12/30/2020	3/30/2021	6/29/2021	9/29/2021
EPS Est.	1.41	0.99	1.01	1.24
EPS Actual	1.68	1.4	1.3	1.24
Difference	0.27	0.41	0.29	0
Surprise %	19.10%	41.40%	28.70%	0.00%

## EPS Trend

	Current Qtr. (Dec 2021)	Next Qtr. (Mar 2022)	Current Year (2022)	Next Year (2023)
Current Estimate	1.8800	1.3200	5.7500	6.1500
7 Days Ago	1.8800	1.3200	5.7300	6.1200
30 Days Ago	1.8700	1.2800	5.6800	5.9500
60 Days Ago	1.8700	1.2700	5.7100	5.9300
90 Days Ago	1.8700	1.2700	5.6700	5.9200

## EPS Revisions

	Current Qtr. (Dec 2021)	Next Qtr. (Mar 2022)	Current Year (2022)	Next Year (2023)
Up Last 7 Days	7.0000	1.0000	1.0000	1.0000
Up Last 30 Days	11.0000	14.0000	17.0000	10.0000
Down Last 7 Days	<NA>	<NA>	<NA>	<NA>
Down Last 30 Days	7.0000	<NA>	<NA>	<NA>

## Growth Estimates

# Analysis

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# Monte Carlo Simulation

This tab can be used to simulate future prices and obtain the Value at Risk at a 95% confidence level.

Several options can be modified as the period you want to use for the simulations, number of simulations and the time horizon in days.

## Apple Inc. Monte Carlo Simulation

Period

- ☒ 6M  
☐ 1Y  
☐ 2Y  
☐ 5Y

Start Date

2021/05/17

Number of Simulations

200

End Date

2021/11/13

Time Horizon (Days)

30

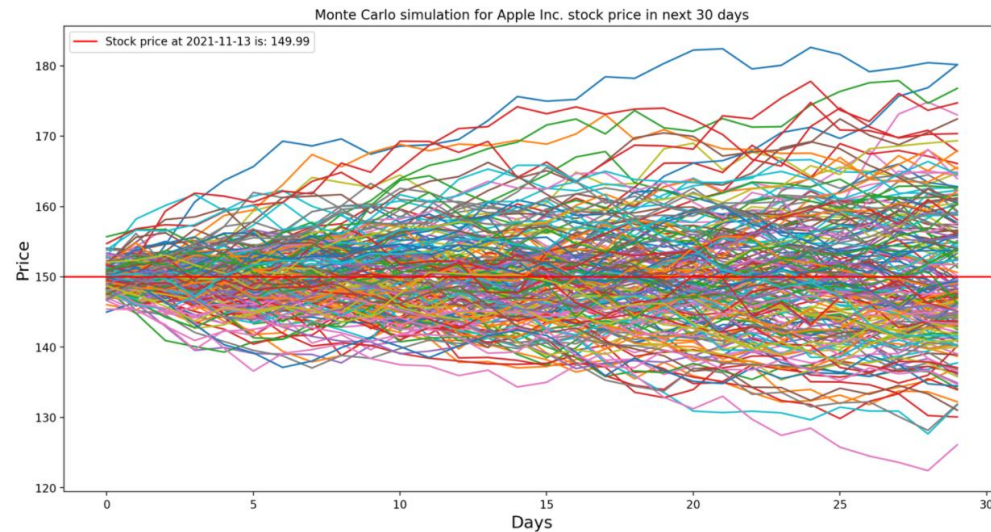
Price at 2021-11-13 (USD)

\$149.99

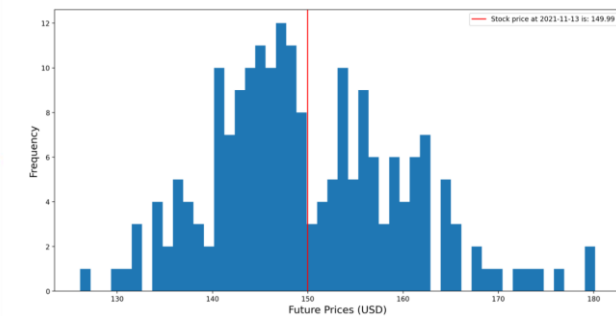
VaR 95% Confidence

\$15.09

Simulations Plot



Simulations Histogram





Thank you!

