



# Introduction to Bloomberg

70-428 Financial Statements Analysis

# Agenda

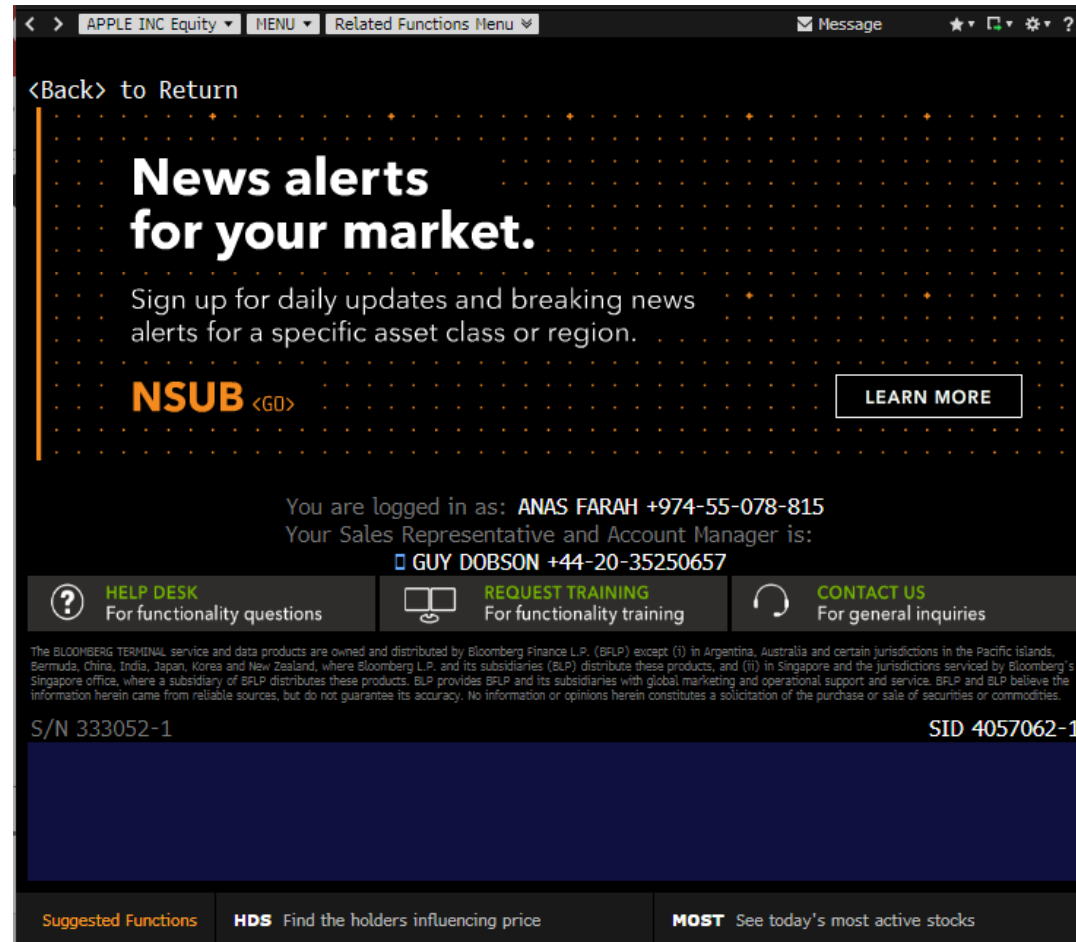
What we will be covering today

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- Bloomberg overview and navigation
- How to use **DES, CF, CN, FA, GP** and **HCP** functions
- Different methods of exporting data to Excel
- Other useful functions: **IPO, MA, EQS, ECST**
- How to find help and documentation on how to use an unfamiliar function

# Bloomberg Overview & Navigation

Bloomberg key terms: Functions, Securities (data), Menus



Source: Bloomberg

# Bloomberg Overview & Navigation

## Bloomberg key terms: Functions, Securities (data), Menus

### Tool bar

The tool bar allows you to see current and previously loaded securities and functions and display show function menus

### Command bar

Command bar allows you to search for securities and run **function shortcuts**

### Function Area

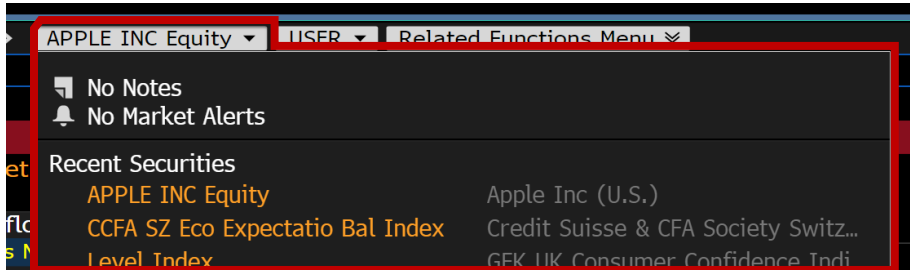
The result of your searches and functions gets displayed in the function area

The screenshot displays the Bloomberg Terminal interface. At the top, a dark navigation bar contains the text 'APPLE INC Equity', 'MENU', and 'Related Functions Menu'. Below this is a '<Back> to Return' button. The main content area features a 'News alerts for your market.' banner with a 'LEARN MORE' button. Below the banner, it shows the user is logged in as 'ANAS FARAH +974-55-078-815' and their Sales Representative is 'GUY DOBSON +44-20-35250657'. A row of three service buttons is visible: 'HELP DESK For functionality questions', 'REQUEST TRAINING For functionality training', and 'CONTACT US For general inquiries'. A small disclaimer is present below these buttons. At the bottom, a dark blue bar shows 'S/N 333052-1' on the left and 'SID 4057062-1' on the right. Below this bar are three suggested function buttons: 'Suggested Functions', 'HDS Find the holders influencing price', and 'MOST See today's most active stocks'.

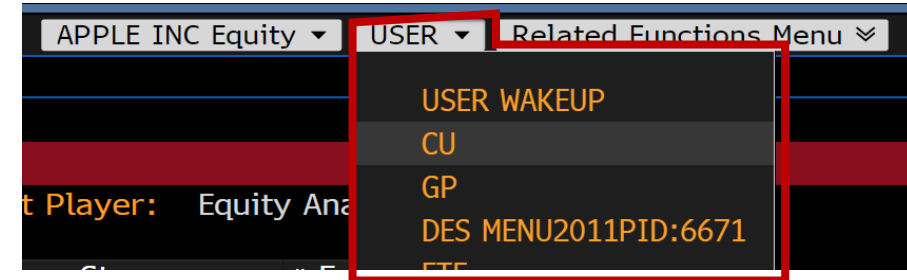
Source: Bloomberg

# Bloomberg Overview & Navigation

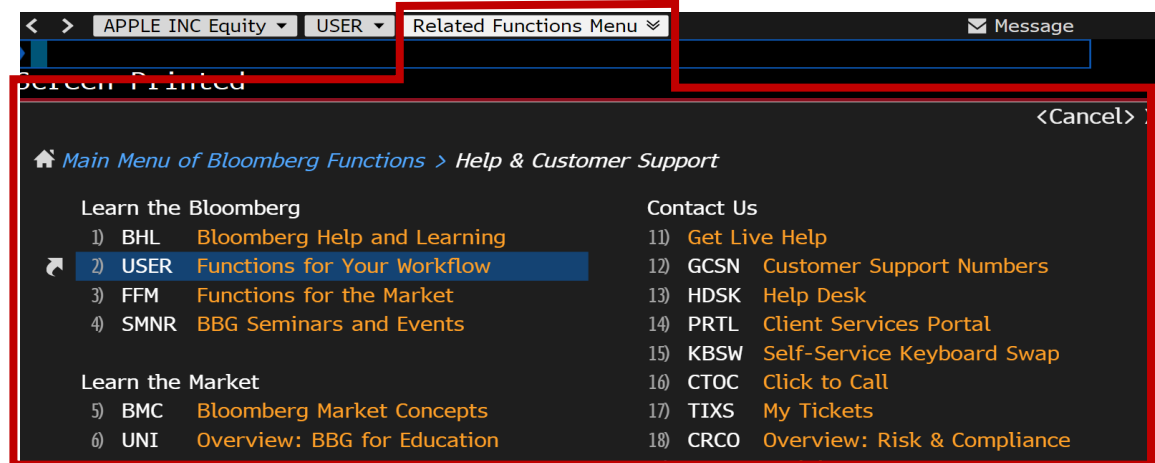
## Bloomberg key terms: Functions, Securities (data), Menus



See the current and previous **securities** you searched for



See the current and previous **functions** you used



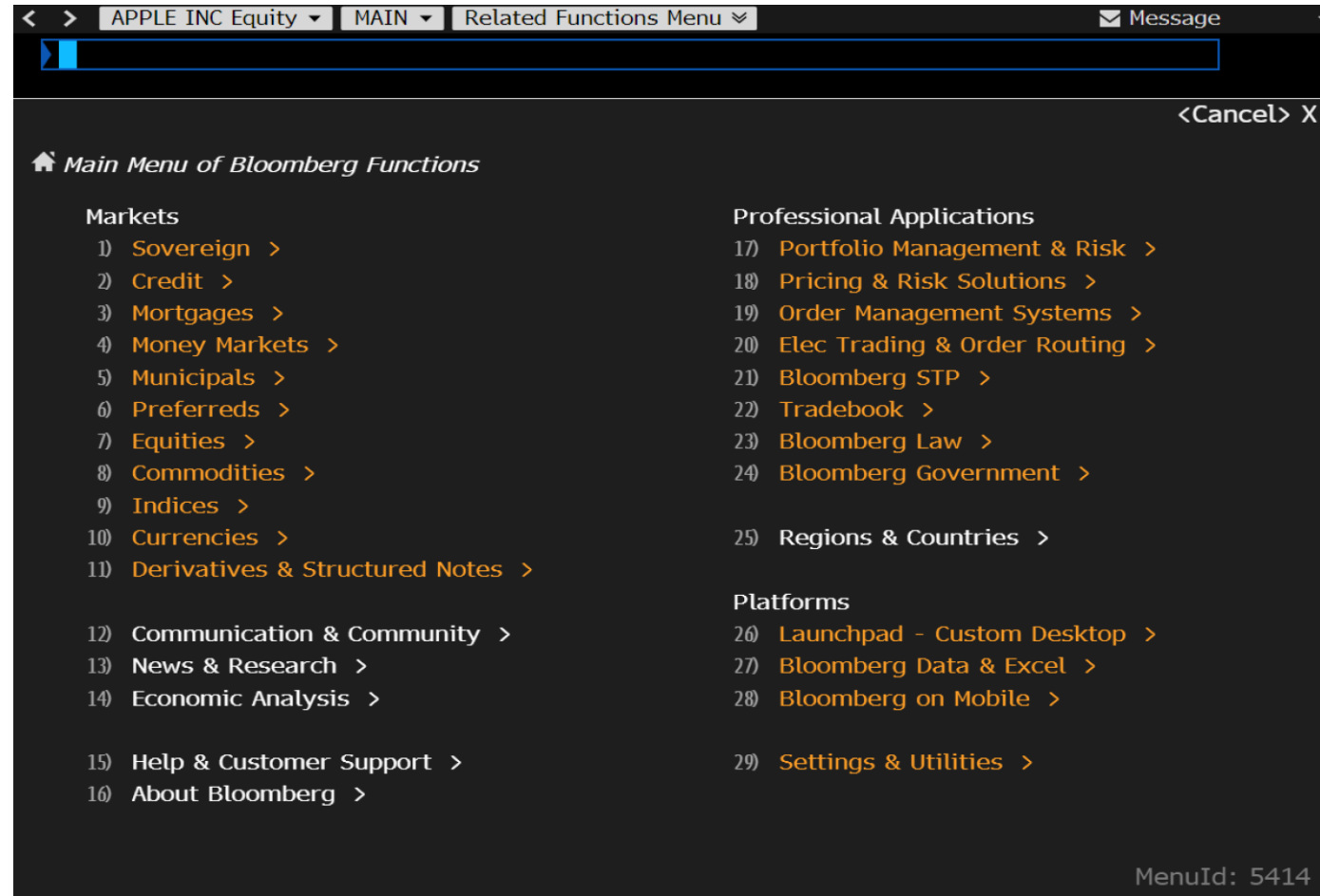
See the **menu of functions** available for your loaded security

Source: Bloomberg

# How to navigate Bloomberg

## Overview of the main function

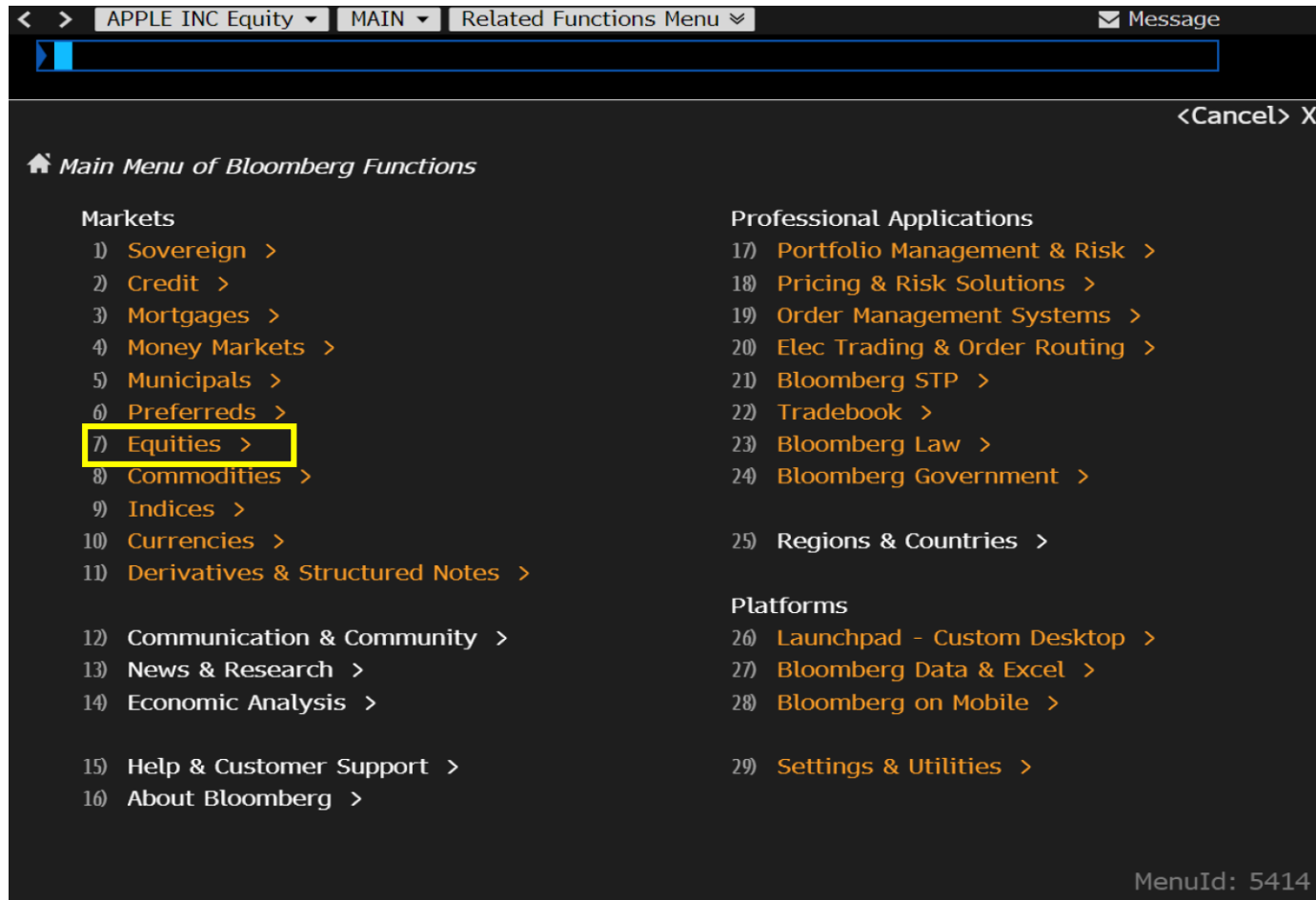
In the command bar, type **MAIN** and press enter. You will reach the **MAIN** menu of Bloomberg. The **MAIN** menu is the root menu in Bloomberg. All of Bloomberg functions, markets and tools can be accessed starting from this menu.



Source: Bloomberg

# Bloomberg Markets

Your courses place focus on equities

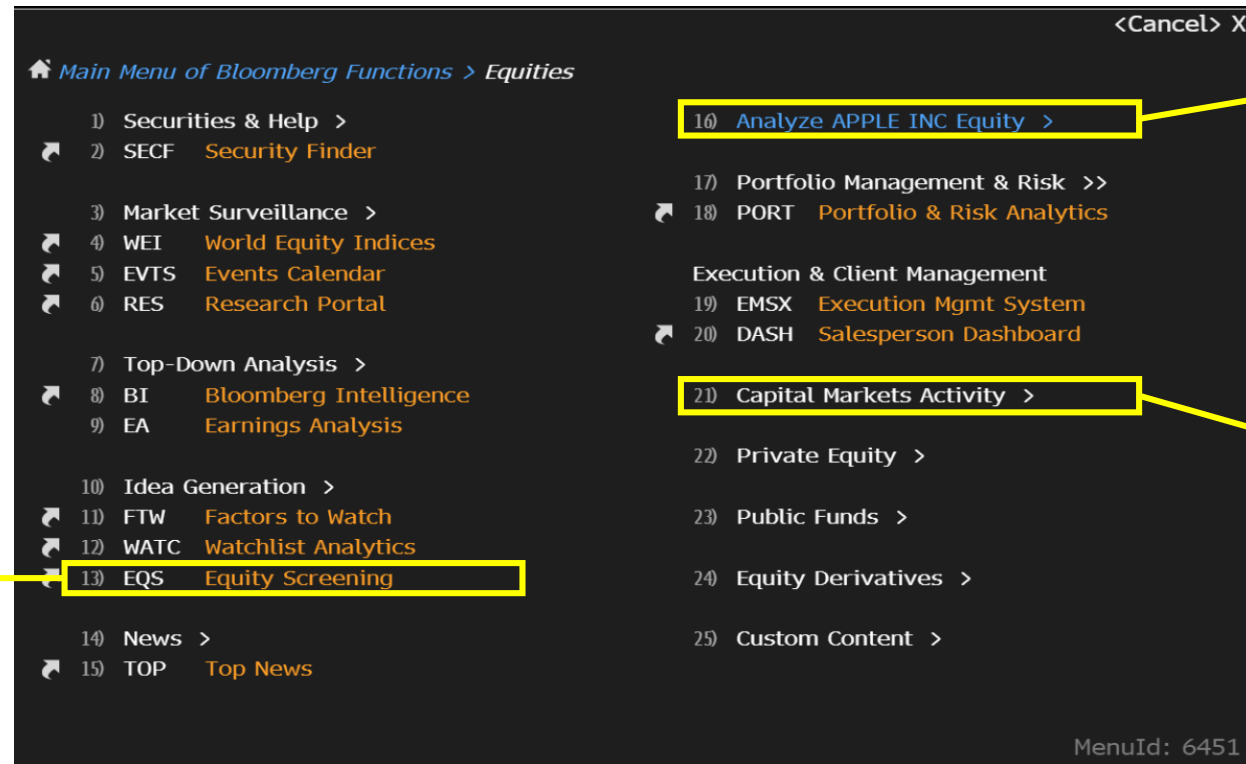


Source: Bloomberg

# Equities Overview

Within the Equities Menu, you will spend most of your time analyzing a single stock

In some courses you will need to screen for equities that meet a certain set of criteria. EQS comes in handy for that task.



Analyze Security is our main focus.

Capital Markets has two useful functions for finding comparable transactions (for valuation assignments): **IPO** and **MA**.



# Analyze Security Overview

We will focus on the ones highlighted below

<Cancel> X

🏠 Main Menu of Bloomberg Functions > Equities > Analyze APPLE INC Equity

1) Company Overview >	17) Charting & Reporting >
2) DES Security Description	18) GP Line Chart
3) MFID MiFID Descriptive Data	19) GF Graph Fundamentals
4) CF Company Filings	20) CMAP Company Map
5) CN Individual Company News	
6) Company Analysis >	21) Security Surveillance >
7) FA Financial Analysis	22) EVT Company Events
8) OWN Ownership Summary	23) BQ Bloomberg Quote
9) CRPR Credit Rating Profile	
10) Research & Estimates >	24) Trade Analytics >
11) EE Earnings & Estimates	25) IOIA IOI & Advert Overview
12) BRC Research Portal: Single Sec	26) MDM Market Depth Monitor
13) BICO BI Company Primer	27) VWAP Price and Vol Dashboard
	28) RANK Broker Rankings
14) Comparative Analytics >	29) TP Trading Performance
15) EQRV Equity Relative Valuation	30) VENU Venue Analytics
16) RV Relative Valuation	31) Derivatives >
	32) OMON Option Monitor

MenuId: 6452

<Cancel> X

🏠 Main Menu of Bloomberg Functions > Equities > Analyze APPLE INC Equity > Charting & Reporting

1) CHAR Charts Homepage	16) Price Tables >
2) TECH Technical Study Browser	7) HP Historical Price Table
3) G My Graphs	8) HCP Historical Price with % Chg
4) PIB Public Information Book	19) HCPI Historical OHLC with % Chg
5) RWR Report Writer	
	Technical Research Tools
6) Price and Volume Charts >	20) TSIG Trading Signals
7) GP Line Chart	21) BTST Basic Backtesting
8) GPO Bar Chart	22) BT Backtesting & Optimization
9) GPC Candle Chart	23) STDY Custom Study Manager
10) GIP Intraday Price Chart	
11) GF Graph Fundamentals	Volume Analytics
	24) IGPV Volume Analysis Chart
12) Special Technical Charts >	25) VBAR Volume Dimension Bars
13) PFP Point & Figure Chart	26) IVAT Volume at Time
14) MKTP Market Picture	
15) GPHA Heikin-Ashi Chart	

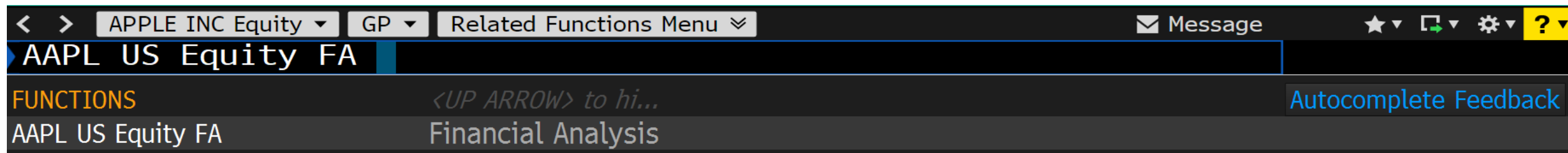
MenuId: 6589

Source: Bloomberg

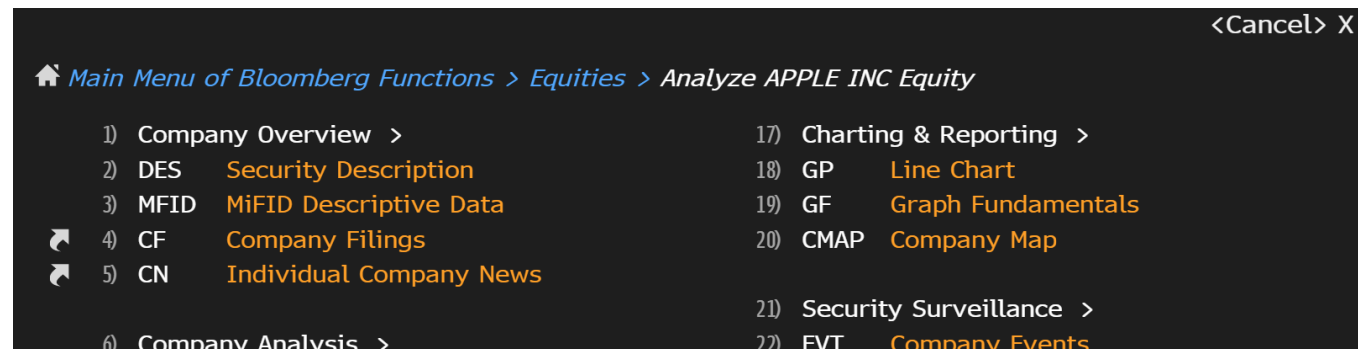
# Using the command bar

## How to use the command bar in conjunction with MENUs to run searches

To run a function directly from the command bar, search for a security followed by the function. In the case above the security is **AAPL US Equity** and the function is **FA**



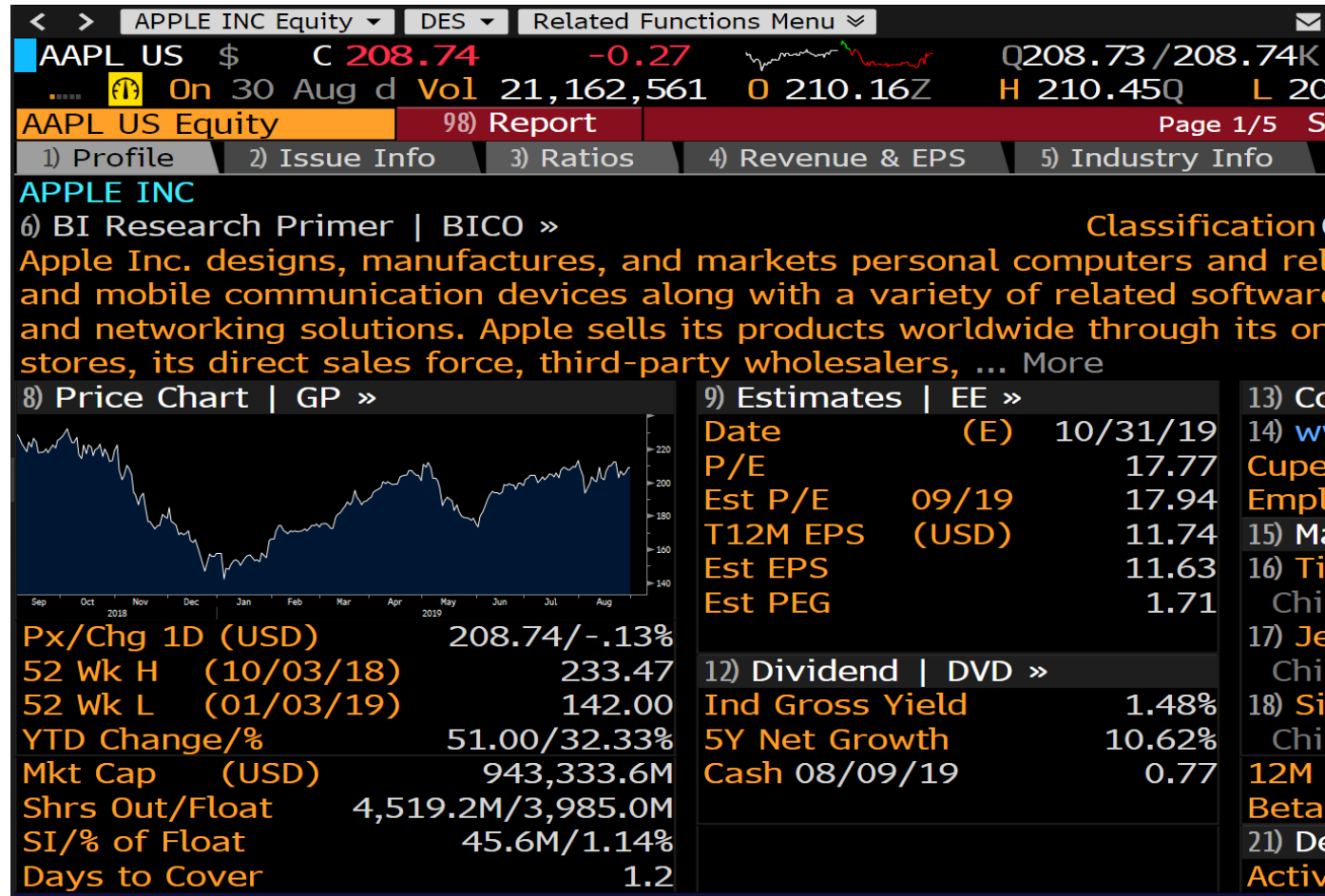
Alternatively, just search for a security and then a function menu will show up. You can choose functions from the menu directly.



Source: Bloomberg

# Bloomberg DES Function

DES allows you to see a snapshot of your loaded security



Company's business model and segments

1 Year Share Price Chart

Stock Performance Statistics, Short Interest, Market Cap etc

Analyst estimates such as forecast EPS and Forward P/E

Source: Bloomberg

# Bloomberg CF function

How to find a company's 10-K and 10-Q filings

Document Types	Company	Source	Date	Period	Language	Size
<input type="checkbox"/> Transcripts	Apple Inc	10-Q	07/31/19	06/29/19	English	10M
<input type="checkbox"/> Research	Apple Inc	10-Q	05/01/19	03/30/19	English	10M
<input checked="" type="checkbox"/> Filings	Apple Inc	10-Q	01/31/19	12/29/18	English	8M
<input type="checkbox"/> Presentations	Apple Inc	10-K	11/05/18	09/29/18	English	12M
<input type="checkbox"/> Press Releases	Apple Inc	10-Q	08/01/18	06/30/18	English	9M
	Apple Inc	10-Q	05/02/18	03/31/18	English	9M
	Apple Inc	10-Q	02/02/18	12/30/17	English	8M
	Apple Inc	10-K	11/03/17	09/30/17	English	13M
	Apple Inc	10-Q	08/02/17	07/01/17	English	10M
	Apple Inc	10-Q	05/03/17	04/01/17	English	9M
	Apple Inc	10-Q	02/02/17	12/31/16	English	8M
<input checked="" type="checkbox"/> 10-Q	Apple Inc	10-K	10/27/16	09/24/16	English	13M
<input checked="" type="checkbox"/> 10-K	Apple Inc	10-Q	07/27/16	06/25/16	English	9M
<input type="checkbox"/> 10-K405	Apple Inc	10-Q	04/27/16	03/26/16	English	6M
<input type="checkbox"/> 10-K/A	Apple Inc	10-Q	01/27/16	12/26/15	English	5M
<input type="checkbox"/> 10-Q/A	Apple Inc	10-K	10/29/15	09/26/15	English	6M
	Apple Inc	10-Q	07/23/15	06/27/15	English	4M
	Apple Inc	10-Q	04/29/15	03/28/15	English	4M
	Apple Inc	10-Q	01/29/15	12/27/14	English	4M
	Apple Inc	10-K	10/28/14	09/27/14	English	6M
	Apple Inc	10-Q	07/23/14	06/28/14	English	5M
	Apple Inc	10-Q	04/25/14	03/29/14	English	4M
	Apple Inc	10-Q	01/29/14	12/28/13	English	4M

Select Filings in the Document Types

Search for 10-K, 10-Q from in the Filings Filters

Source: Bloomberg

# Bloomberg CN function

## How to find company related news

CN allows you to see the news related to your loaded security. The feature is self explanatory. You can edit news sources and dates to narrow down your news results. The function is often useful when you need to know the news sentiment, product announcements, competitive and legal threats...

APPLE INC Equity | CN | Related Functions Menu | Message

AAPL US \$ C 208.74 -0.27 Q208.73 / 208.74K 447x3  
On 30 Aug c Vol 21,162,561 O 210.16Z H 210.45Q L 207.20D Val 4.4

Search News | Actions | Custom Searches | Translate | Key Themes | Page 1

Apple Inc | Sources | All Dates | My Lang | Time

Top Ranked News | More » | Top News | Background & Opti

- 1) Trump Trade War With China Will Hit Apple for Real This Weekend BN C
- 2) Apple Warns of Cracked Watch Screens and Offers Free Fixes BN C
- 3) Apple Braces for \$1bn Tariff Hit as It Prepares for Launch of New iPhone TEL C

Time Ordered News

- 4) AppleInsider: Tariffs have begun on imports of HomePods, AirPods and desktop... BLG
- 5) Express India: Apple Tag: Here's everything you need to know about Tile-like s... NS6
- 6) Apple To Set Up 2-3 Experience Centres, Online Retail Store In India BQU
- 7) Market Fragility On Show as Trade War, China Data Curb Optimism BN
- 8) FirstPost: Apple iPhone 11, iPhone 11 Pro, iPhone 11 Max specifications, pricing... NS6
- 9) Zee Business: Bad news for Apple users! iPhones, iMac, other devices to get ex... NS6
- 10) Apple products may get costlier with new 15% tariff IAN
- 11) High-Flying Tech Has a Touch of Gray NYT
- 12) FirstPost: After Apple, Samsung were sued in US, study shows phone radiation ... NS6
- 13) Forbes: New iPhone Hack Shock For 1 Billion Apple Users As Attacker Is Reveal... FOR
- 14) Express India: Apple iPhone 11 will 'shock' users with a 'completely different' ... NS6
- 15) FirstPost: Air India asks passengers to not carry select 15-inch MacBook Pro m... NS6
- 16) SlashGear: Apple Watch screen replacement program promises free crack fix BLG
- 17) Apple September 10 event: Here's how to watch iPhone 11 launch FEX
- 18) Forbes: New MacBook Pro Leak Reveals Apple's Solution To Your Troublesome B... FOR
- 19) DNA India: Apple's Tile-like accessory to track your belongings NS6

Source: Bloomberg

# Bloomberg FA function

How to load a company's financial statements and financial ratios

Click on I/S, B/S, C/F or Ratios to access financial statements and ratios respectively

The screenshot shows the Bloomberg terminal interface for Apple Inc. (AAPL US Equity). The top section displays the stock price at \$208.74, a change of -0.27, and other market data. Below this, the 'Financial Analysis' section is active, showing a menu with options: 1) Key Stats, 2) I/S, 3) B/S, 4) C/F, 5) Ratios, 6) Segments, 7) Addl, 8) ESG, and 9) Custom. The 'Ratios' option is highlighted with a yellow box. The main table displays financial data for 2019 Q1, 2019 Q2, 2019 Q3, 2019 Q4 Est, and 2020 Q1 Est, along with a 5Q Average. The data is presented in millions of USD except per share.

	2019 Q1 12/29/2018	2019 Q2 03/30/2019	2019 Q3 06/29/2019	2019 Q4 Est 09/30/2019	2020 Q1 Est 12/31/2019	5Q Avg
<b>Revenue</b>	84,310.0	58,015.0	53,809.0	62,740.9	86,172.5	0.0
Growth (YoY)	-4.5	-5.1	1.0	-0.3	2.2	3.0
<b>+ Sales &amp; Services Revenue</b>	84,310.0	58,015.0	53,809.0			0.0
Growth (YoY)	-4.5	-5.1	1.0			3.0
<b>- Cost of Revenue</b>	52,279.0	36,194.0	33,582.0			0.0
Growth (YoY)	-3.9	-4.0	2.2			8.0
<b>+ Cost of Goods &amp; Services</b>	52,279.0	36,194.0	33,582.0			0.0
Growth (YoY)	-3.9	-4.0	2.2			8.0
<b>Gross Profit</b>	32,031.0	21,821.0	20,227.0	23,795.1	32,457.7	-0.0
Growth (YoY)	-5.5	-6.8	-1.0	-1.2	1.3	-32.0
<b>+ Other Operating Income</b>	0.0	0.0	0.0			
<b>- Operating Expenses</b>	8,685.0	8,406.0	8,683.0			3.0
Growth (YoY)	13.7	11.7	7.9			-11.0
<b>+ Selling, General &amp; Admin</b>	4,783.0	4,458.0	4,426.0			1.0
Growth (YoY)	13.0	7.4	7.7			-3.0
<b>+ Research &amp; Development</b>	3,902.0	3,948.0	4,257.0			4.0
Growth (YoY)	14.5	16.9	15.0			-4.0
<b>+ Other Operating Expense</b>	0.0	0.0	0.0			
<b>Operating Income (Loss)</b>	23,346.0	13,415.0	11,544.0	14,927.2	23,342.4	-0.0
Growth (YoY)	-11.1	-15.6	-6.7	7.4	0.0	-24.0

Source: Bloomberg

# Bloomberg FA function

## How to load a company's financial statements and financial ratios

Select between adjusted, GAAP or As Reported to display financials:

- **Adjusted:** Financials follow a preset Bloomberg template. Certain line items will differ from the original statements.
- **GAAP:** Financials following GAAP accounting rules.
- **As Reported:** Financials as reported in the 10-K and 10-Q
- **Adj %:** Common size adjusted financial statements

	2019 Q1 12/29/2018	2019 Q2 03/30/2019	2019 Q3 06/29/2019	2019 Q4 Est 09/30/2019	2020 Q1 Est 12/31/2019	5Q Avg
<b>Revenue</b>	84,310.0	58,015.0	53,809.0	62,740.9	86,172.5	0.0
Growth (YoY)	-4.5	-5.1	1.0	-0.3	2.2	3.0
+ Sales & Services Revenue	84,310.0	58,015.0	53,809.0			0.0
Growth (YoY)	-4.5	-5.1	1.0			3.0
- Cost of Revenue	52,279.0	36,194.0	33,582.0			0.0
Growth (YoY)	-3.9	-4.0	2.2			8.0
+ Cost of Goods & Services	52,279.0	36,194.0	33,582.0			0.0
Growth (YoY)	-3.9	-4.0	2.2			8.0
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+ Other Operating Income	0.0	0.0	0.0			
- Operating Expenses	8,685.0	8,406.0	8,683.0			3.0
Growth (YoY)	13.7	11.7	7.9			-11.0
+ Selling, General & Admin	4,783.0	4,458.0	4,426.0			1.0
Growth (YoY)	13.0	7.4	7.7			-3.0
+ Research & Development	3,902.0	3,948.0	4,257.0			4.0
Growth (YoY)	14.5	16.9	15.0			-4.0
+ Other Operating Expense	0.0	0.0	0.0			
<b>Operating Income (Loss)</b>	23,346.0	13,415.0	11,544.0	14,927.2	23,342.4	-0.0
Growth (YoY)	-11.1	-15.6	-6.7	7.4	0.0	-24.0

Source: Bloomberg

# Bloomberg FA function

## How to load a company's financial statements and financial ratios

Notice how in the **As Reported Income Statement**, Revenue is split into Product and Service. These two new lines items were added following an adjustment Apple made in Q1-2019 as its Services Revenues were becoming more significant and are missing from the **Adjusted Income Statement**

AAPL US Equity 96) Actions 97) Export 98)	
39) ADJ Apple Inc	
1) Key Stats 2) I/S 3) B/S 4) C/F 5) Ratios 6)	
11) Adjusted 12) GAAP 13) As Reported 14) Reconciliation	
In Millions of USD except Per Share 2016 Q1	
3 Months Ending 12/26/2015	
<b>Income Statement</b>	
Revenues	
Revenues	75,872.0
Product Revenue	—
Service Revenue	—
Total Revenue	—
Operating Expenses	
Total Operating Expenses	6,252.0
Cost of Goods Sold	45,449.0
R & D Expenditures	2,404.0
Selling General and Administrative ...	3,848.0
Gross Profit	30,423.0
Operating Income	24,171.0
Cost of Products Sold	—
Cost of Services	—
Total Cost of Revenues	—
Non-Operating Expenses	
Income Tax Expense (Benefit)	6,212.0
Income Before Income Taxes	24,573.0
Other Non-Operating (Income)/Exp	-402.0

AAPL US Equity 96) Actions 97) Export 98)	
39) ADJ Apple Inc	
1) Key Stats 2) I/S 3) B/S 4) C/F 5) Ratios 6)	
11) Adjusted 12) GAAP 13) As Reported 14) Reconciliation	
In Millions of USD except Per Share 2016 Q1	
3 Months Ending 12/26/2015	
<b>Revenue</b>	
Revenue	75,324.0
Growth (YoY)	1.0
+ Sales & Services Revenue	75,324.0
Growth (YoY)	1.0
- Cost of Revenue	45,449.0
Growth (YoY)	1.3
+ Cost of Goods & Services	45,449.0
Growth (YoY)	1.3
<b>Gross Profit</b>	
Gross Profit	29,875.0
Growth (YoY)	0.5
+ Other Operating Income	0.0
- Operating Expenses	6,252.0
Growth (YoY)	13.8
+ Selling, General & Admin	3,848.0
Growth (YoY)	6.9
+ Research & Development	2,404.0
Growth (YoY)	26.9
+ Other Operating Expense	0.0
<b>Operating Income (Loss)</b>	
Operating Income (Loss)	23,623.0
Growth (YoY)	-2.6



# Bloomberg FA function

How to load a company's financial statements and financial ratios

In Millions of USD except Per Share	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2
3 Months Ending	12/26/2015	03/26/2016	06/25/2016	09/24/2016	12/31/2016	04/01/2017
<b>Returns</b>						
Return on Common Equity	42.71	39.06	37.90	36.90	34.69	34.57
Return on Assets	19.36	17.89	16.52	14.93	14.48	14.29
Return on Capital	30.99	26.85	24.89	23.45	22.61	21.29
Return on Invested Capital	29.83	25.77	23.79	20.08	21.35	19.91
<b>Margins</b>						
Gross Margin	40.10	39.40	38.02	38.02	38.51	38.93
EBITDA Margin	35.75	32.57	29.82	30.54	33.63	31.06
Operating Margin	31.86	27.67	23.86	25.10	29.81	26.65
Incremental Operating Margin	-	-57.57	-54.89	-61.56	-	4.70
Pretax Margin	32.39	27.97	24.72	26.01	30.86	27.76
Income before XO Margin	24.20	20.80	18.41	19.24	22.83	20.85
Net Income Margin	24.20	20.80	18.41	19.24	22.83	20.85
Net Income to Common Margin	24.20	20.80	18.41	19.24	22.83	20.85
<b>Additional</b>						
Effective Tax Rate	25.28	25.64	25.53	26.04	26.01	24.89
Dvd Payout Ratio	15.78	27.38	39.98	34.07	17.00	27.09
Sustainable Growth Rate	35.97	28.37	27.75	24.33	28.80	25.21

Click on the ratios button to display the ratios you're interested in: Profitability, Liquidity, Growth, DuPont analysis ratios etc.

Source: Bloomberg

# Bloomberg FA function

## How to Export Financial Statements/Ratios to Excel

In Millions of USD except Per Share 3 Months Ending	Q1 2016 12/26/2015	Q2 2016 03/26/2016	Q3 2016 06/25/2016	Q4 2016 09/24/2016	Q1 2017 12/31/2016	Q2 2017 04/01/2017	Q3 2017 07/01/2017	Q4 2017 09/30/2017	Q1 2018 12/30/2017	Q2 2018 03/31/2018	Q3 2018 06/30/2018	Q4 2018 09/29/2018	Q1 2019 12/29/2018	Q2 2019 03/30/2019	Q3 2019 06/29/2019
<b>Returns</b>															
Return on Common Equity	42.71	39.06	37.90	36.90	34.69	34.57	36.03	36.87	37.07	40.86	45.37	49.36	46.05	49.13	52.69
Return on Assets	19.36	17.89	16.52	14.93	14.48	14.29	14.34	13.87	13.69	15.19	16.16	16.07	15.23	16.12	16.59
Return on Capital	30.99	26.85	24.89	23.45	22.61	21.29	21.33	21.55	21.73	23.06	24.89	26.38	25.17	25.79	27.05
Return on Invested Capital	29.83	25.77	23.79	20.08	21.35	19.91	19.84	17.98	20.09	21.39	23.02	22.86	23.38	23.77	25.02
<b>Margins</b>															
Gross Margin	40.10	39.40	38.02	38.02	38.51	38.93	38.51	37.91	38.41	38.31	38.34	38.29	37.99	37.61	37.59
EBITDA Margin	35.75	32.57	29.82	30.54	33.63	31.06	28.90	29.68	32.87	30.48	28.68	30.00	31.72	28.36	26.90
Operating Margin	31.86	27.67	23.86	25.10	29.81	26.65	23.71	24.95	29.76	26.00	23.68	25.62	27.69	23.12	21.45
Incremental Operating Margin	—	-57.57	-54.89	-61.56	—	4.70	21.74	23.73	29.32	21.81	23.47	29.05	-73.51	-79.40	—
Pretax Margin	32.39	27.97	24.72	26.01	30.86	27.76	24.90	26.47	30.61	26.45	24.94	26.11	28.35	23.77	22.14
Income before XO Margin	24.20	20.80	18.41	19.24	22.83	20.85	19.20	20.38	22.73	22.61	21.63	22.46	23.68	19.93	18.67
Net Income Margin	24.20	20.80	18.41	19.24	22.83	20.85	19.20	20.38	22.73	22.61	21.63	22.46	23.68	19.93	18.67
Net Income to Common Margin	24.20	20.80	18.41	19.24	22.83	20.85	19.20	20.38	22.73	22.61	21.63	22.46	23.68	19.93	18.67
<b>Additional</b>															
Effective Tax Rate	25.28	25.64	25.53	26.04	26.01	24.89	22.91	23.02	25.77	14.51	13.29	13.98	16.49	16.18	15.67
Dvd Payout Ratio	15.78	27.38	39.98	34.07	17.00	27.09	37.55	30.35	16.11	22.90	30.94	24.82	17.32	29.51	35.04
Sustainable Growth Rate	35.97	28.37	22.75	24.33	28.80	25.21	22.50	25.68	31.10	31.50	31.33	37.11	38.08	34.63	34.23

Source: Bloomberg

**Export Menu:**

- PDF
- Excel
- Excel Template Library (XLTP)
- 73) Current Template
- 74) Custom Report...

**Financial Analysis Metrics:**

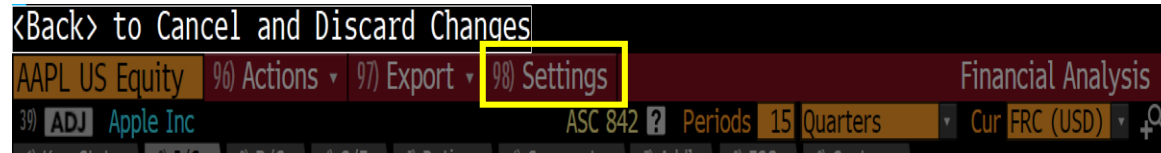
	2017 Q1 31/2016	2017 Q2 04/01/2017
<b>Returns</b>		
Return on Common Equity	42.71	39.06
Return on Assets	19.36	17.89
Return on Capital	30.99	26.85
Return on Invested Capital	29.83	25.77
<b>Margins</b>		
Gross Margin	40.10	39.40
EBITDA Margin	35.75	32.57
Operating Margin	31.86	27.67
Incremental Operating Margin	—	-57.57
Pretax Margin	32.39	27.97
Income before XO Margin	24.20	20.80
Net Income Margin	24.20	20.80
Net Income to Common Margin	24.20	20.80
<b>Additional</b>		
Effective Tax Rate	25.28	25.64
Dvd Payout Ratio	15.78	27.38
Sustainable Growth Rate	35.97	28.37

# Bloomberg FA function

How to display sequential and year over year change in financial statements figures

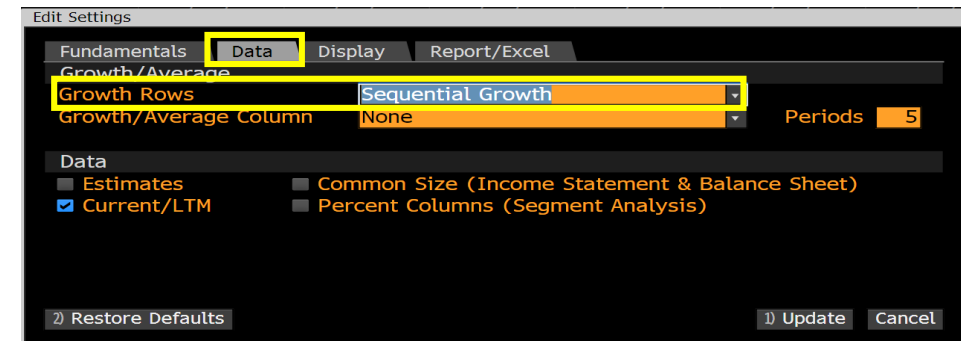
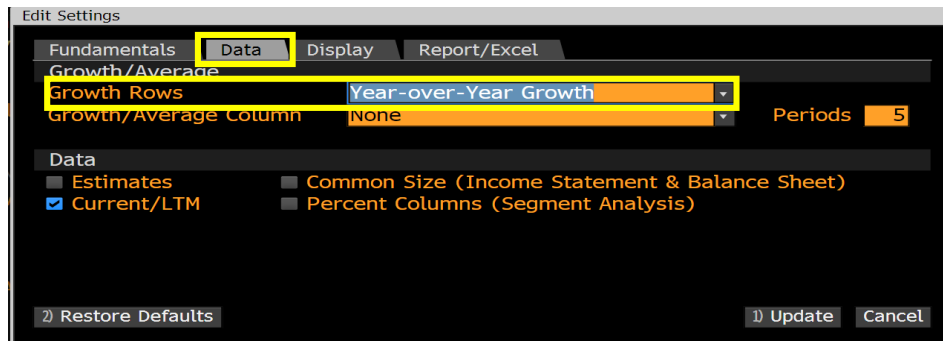
1

Click on settings



2

From Data, Chose Year over Year or Sequential growth



3

The table updates with item lines for YoY or sequential change

AAPL US Equity		96) Actions	97) Export	98) Settings
39) ADJ Apple Inc		ASC 842 ? Periods 15 Quarters Cur FRC (USD)		
1) Key Stats		2) I/S	3) B/S	4) C/F
1) Adjusted		12) GAAP	13) As Reported	14) Reconciliation
In Millions of USD except Per Share		2018 Q2	2018 Q3	2018 Q4
3 Months Ending		03/31/2018	06/30/2018	09/29/2018
Revenue		61,137.0	53,265.0	62,900.0
Growth (YoY)		15.6	17.3	21.1
+ Sales & Services Revenue		61,137.0	53,265.0	62,900.0
Growth (YoY)		15.6	17.3	21.1
- Cost of Revenue		37,715.0	32,844.0	38,816.0
Growth (YoY)		16.7	17.6	18.9
+ Cost of Goods & Services		37,715.0	32,844.0	38,816.0
Growth (YoY)		16.7	17.6	18.9
Gross Profit		23,422.0	20,421.0	24,084.0

1) Key Stats		2) I/S	3) B/S	4) C/F	5) Ratios	6) Segments	7) Addl	8) ESG
1) Adjusted		12) GAAP	13) As Reported	14) Reconciliation	15) SBC & Amort	16) Adj %		
In Millions of USD except Per Share		2018 Q2	2018 Q3	2018 Q4				
Months Ending		03/31/2018	06/30/2018	09/29/2018				
Revenue		61,137.0	53,265.0	62,900.0				
Growth (Seq)		-30.8	-12.9	18.1				
+ Sales & Services Revenue		61,137.0	53,265.0	62,900.0				
Growth (Seq)		-30.8	-12.9	18.1				
- Cost of Revenue		37,715.0	32,844.0	38,816.0				
Growth (Seq)		-30.6	-12.9	18.2				
+ Cost of Goods & Services		37,715.0	32,844.0	38,816.0				
Growth (Seq)		-30.6	-12.9	18.2				
Gross Profit		23,422.0	20,421.0	24,084.0				
Growth (Seq)		-30.9	-12.8	17.9				

Source: Bloomberg

# Bloomberg GP function

## How to graph a company's stock price

The chart on the right is the standard graph you get when you run the GP function. The 1 year daily price is plotted on the top (shaded blue), the bottom graphs show the volume and a moving average of the volume.

Next we will see how we can customize this chart.

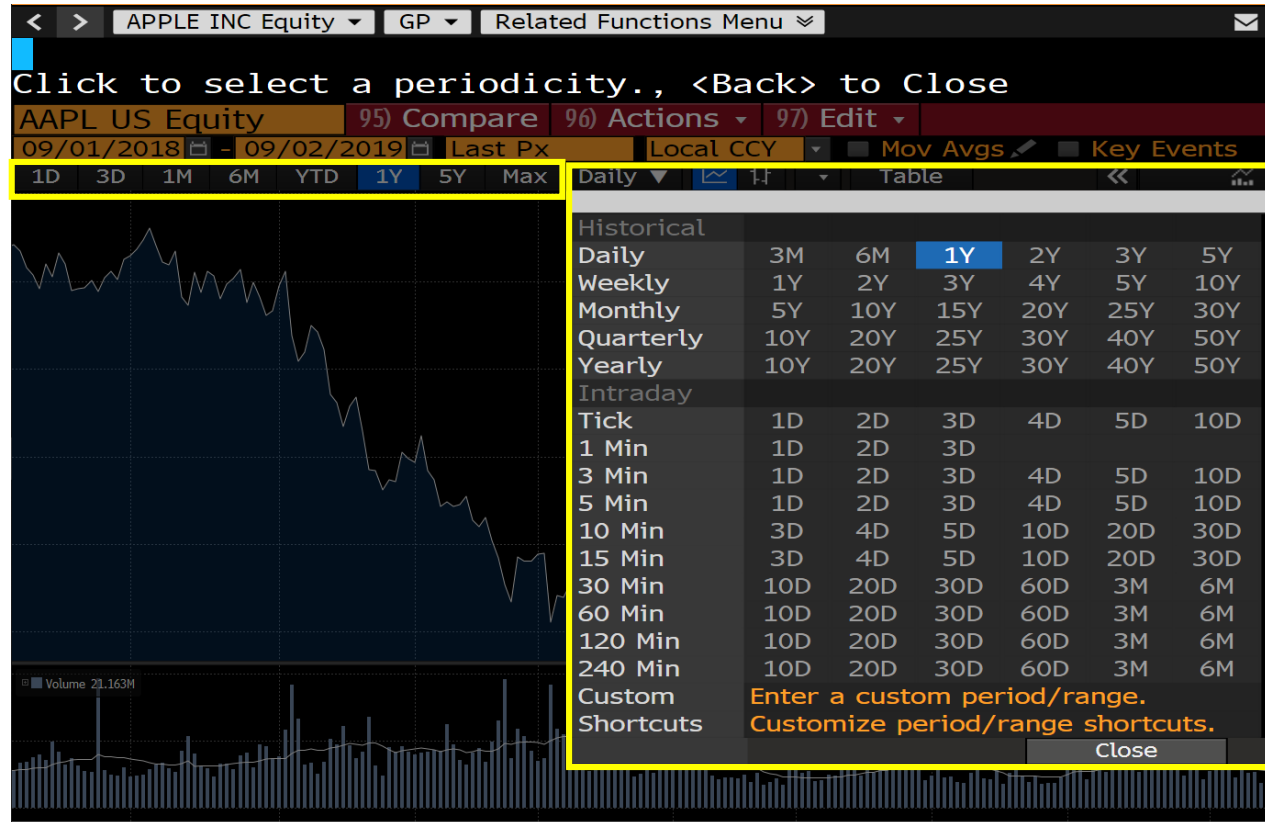


Source: Bloomberg

# Bloomberg GP function

## How to change the range and frequency of your chart

You can change the historical range of your data to 1 day, 1M, 6M, YTD etc.

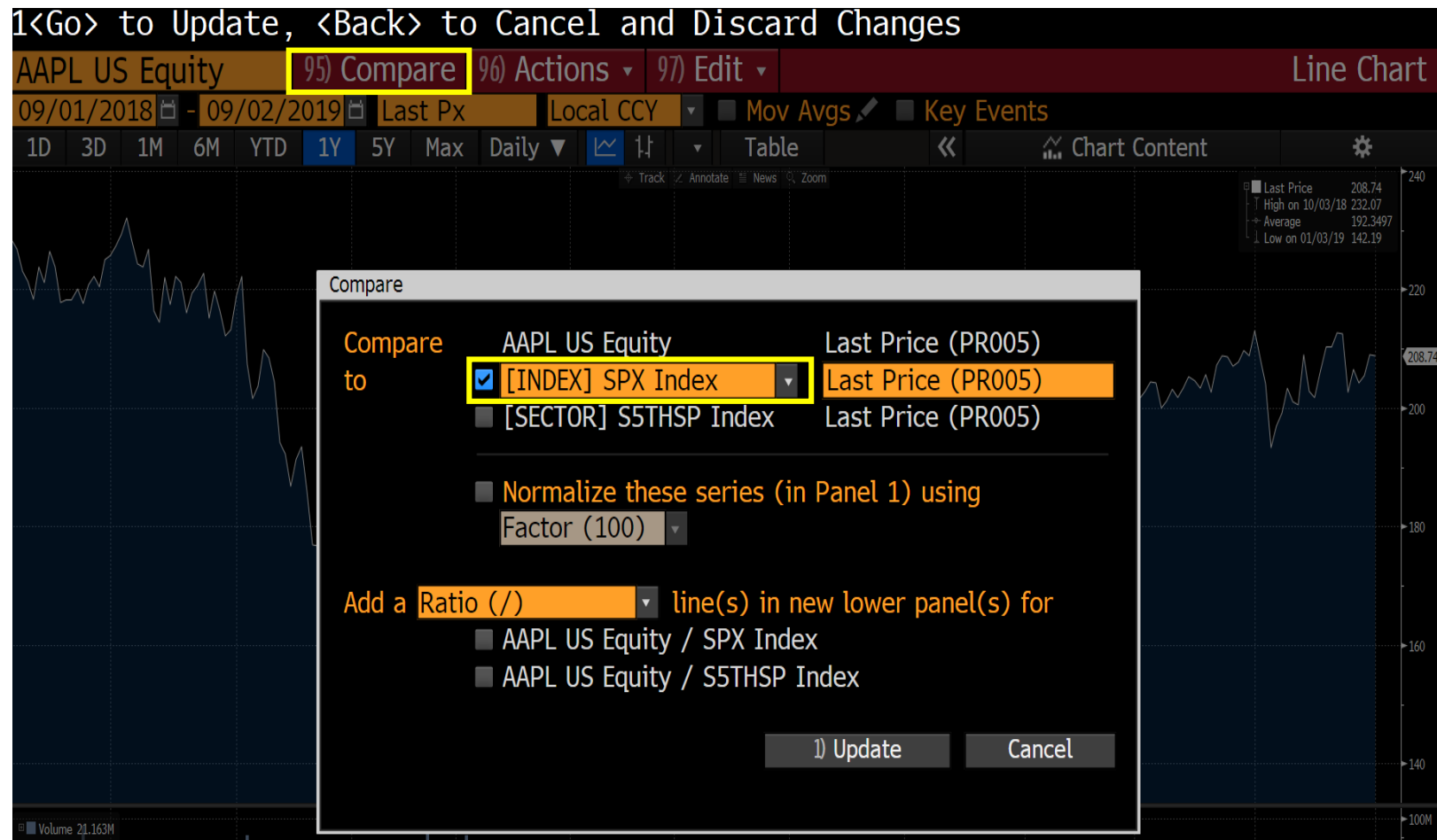


You can select the frequency of your data to Daily, Weekly, Monthly etc.

# Bloomberg GP function

## Adding additional securities to your chart/graph

One way to add an additional security to your graph is through the compare button on your graph page. In this case, we are adding S&P 500 index to the chart.



Source: Bloomberg

# Bloomberg GP function

## Adding additional securities to your chart/graph

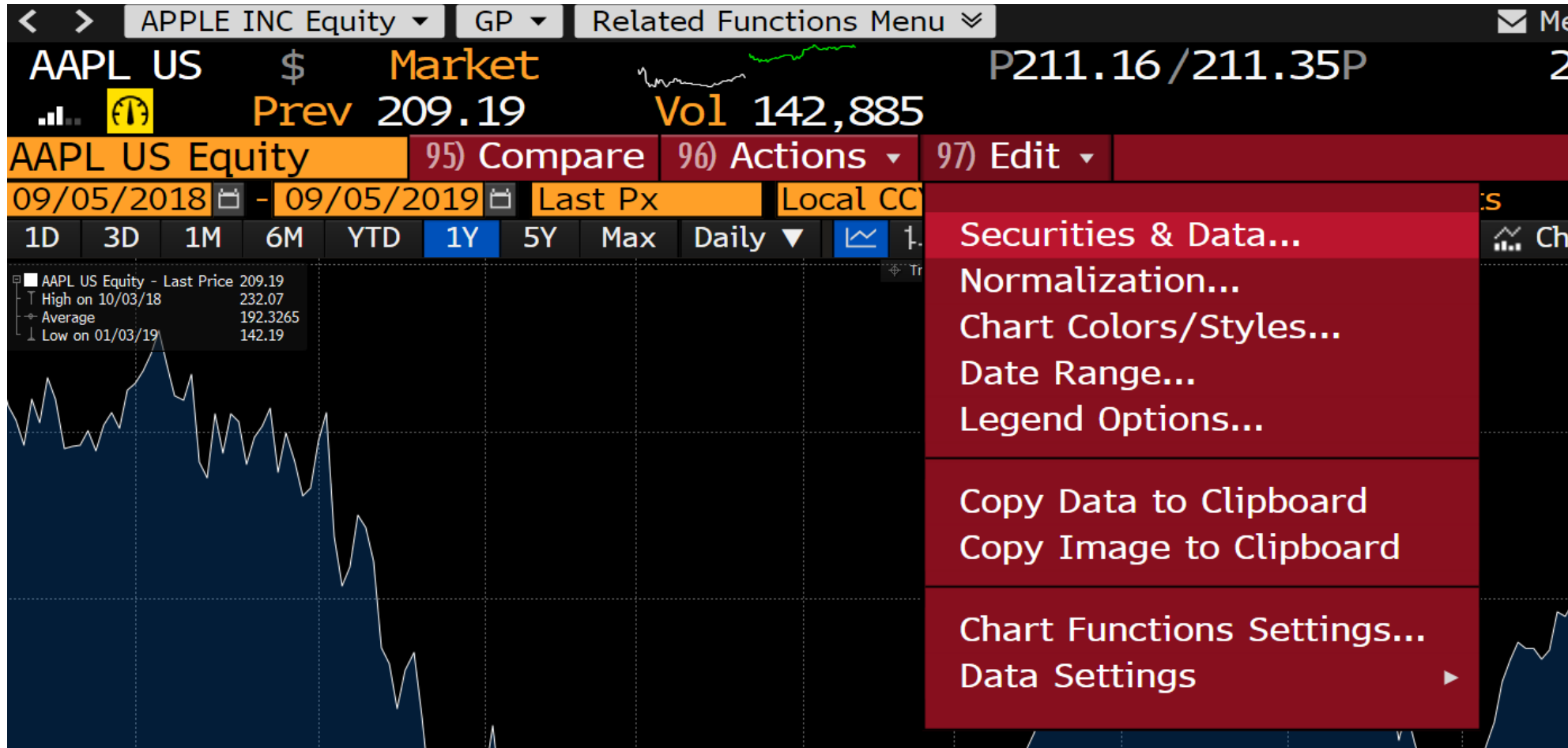
A second way to add securities to your chart is through the Chart Content button. Click on the chart content button and add as many securities as you wish to your graph.



Source: Bloomberg

# Bloomberg GP Function – Editing charts

Click on the edit button to access the graph editing menu



Source: Bloomberg



# Bloomberg GP Function – Editing charts

Editing line color, style, thickness, shading and axis

Editing line axis

21) Securities & Data		22) Normalization		23) Color/Style		24) Date Range		25) Legend	
11) Add Series	<input checked="" type="checkbox"/> Link Same Securities	<input type="checkbox"/> Show Price as Yield	<input type="checkbox"/> Link Same Fields	Local CUR					
Pan...	Axis	Security	Data Series	Multi	Spread	Security	Data Series	Multi	
1	R2	AAPL US Equity	Last Px	1	None			1	⊗
1	R1	NVDA US Equity	Last Px	1	None			1	⊗

The rest...

21) Securities & Data		22) Normalization		23) Color/Style		24) Date Range		25) Legend	
Data Series	Color	Type	Style	Width	Marker	H/L			
Panel 1									
AAPL US Equity		Line	Shaded	1	None				
NVDA US Equity		Line	Solid	1	None				

Source: Bloomberg

# Bloomberg GP Function – Rebasing Charts

How to rebase a ticker/chart to 100

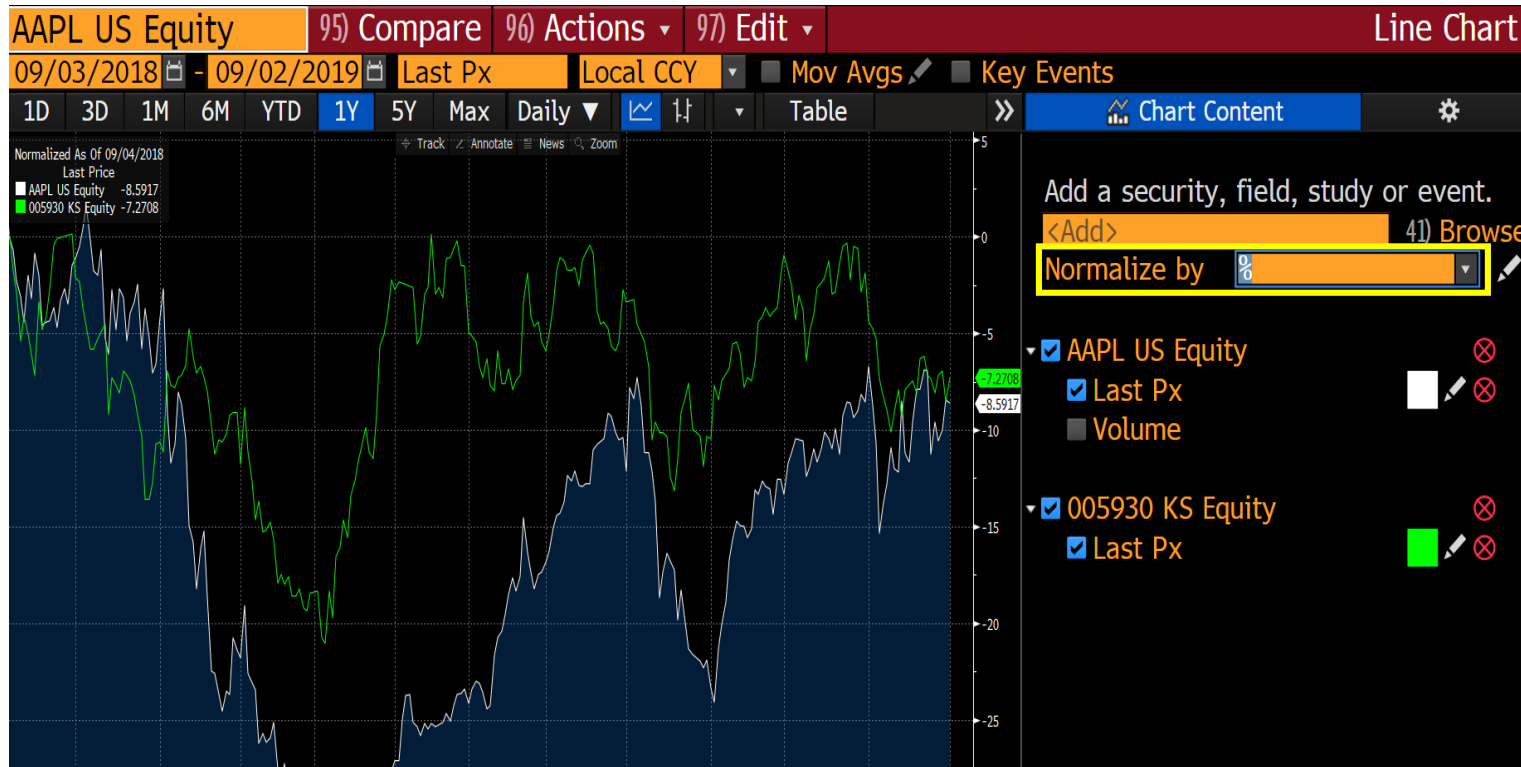
Think of rebasing in this way. If you had \$100 invested in a security at the beginning of the period how much would you have at the end of the period. Notice how in our Example, if you bought \$100 of Apple and \$100 of NASDAQ 1 year ago, you would have ~\$91 of Apple and \$92 of NASDAQ today.



Source: Bloomberg

# Bloomberg GP Function – Normalizing Charts

How to display the % change of a ticker/chart



Source: Bloomberg

# Bloomberg HCP Function

How to find a company's historical stock price and percentage change

HCP displays a table of the historical daily, weekly etc. stock price along with corresponding net and percentage changes.

APPL US Equity | HCP | Related Functions Menu | Message

AAPL US \$ C 208.74 -0.27 Q208.73 / 208.74K 447x3

On 30 Aug d Vol 21,162,561 O 210.16Z H 210.45Q L 207.20D Val 4.41B

AAPL US Equity 96) Export 97) Settings Historical Price with % Chg

Apple Inc High 232.07 on 10/03/18

Range 09/04/2018 - 08/30/2019 Period Daily Low 142.19 on 01/03/19

Market Last Price Volume Currency USD Average 192.3497 32,795,385

View Price with % Chg Net Chg -19.62 -8.59%

Date	Last Price	Net Change	% Change	Volume	Net Change	% Change
Fr 08/30/19	208.74	-0.27	-0.13%	21,162,561	+154,909	+0.74%
Th 08/29/19	209.01	+3.48	+1.69%	21,007,652	+5,050,020	+31.65%
We 08/28/19	205.53	+1.37	+0.67%	15,957,632	-9,939,712	-38.38%
Tu 08/27/19	204.16	-2.33	-1.13%	25,897,344	-168,786	-0.65%
Mo 08/26/19	206.49	+3.85	+1.90%	26,066,130	-20,816,713	-44.40%
Fr 08/23/19	202.64	-9.82	-4.62%	46,882,843	+24,615,024	+110.54%
Th 08/22/19	212.46	-.18	-0.08%	22,267,819	+703,072	+3.26%
We 08/21/19	212.64	+2.28	+1.08%	21,564,747	-5,354,782	-19.89%
Tu 08/20/19	210.36	+.01	+0.00%	26,919,529	+2,487,614	+10.18%
Mo 08/19/19	210.35	+3.85	+1.86%	24,431,915	-4,381,709	-15.21%
Fr 08/16/19	206.50	+4.76	+2.36%	28,813,624	+930,261	+3.34%
Th 08/15/19	201.74	-1.01	-0.50%	27,883,363	-8,664,080	-23.71%
We 08/14/19	202.75	-6.22	-2.98%	36,547,443	-10,992,343	-23.12%
Tu 08/13/19	208.97	+8.49	+4.23%	47,539,786	+25,057,897	+111.46%
Mo 08/12/19	200.48	-.51	-0.25%	22,481,889	-2,137,857	-8.68%
Fr 08/09/19	200.99	-2.44	-1.20%	24,619,746	-2,389,777	-8.85%
Th 08/08/19	203.43	+4.39	+2.21%	27,009,523	-6,354,877	-19.05%
We 08/07/19	199.04	+2.04	+1.04%	33,364,400	-2,460,387	-6.87%

Source: Bloomberg

# Bloomberg HCP Function

## How to export a security's historical price data to Excel

The screenshot shows the Bloomberg terminal interface for AAPL US Equity. The top bar displays the current price at 208.74, a change of -0.27, and other market data. Below this, the 'Historical Price with % Chg' section is visible, with the 'Export' button highlighted in yellow. A yellow arrow points from the 'Export' button to the Excel spreadsheet on the right.

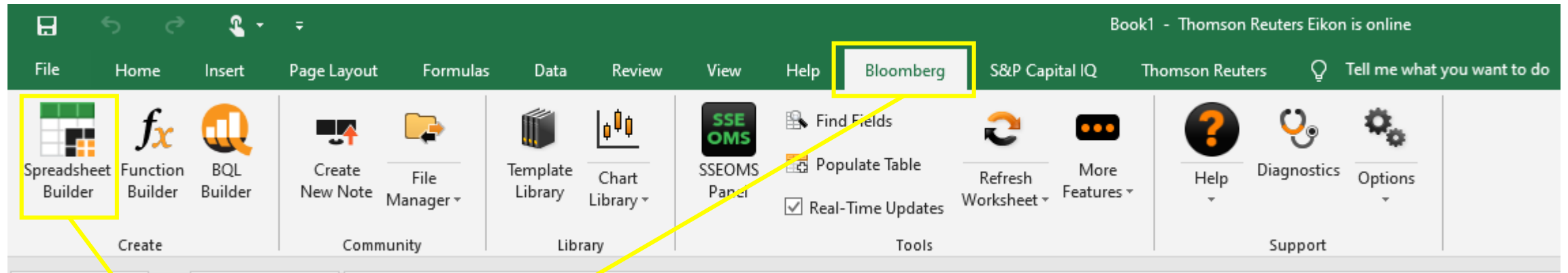
The screenshot shows an Excel spreadsheet with the following data:

Date	PX_LAST	Change	% Change	PX_VOLUME	Change	% Change
8/30/2019	208.74	-0.27	-0.129180422	21162561	154909	0.737393213
8/29/2019	209.01	3.48	1.693183477	21007652	5050020	31.64642473
8/28/2019	205.53	1.37	0.67104232	15957632	-9939712	-38.38120233
8/27/2019	204.16	-2.33	-1.128383941	25897344	-168786	-0.647529956
8/26/2019	206.49	3.85	1.899921042	26066130	-20816713	-44.40155858
8/23/2019	202.64	-9.82	-4.622046503	46882843	24615024	110.5407943
8/22/2019	212.46	-0.18	-0.084650113	22267819	703072	3.260284018
8/21/2019	212.64	2.28	1.083856246	21564747	-5354782	-19.89181163
8/20/2019	210.36	0.01	0.004753981	26919529	2487614	10.18182161
8/19/2019	210.35	3.85	1.86440678	24431915	-4381709	-15.20707357
8/16/2019	206.5	4.76	2.359472588	28813624	930261	3.336258256
8/15/2019	201.74	-1.01	-0.498150432	27883363	-8664080	-23.70639172
8/14/2019	202.75	-6.22	-2.976503804	36547443	-10992343	-23.12240741
8/13/2019	208.97	8.49	4.234836393	47539786	25057897	111.4581475
8/12/2019	200.48	-0.51	-0.253743967	22481889	-2137857	-8.683505508

To export the data to excel click on the export button on top

# How to copy your data from Bloomberg to Excel

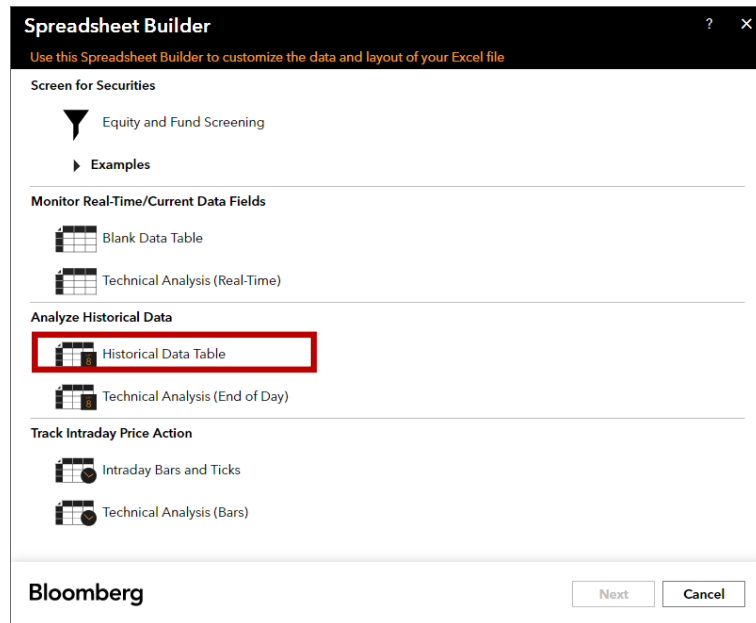
How to use Bloomberg's Excel Ribbon to download data directly into Excel



Select the Bloomberg Ribbon on Excel and then click on **Spreadsheet Builder**

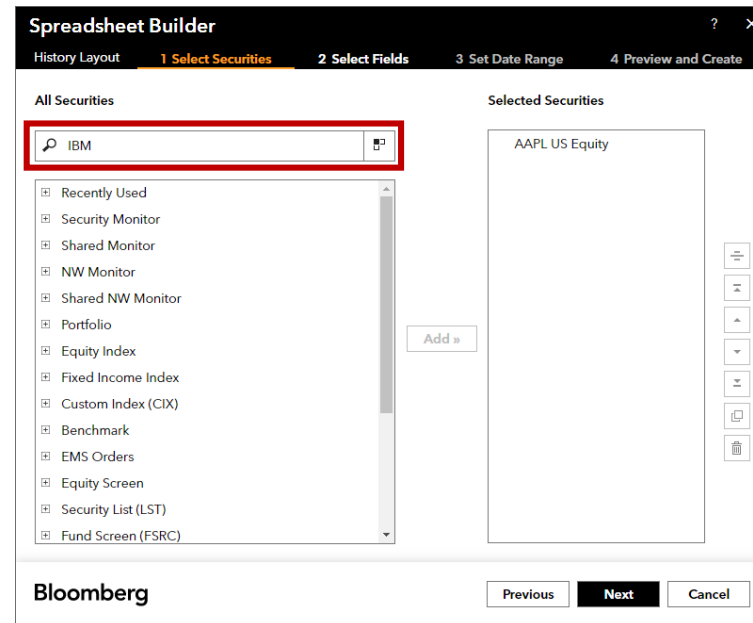
# How to copy your data from Bloomberg to Excel

## How to use Bloomberg's Excel Ribbon to download data directly into Excel



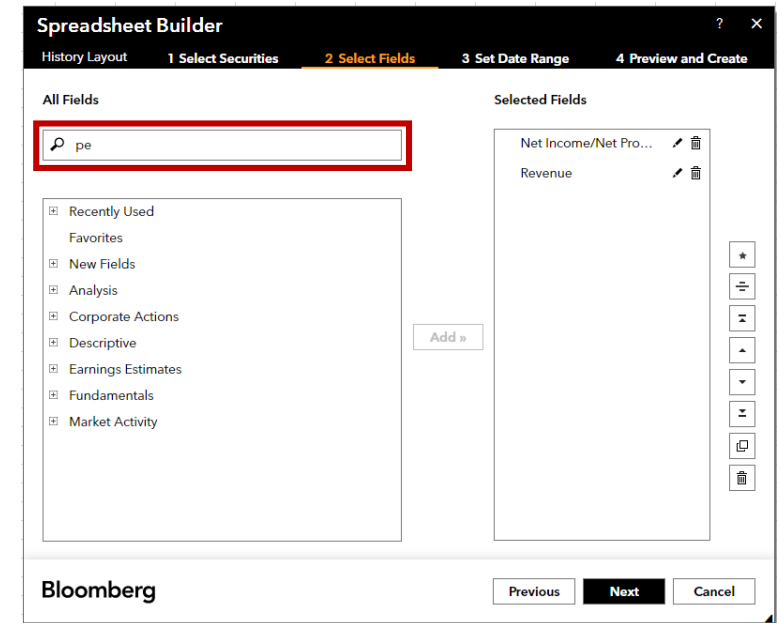
1

After your click on **spreadsheet builder**, chose **Historical Data Table**



2

Search for the securities you want to download from the search bar.



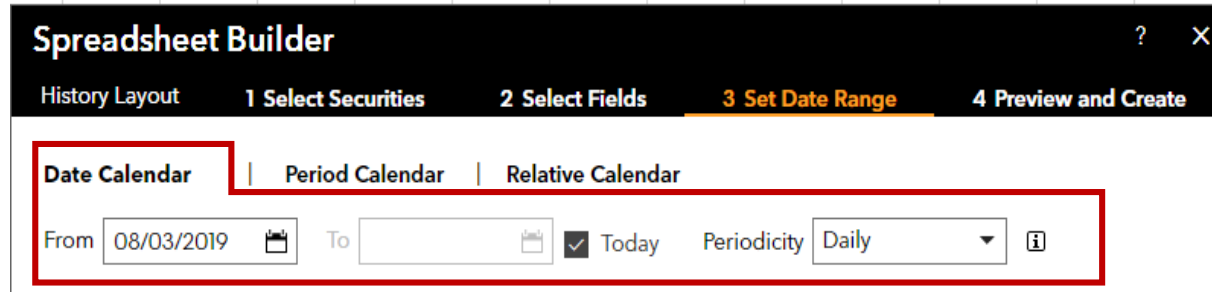
3

Search for or select the fields (i.e.: Net Income, PE etc.) you want to download from the search bar.

# How to copy your data from Bloomberg to Excel

## How to use Bloomberg's Excel Ribbon to download data directly into Excel

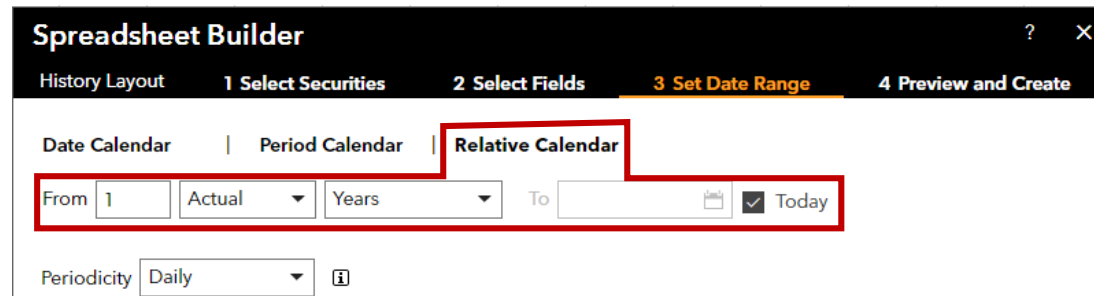
The date calendar allows you to choose specific beginning and ending dates as a range for your data, along with the frequency of the data: Daily, Monthly, Quarterly etc.



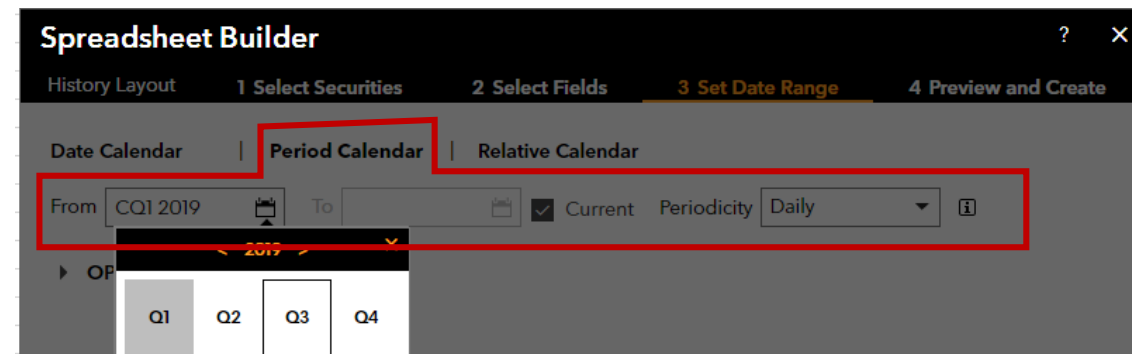
Control your data range and frequency

4

Relative calendar allows you to choose a number of periods (Quarters, Days, Years etc.) to display



Period calendar allows to provide a fiscal/calendar standard quarters/half years beginning and ending periods for you data range.





# How to copy your data from Bloomberg to Excel

## How to use Bloomberg's Excel Ribbon to download data directly into Excel

5

The preview window gives you control on the end result of your data dump allowing you to select the cell where you want to dump your data, transpose axes, display field names, display a single sheet per security if you're downloading data for multiple securities etc.

The screenshot shows the 'Spreadsheet Builder' window with the '4 Preview and Create' tab selected. The main area displays a grid of data with columns A-F and rows 1-18. The data is as follows:

	A	B	C	D	E	F
1	Start Date	Date				
2	End Date					
3						
4		Security				
5		Field Name	Field Name			
6	Dates	Field	Field			
7	Date	Data	Data			
8	Date	Data	Data			
9	Date	Data	Data			
10	Date	Data	Data			
11	Date	Data	Data			
12	Date	Data	Data			
13						
14						
15						
16						
17						
18						

On the right side, there are configuration options:

- Start Cell: A1
- Transpose Axes
- Group by Field
- Single sheet per security
- Show Security
- Show Field Name
- Show Field Mnemonic
- Show Start and End Dates
- Show Date
- Sort:
  - Oldest First
  - Newest First

At the bottom, there are 'Previous', 'Finish', and 'Cancel' buttons, and the Bloomberg logo.

Source: Bloomberg

# How to copy your data from Bloomberg to Excel

How to use Bloomberg's Excel Ribbon to download data directly into Excel

6

Your Bloomberg API query formula loads and displays the data you requested in Excel.

	A	B	C	D
1	Start Date	-1AY		
2	End Date			
3				
4		AAPL US Equity		
5		Net Income/Net Profit (Losses)	Revenue	
6	Dates	NET_INCOME	SALES_REV_TURN	
7	9/28/2018	14125	62900	
8	12/28/2018	19965	84310	
9	3/29/2019	11561	58015	
10	6/28/2019	10044	53809	
11				
12				
13				

# How to copy your data from Bloomberg to Excel

## How to find Excel Fields for your data

APPL US Equity FA Related Functions M

AAPL US \$ Market  
Prev 208.74 Vol 175,6

AAPL US Equity 96) Actions 97) Export

39) ADJ Apple Inc

1) Key Stats 2) I/S 3) B/S 4) C/F 5) Ratios

11) Adj Highlights 12) GAAP Highlights 13) Earnings

In Millions of USD	2018 Q1	2018
3 Months Ending	12/30/2017	03/31/2017
Market Capitalization	859,967.8	829,380.0
- Cash & Equivalents	285,097.0	267,220.0
+ Preferred & Other	0.0	0.0
+ Total Debt	122,400.0	121,840.0
Enterprise Value	697,270.8	683,990.0

Hover over the field you're interested in and a pop out will display the field name and Excel Field ID that you can use in the Selected Fields Page on the Spreadsheet Builder.

In Millions of USD

	2018 Q1	2018
3 Months Ending	12/30/2017	03/31/2017
Market Capitalization	859,967.8	829,380.0
- Cash & Equivalents	285,097.0	267,220.0
+ Preferred & Other	0.0	0.0
+ Total Debt	122,400.0	121,840.0
Enterprise Value	697,270.8	683,990.0
Revenue, Adj	88,293.0	61,100.0
Growth %, YoY	12.7	
Gross Profit, Adj	33,912.0	23,400.0

Another way to get field ids is to right click on the item you're interested in, chose Definition and you will get a pop out with the Excel Field ID.

List of Fields	Field Description
1) Historical Market Cap	Historical Market Cap
2) Cash and Marketable Secur...	Excel Field ID: HISTORICAL_MARKET_CAP
3) Preferred Equity and Minor...	
4) Short and Long Term Debt	Total market value of all of a company's outstanding

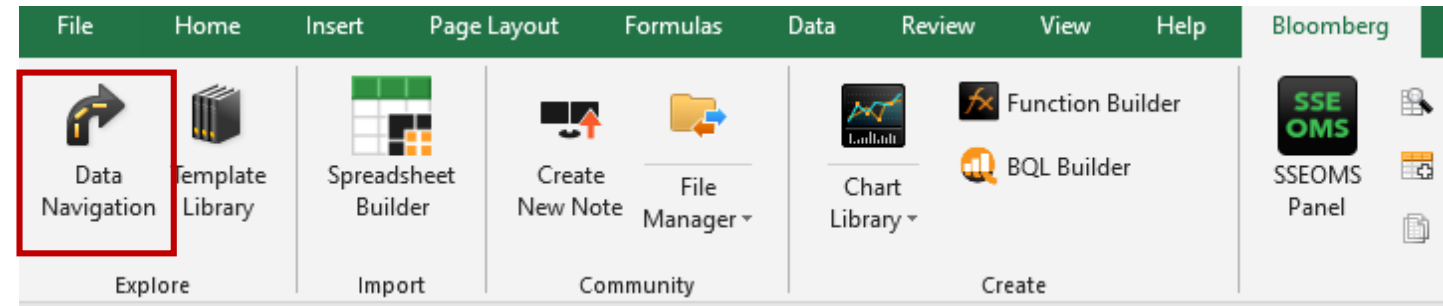
Source: Bloomberg

# How to copy data from Bloomberg to Excel – Method 2

Using the navigation Data Navigation to get data into Excel

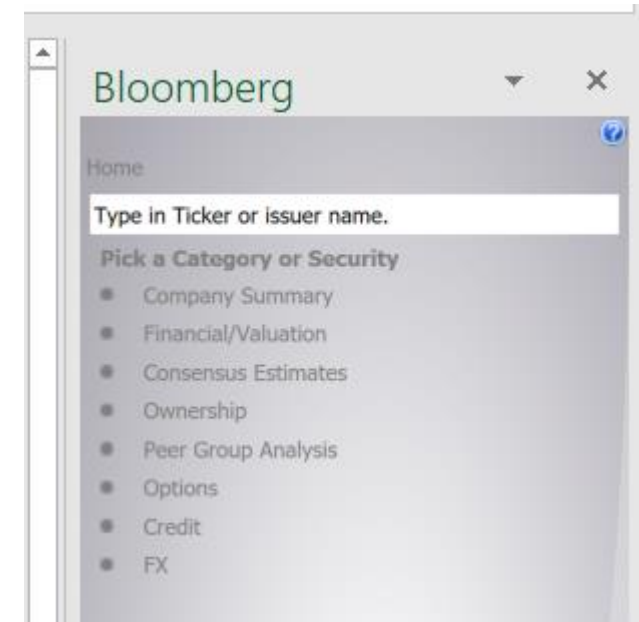
1

On the Bloomberg Ribbon, click on Data Navigation.



2

A data navigation side bar shows Up.



Source: Bloomberg

# How to copy data from Bloomberg to Excel – Method 2

Using the navigation Data Navigation to get data into Excel

Search and select a security for which you want data. Navigate to the category of data you want: Summary, Financial (IS/BS/CF) etc. In our this case, we pick the **Financial/Valuation** category and chose **Income Statement**

The screenshot shows the Bloomberg terminal interface. On the left, a list of search results is displayed, with the first row highlighted in red: AAPL US Equity Apple Inc (U.S.). On the right, a 'Pick a Category or Security' menu is open, listing various data categories such as Company Summary, Financial/Valuation, Consensus Estimates, Ownership, Peer Group Analysis, Options, Credit, and FX. The 'Financial/Valuation' category is highlighted in red.

The screenshot shows the Bloomberg terminal interface displaying the Income Statement for Apple Inc (U.S.) for FY1 2018 and FY1 2017. The table below shows the data for the most recent fundamentals.

	FY1 2018	FY1 2017
Period End Date	20180929	20170929
Revenue	265,595.00	229,234.00
Sales & Services Rev...	265,595.00	229,234.00
Cost of Revenue	163,756.00	141,048.00
Cost of Goods & Ser...	163,756.00	141,048.00
Gross Profit	101,839.00	88,186.00
Other Operating Inc...	.00	.00
Operating Expenses	30,941.00	26,842.00
Selling, General & A...	16,705.00	15,261.00
Research & Develop...	14,236.00	11,581.00
Other Operating Exp...	.00	.00
Operating Income (L...	70,898.00	61,344.00
Non-Operating (Inco...	-2005.00	-2745.00
Interest Expense, Net	-2446.00	-2878.00
Interest Expense	3,240.00	2,323.00
Interest Income	5,686.00	5,201.00
Foreign Exch (Gain)...	.00	.00
Other Non-Op (Inco...	441.00	133.00
Pretax Income	72,903.00	64,089.00

Source: Bloomberg

# How to copy data from Bloomberg to Excel – Method 2

Using the navigation Data Navigation to get data into Excel

Click on the highlighted icon to change period range, currency, frequency of the data etc.

The screenshot shows the Bloomberg terminal interface for Apple Inc (U.S.) with the following settings and data:

**Income Statement**  
**Most Recent - Fundamentals**

Number Of Periods: 5  
Type: Fiscal Annual  
Filing: Most Recent  
Consolidation: Default  
Sort: Descend  
Currency: Default  
Data Type: Fundamentals

	FY1 2018	FY1 2017
Period End Date	20180929	20170929
Revenue	265,595.00	229,234
Sales & Services Rev...	265,595.00	229,234
Cost of Revenue	163,756.00	141,048
Cost of Goods & Ser...	163,756.00	141,048
Gross Profit	101,839.00	88,186

Related Bloomberg Functions

Source: Bloomberg

# How to copy data from Bloomberg to Excel – Method 2

## Using the navigation Data Navigation to get data into Excel

Click and hold the highlighted icon and drag the selection to your cell of choice and release and your data will be loaded into the worksheet.

	A	B	C	D	E	F	G
1	AAPL US Equity						
2							
3	Income Statement - Most Recent - Fundamentals						
4							
5		FY1 2018	FY1 2017	FY1 2016	FY1 2015	FY1 2014	
6	Period End Date	20180929	20170930	20160924	20150926	20140927	
7	Revenue	265595	229234	215639	233715	182795	
8	Sales & Services Revenue	265595	229234	215639	233715	182795	
9	Cost of Revenue	163756	141048	131376	140089	112258	
10	Cost of Goods & Services	163756	141048	131376	140089	112258	
11	Gross Profit	101839	88186	84263	93626	70537	
12	Other Operating Income	0	0	0	0	0	
13	Operating Expenses	30941	26842	24239	22396	18034	
14	Selling, General & Admin	16705	15261	14194	14329	11993	
15	Research & Development	14236	11581	10045	8067	6041	
16	Other Operating Expense	0	0	0	0	0	
17	Operating Income (Loss)	70898	61344	60024	71230	52503	
18	Non-Operating (Income) Loss	-2005	-2745	-1348	-1285	-980	
19	Interest Expense, Net	-2446	-2878	-2543	-2188	-1411	
20	Interest Expense	3240	2323	1456	733	384	
21	Interest Income	5686	5201	3999	2921	1795	
22	Foreign Exch (Gain) Loss	0	0	0	0	0	
23	Other Non-Op (Income) Loss	441	133	1195	903	431	
24	Pretax Income	72903	64089	61372	72515	53483	
25	Income Tax Expense (Benefit)	13372	15738	15685	19121	13973	
26	Current Income Tax	45962	9772	10747	17739	11626	
27	Deferred Income Tax	-32590	5966	4938	1382	2347	
28	Income (Loss) from Cont Ops	59531	48351	45687	53394	39510	
29	Net Extraordinary Losses (Gains)	0	0	0	0	0	
30	Discontinued Operations	0	0	0	0	0	
31	XO & Accounting Changes	0	0	0	0	0	
32	Income (Loss) Incl. MI	59531	48351	45687	53394	39510	
33	Minority Interest	0	0	0	0	0	
34	Net Income, GAAP	59531	48351	45687	53394	39510	
35	Preferred Dividends	0	0	0	0	0	
36	Other Adjustments	0	0	0	0	0	
37	Net Income Avail to Common, GAAP	59531	48351	45687	53394	39510	
38	Net Abnormal Losses (Gains)	-202.24	-480.35	-299.65	59.15	133.25	
39	Basic Weighted Avg Shares	4955.377	5217.242	5470.82	5753.421	6085.572	
40	Basic EPS, GAAP	12.01	9.27	8.35	9.28	6.49	

**Bloomberg**

**Apple Inc (U.S.)**  
AAPL US Equity

Home > Financial/Valuation > Income Statement

Type in Ticker or issuer name.

**Income Statement**  
Most Recent - Fundamentals

	FY1 2018	FY1 2017
Period End Date	20180929	20170930
Revenue	265,595.00	229,234
Sales & Services Rev...	265,595.00	229,234
Cost of Revenue	163,756.00	141,048
Cost of Goods & Ser...	163,756.00	141,048
Gross Profit	101,839.00	88,186
Other Operating Inc...	.00	
Operating Expenses	30,941.00	26,842
Selling, General & A...	16,705.00	15,261
Research & Develop...	14,236.00	11,581
Other Operating Exp...	.00	
Operating Income (L...	70,898.00	61,344
Non-Operating (Inc...	-2,005.00	-2,745
Interest Expense, Net	-2,446.00	-2,878
Interest Expense	3,240.00	2,323
Interest Income	5,686.00	5,201
Foreign Exch (Gain)...	.00	
Other Non-Op (Inco...	441.00	133
Pretax Income	72,903.00	64,089

Related Bloomberg Functions

Source: Bloomberg

# Some other useful Bloomberg functions



# Bloomberg ECST function

Display country macroeconomic indicators: inflation, GDP growth, interest rates...

The screenshot shows the Bloomberg ECST interface for Qatar. The main menu includes '90<Go> to Export', '91) Search', '92) Settings', and 'World Economic Statistics'. The search filters are set to 'Qatar', 'Range: Q4 2018 - Q1 2019', 'Source: Qatar Ministry of Development Plan', and 'Transformation: QoQ% NSA'. The data table displays the following indicators:

	Ticker	Q1 2019	Q4 2018
-Gross Domestic Product	QADPTOTQ ...	-6.6	0.4
-Household Consumption Expenditure	QADPHCEQ ...	--	--
-Government Final Consumption Expe...	QADPGFCQ ...	--	--
-Gross Capital Formation	QADPGCFQ ...	--	--
-Exports of Goods and Services	QADPEGSQ ...	--	--
-Imports of Goods and Services	QADPIGSQ I...	--	--

Source: Bloomberg

# Bloomberg ECO function

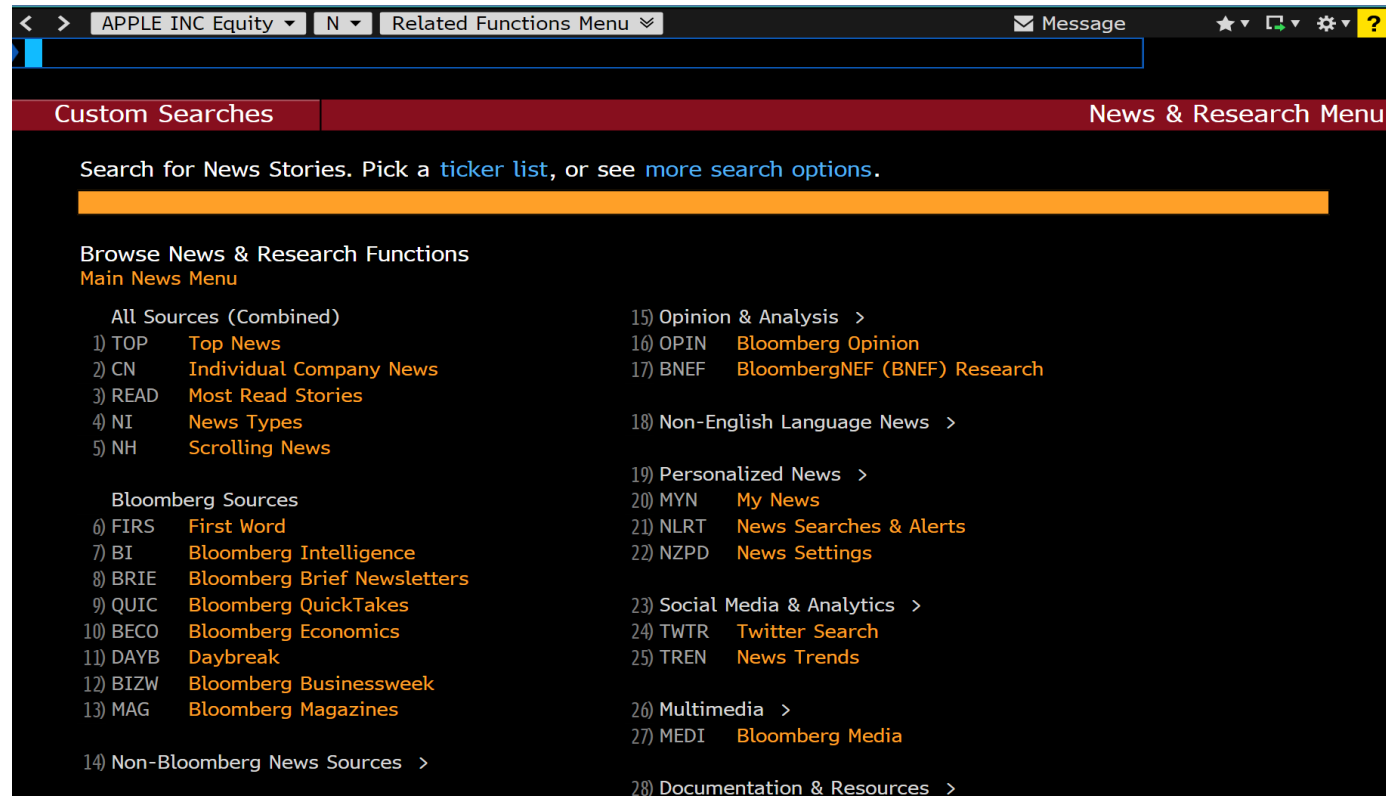
Display a calendar of announced and upcoming macro indicators for a country

	Date	Time	A	M	R	Event	Period	Surv(M)	Actual	Prior	Revised
21)	09/05	14:30				Challenger Job Cuts YoY	Aug	--	--	43.2%	--
22)	09/05	15:15				ADP Employment Change	Aug	148k	--	156k	--
23)	09/05	15:30				Nonfarm Productivity	2Q F	2.2%	--	2.3%	--
24)	09/05	15:30				Unit Labor Costs	2Q F	2.4%	--	2.4%	--
25)	09/05	15:30				Initial Jobless Claims	Aug 31	215k	--	215k	--
26)	09/05	15:30				Continuing Claims	Aug 24	1688k	--	1698k	--
27)	09/05	16:45				Bloomberg Consumer Comfort	Sep 1	--	--	62.5	--
28)	09/05	16:45				Markit US Services PMI	Aug F	50.9	--	50.9	--
29)	09/05	16:45				Markit US Composite PMI	Aug F	--	--	50.9	--
30)	09/05	17:00				Factory Orders	Jul	1.0%	--	0.6%	--
31)	09/05	17:00				Factory Orders Ex Trans	Jul	--	--	0.1%	--
32)	09/05	17:00				Durable Goods Orders	Jul F	2.1%	--	2.1%	--
33)	09/05	17:00				Durables Ex Transportation	Jul F	-0.4%	--	-0.4%	--
34)	09/05	17:00				Cap Goods Orders Nondef Ex...	Jul F	--	--	0.4%	--
35)	09/05	17:00				Cap Goods Ship Nondef Ex Air	Jul F	--	--	-0.7%	--

Source: Bloomberg

# Bloomberg N function

Display a high level overview of the news and research available on Bloomberg



Source: Bloomberg

# Bloomberg TOP function

Display the top news stories for the day

APPLE INC Equity | TOP | Related Functions Menu | Message

All Stories | Pages | Custom Searches | Translate | Top News

<Narrow> | Pause

Top Stories Selected By Bloomberg | More »

- 1) Johnson's Brother Quits Over Government Strategy: Brexit Update BN 13:56
- 2) China, U.S. to Hold Trade Talks in October as Mistrust Remains BN 12:16
- 3) Stocks Extend Gains as Trade Talks Set; Bonds Drop: Markets Wrap BN 13:28
- 4) Draghi Faces Biggest-Ever Pushback as ECB's Core Resists QE BN 13:01

Featured Stories | 1 of 3 | More »

- 5) Pound Stays Perky as Johnson's Brother Quits as MP: Markets Live BN 13:48
- 6) Hong Kong Stocks Drop as Futures Halted, Protests to Continue BN 11:15
- 7) Casino's Boss Gets Help From Duo That Failed to Buy Metro BN 12:14
- 8) Europe Bond Sales to Blast Past 1 Trillion Euros in Record Time BN 13:37
- 9) JPMorgan Says Abu Dhabi May Help Aabar Pay Debt to Avoid Fallout BN 13:20
- 10) Korean-Led Group in Talks for \$1.4 Billion Brussels Skyscraper BN 13:05
- 11) London Banker's Arrest Sparks 6-Year Fight With Citi, Tax Agency BN 14:05
- 12) No One 'Wins a Trade War' Warn Tech Leaders Caught in Crossfire BN 12:55
- 13) Europe's Executives Rule Out M&A as Political Storms Rage BN 02:01
- 14) China Suspects Merkel Is Heading to Beijing to Do Trump's Work BN 06:59
- 15) Canaries in U.S. Labor Market Warn of Potential Weakness Ahead BN 12:00

Opinion & Analysis | 1 of 3 | More »

- 16) Boris Johnson Has Badly Miscalculated His First Moves: Editorial BBO 07:01
- 17) Weaker Dollar Means the World Feels a Little Safer: John Authers BBO 07:01
- 18) Czech Billionaire Buys His Groceries in Paris: Andrea Felsted BBO 13:27
- 19) Are Republicans Ready to Respond to a Recession?: Karl W. Smith BBO 14:00
- 20) Barclays May Take Scandal Costs Beyond \$55 Billion: Intelligence BI 12:02
- 21) European Slump Risks Growth of SAP, Other Techs: Intelligence BI 09:33

Scroll Down For:  Deals  Finance  Eco & Gov  Tech  Sports

Spotlight | More »

Italy Economy's Positive Signs

First Word | More »

BELLUS Health Offering Prices  
9.86m Shares at \$7.10/Share  
[14:07]

Mallinckrodt Mulls  
Restructuring: N.A. Health Pre-  
Market [14:07]

Sterling's Short-Squeeze  
Ultimate Target Is \$1.25,  
Charts Show [14:07]

GMS Offering by Holder Prices  
6.83m Shares at \$27.20/Share  
[13:57]

Source: Bloomberg

# Bloomberg DAYB function

Displays the most important information to know for the day



Source: Bloomberg

# Bloomberg WSJ function

Access the Wall Street Journal articles from the terminal



The screenshot displays the Bloomberg terminal interface. At the top, there are navigation tabs for 'APPLE INC Equity', 'WSJ', and 'Related Functions Menu'. A 'Message' icon is visible on the right. Below the navigation is a search bar. The main content area is titled 'Wall Street Journal News' and is divided into sections: 'Front Page', 'Business', and 'U.S. News'. Each section contains a list of news items with their respective timestamps.

Section	Rank	Article Title	Source	Time
Front Page	1)	Companies Embrace Cheap Debt	WSJ	09:13
	2)	The Toxic Online World Where Mass Shooters Thrive	WSJ	09:12
	3)	U.S. Banks' Influence Grows In Global Financial System	WSJ	09:13
	4)	Hong Kong's Leader Yields to Protesters	WSJ	09:13
	5)	Stop That Burger! I'm Still Thinking	WSJ	09:13
Business	6)	Goldman Sachs Culls Its Partner Ranks	WSJ	09:12
	7)	A Link Surfaces in Market's Crosscurrents	WSJ	09:11
	8)	Investors Punish Slack After First Earnings Report	WSJ	09:12
U.S. News	9)	France Teaches a Lesson in Free Markets	WSJ	09:13
	10)	China Trade Talks To Resume In October	WSJ	09:14
	11)	Coal's Troubles Rock Wyoming	WSJ	09:07

Source: Bloomberg

# Bloomberg BI function

For finding data and statistics for industries and markets

The screenshot displays the Bloomberg BI interface for 'APPLE INC Equity'. The top navigation bar includes 'Actions', 'Events & Chatrooms', 'Settings', and 'Bloomberg Intelligence'. A search bar is present with 'Popular Searches' for 'China, Aapl Us Equity, Real Estate'. The left sidebar offers navigation options like 'Browse All of BI' (Industries, Strategy, BI Products) and 'My BI' (Select Dashboards and Data). The main content area is divided into 'Featured Research' (listing articles like 'European Equities on Sugar Highs') and 'Suggested BI' (listing key data updates like 'Portugal Outstanding Mortgage Lending'). A 'Spotlight' section features a table of 'MSCI EU Sector Returns 2019'.

Sectors	BP P/E Ratio	Rating	BP EPS	Dividend	Total
	01/01/19	30/09/19	(Derating) %	YTD Chg %	Return %
Cons. Stpt	16.1	18.7	16.1	7.6	2.9
Technology	16.4	19.6	19.1	2.0	1.3
Utilities	15.2	14.9	12.7	4.2	5.3
HealthCare	14.8	16.2	9.4	8.3	3.3
Industrials	13.5	15.9	17.6	0.7	3.0
Cons. Disc	10.1	12.7	20.1	-0.7	3.2
Materials	11.4	12.8	12.8	-4.6	4.2
Financials	8.6	8.9	4.0	-3.3	4.7
Com. Svc.	12.9	14.0	7.3	-5.6	3.2
Energy	10.0	10.2	2.3	-3.5	3.9
MSCI	11.8	13.4	13.3	-0.8	3.6

Source: Bloomberg

# Bloomberg IPO function

Information on Initial Public Offerings – Useful for precedent transactions/comps

APPLE INC Equity | IPO | Related Functions Menu | Message

<Back> to Return

Search | 95) Advanced Search | 96) Actions | 97) Settings | Equity Offerings

IPO  Addl  Rights | Announced | Last 12 Months | Deals 7,201 | Currency QAR | 14:17:35

Click on any stage, region, or industry to filter by that criteria.

1) Overview | 2) Breakdown | 3) Advisers | 4) Deal List | 5) Time Series | 6) Calendar

Offer Stage			Geographic Breakdown			Industry Breakdown		
Stage	Value	Count	Region	Value	Perf. (%)	Industry	Value	Perf. (%)
Announced	--	7,201	Global	--	9.5 ↑	All	--	9.5 ↑
11) Pending	--	1,881	21) Asia	--	--	51) Utilities	--	16.2 ↑
12) Priced	--	5,642	22) Europe	--	--	52) Technology	--	30.2 ↑
13) Trading	--	5,078	23) Middle East & Africa	--	7.7 ↑	53) Industrial	--	14.8 ↑
14) Postponed	--	29	24) Latin America & Car...	--	18.7 ↑	54) Financial	--	5.5 ↑
15) Withdrn/Rej	--	213	25) North America	--	9.0 ↑	55) Energy	--	1.3 ↑
16) Upcoming	--	52				56) Diversified	--	3.2 ↑

Top Deals		Sort by							
	Announced	Issuer Name	Size (M)	Type	S	Offer Price	Last Close	Perf. (%)	Last Price
101)	11/12/2018	Softbank Corp	77,189.10	IPO	T	1,500.00	1,506.50	--	1,506.50
102)	06/17/2019	Budweiser Brewing Co APAC Ltd	35,720.48	IPO	W	--	--	--	--
103)	04/11/2019	Uber Technologies Inc	29,607.93	IPO	T	45.00	31.99	-28.9	31.99
104)	09/17/2018	Knorr-Bremse AG	16,468.54	IPO	T	80.00	85.17	6.5	--
105)	09/10/2018	Yahoo Japan Corp	15,894.94	ADDL	T	354.00	286.00	-20.6	286.00
106)	09/17/2018	Huaxia Bank Co Ltd	15,554.58	ADDL	T	11.40	7.47	-35.0	7.47
107)	03/28/2019	AstraZeneca PLC	12,844.22	ADDL	T	6,050.00	7,391.00	22.2	--
108)	02/08/2019	Avantor Inc	12,179.35	IPO	T	14.00	17.24	23.1	17.24
109)	04/04/2019	Japan Post Insurance Co Ltd	10,647.15	ADDL	T	2,375.00	1,531.00	-36.5	1,531.00
110)	06/24/2019	VICI Properties Inc	9,049.35	ADDL	T	21.50	22.18	3.2	22.18

Source: Bloomberg



# Bloomberg MA function

Information on mergers and acquisition deals activity - Useful for precedent transactions/comps

The screenshot displays the Bloomberg MA function interface for 'APPLE INC Equity'. The main menu includes 'Mergers & Acquisitions' with filters for M&A, Investment, and Other. The date range is set to 'Year-to-Date' and the currency is 'USD'. There are 31,710 deals in total.

**Deal Status Breakdown**

Current Status	Value	Count
All	3.8T	31,710
1) Pending	1.5T	8,257
12) Completed	1.0T	21,426
13) Terminated	75.2B	127
14) Proposed	1.1T	1,780
15) Withdrawn	91.5B	120

**Geographic Breakdown**

Target Region	Value	YoY(%)
All	3.8T	-5.5 ↓
21) North America	2.0T	-2.1 ↓
22) Europe	832.2B	-15.1 ↓
23) Asia Pacific	697.1B	-17.5 ↓
24) Middle East & Africa	154.6B	152.4 ↑
25) LATAM & Caribbean	112.7B	14.6 ↑

**Industry Breakdown**

Target Industry	Value	YoY(%)
All	3.8T	-5.5 ↓
51) Consumer Ncycl	846.3B	-3.4 ↓
52) Financial	695.7B	-17.6 ↓
53) Industrial	435.6B	51.4 ↑
54) Communications	426.8B	-13.6 ↓
55) Consumer Cycl	398.1B	-5.1 ↓

**Deal List** (Sort by Recent)

M	Type	Ann Date	Target	Acquirer	Value	Payment Type	Status
101)	M&A	09/05/19	Assurance IQ Inc	Prudential Financial Inc	2.4B	Cash	Pending
102)	M&A	09/05/19	AXA Affin General Insurance B...	Potential Buyer	650.0M	Undisclosed	Proposed
103)	M&A	09/05/19	Portfolio of 3 office buildings/...	Credit Suisse Asset Managemen...	235.9M	Cash	Completed
104)	M&A	09/05/19	Property 15 Bonhill St/London	Mayfair Capital Investment Ma...	138.1M	Cash	Completed
105)	INV	09/05/19	Renke interactive Beijing Infor...	Tencent Holdings Ltd	120.0M	Cash	Completed
106)	INV	09/05/19	Nikola Corp	Multiple acquirers	100.0M	Cash	Proposed
107)	M&A	09/05/19	One Tower Bridge developmen...	Redevco Nederland BV	86.1M	Cash	Completed
108)	M&A	09/05/19	Rhumantilles SAS	Davide Campari-Milano SpA	66.3M	Undisclosed	Pending
109)	INV	09/05/19	CXA Group Pte Ltd	Potential Buyer	50.0M	Cash	Proposed
110)	INV	09/05/19	ISTAR Medical SA	Multiple acquirers	44.2M	Cash	Completed
111)	INV	09/05/19	HS Vital Co Ltd	Korea Particle Therapy Cancer...	41.8M	Cash	Pending

Source: Bloomberg

# Bloomberg EQS function

To screen companies that meet certain criteria

1 <G0> for Results, 89 <G0> to see last unsaved screen

97) Formula    98) Actions    99) Backtest    **Equity Screening**

My Recent Screens    As Of 09/05/2019

11) GCC Banks    **Screening Criteria**

12) Middle P/FCF Top YT...    31) Exchanges    32) Sectors    33) Country of Domicile

20) All Saved Screens    34) Indices    35) Portfolios/Monitors    45) More Categories

**Popular Screens**

21) Global Infrastructure

22) High CDS Spreads

23) Insider Buyers

24) Quality Screen

25) SZSE SEHK Northbou...

26) Value Screen

30) More Screens

**Add Criteria**

3) Fields

Selected Screening Criteria	Matches	
Security Universe	1209280	
51) Trading Status: Active	425665	⊗
52) Security Attributes: Show Primary Security of company only	91622	⊗
53) Add screening criteria		

1) See Results | WATC »

Source: Bloomberg

# Bloomberg EVTS function

Track upcoming company events, earnings calls, earnings releases etc.

The screenshot shows the Bloomberg EVTS function interface for Apple Inc. Equity. The search criteria are set to 'United States X' and 'Earnings Rel... X'. The interface displays a list of 15 events, with the following data extracted from the table:

Ticker	Date	Time	Period	Actual	Estimate	Surprise	Guidance
1) STKR US	09/06/19	09:00	S1 19	0.00*	--	--	--
2) MMB US	09/06/19		Q2 19	-0.15*	--	--	--
3) 1714571D US	09/06/19		Q2 19	-0.01*	--	--	--
4) GCO US	09/06/19	13:50	Q2 20	0.15	-0.004	3850.0	--
5) BMS US	09/06/19		Q2 19	--	0.736	--	--
6) SXCP US	09/06/19		Q2 19	--	0.360	--	--
7) DDE US	09/06/19		Q2 19	--	--	--	--
8) UWN US	09/06/19		Q4 19	--	--	--	--
9) ELLI US	09/06/19		Q2 19	--	0.555	--	--
10) 4816Z US	09/06/19		Q2 19	--	--	--	--
11) 623426Z US	09/06/19		Q2 19	--	--	--	--
12) USG US	09/06/19		Q2 19	--	0.540	--	--
13) CLDPQ US	09/06/19		Q2 19	--	--	--	--
14) SHRC US	09/06/19		Q2 19	--	--	--	--
15) DIMC US	09/06/19		Q2 19	--	--	--	--

Source: Bloomberg

# Bloomberg ETF function

To find information on ETFs performance, flows, costs etc.

The screenshot shows the Bloomberg terminal interface for searching ETFs. The search criteria are: Fund Type: All, Asset Class: Equity, Exchange: United States. The results table lists 25 ETFs, including SPY, IVV, VOO, VTI, QQQ, VEA, IEFA, VWO, EFA, IEMG, VTV, IJH, IWV, IJR, and VUG. The table columns include Ticker, 30D Vol, Class Assets (MLN USD), Fund Assets (MLN USD), YTD Return, YTD Class Flow (MLN USD), 12M Yield, # of Holdings, Primary Share, and Secondary Listing.

Ticker	30D Vol	Class Assets (MLN USD)	Fund Assets (MLN USD)	YTD Return	YTD Class Flow (MLN USD)	12M Yield	# of Holdings	Primary Share	Secondar... Listing
Median	15.47k	85.54	82.77	+12.56%	.01	+1.97%	100		
1) SPY	US 83.15M	262,271.00	262,271.00	+18.74%	-18,356.00	+1.84%	505	Y	N
12) IVV	US 4.54M	182,933.00	182,933.00	+18.74%	+7,505.98	+1.58%	506	Y	N
13) VOO	US 3.20M	119,532.00	119,532.00	+18.74%	+12,762.00	+1.98%	514	Y	N
14) VTI	US 2.95M	118,620.00	118,620.00	+18.33%	+7,594.54	+1.84%	3,585	Y	N
15) QQQ	US 33.74M	73,089.50	73,089.50	+22.58%	-1,263.72	+0.79%	103	Y	N
16) VEA	US 9.62M	71,153.00	71,153.00	+10.83%	+359.66	+2.88%	3,935	Y	N
17) IEFA	US 8.35M	63,692.00	63,692.00	+11.07%	+7,086.84	+3.25%	2,472	Y	N
18) VWO	US 12.23M	61,230.90	61,230.90	+8.16%	+2,300.53	+2.68%	4,129	Y	N
19) EFA	US 28.47M	58,020.20	58,020.20	+11.19%	-9,486.12	+3.15%	1,134	Y	N
20) IEMG	US 16.35M	53,373.30	53,373.30	+4.55%	+2,759.93	+2.77%	2,363	Y	N
21) VTV	US 1.11M	48,401.40	48,401.40	+12.93%	+2,094.47	+2.63%	353	Y	N
22) IJH	US 1.03M	48,159.90	48,159.90	+14.29%	+845.77	+1.53%	400	Y	N
23) IWV	US 1.29M	45,134.80	45,134.80	+23.14%	-2,034.04	+0.79%	526	Y	N
24) IJR	US 3.82M	42,608.00	42,608.00	+9.35%	+2,068.64	+1.49%	601	Y	N
25) VUG	US 710.93k	41,764.10	41,764.10	+24.86%	+1,376.48	+1.10%	300	Y	N

Source: Bloomberg

# How to find help and documentation for unfamiliar functions

Knowing how to learn about new functions on your own is important

The screenshot shows the Bloomberg terminal interface for AAPL US Equity. The top right corner features a yellow question mark icon in a dropdown menu. The menu options are: "Take a Tour of EE" (highlighted in yellow), "Launch Help Page", "Contact help desk", and "Request Training". The main screen displays financial data for AAPL US Equity, including price (P211.63 / 211.80P), volume (Vol 34,515), and various financial metrics like P/E ratios and target price.

AAPL US Equity		97) Actions		Ear	
1) Earnings History   ERN »	2) Consensus Overview   EEO »	3) Analyst			
Next Announcement (E) 10/31/19	Trailing 12M P/E 17.81	Buy/Hold/Sell			23/21/5
Prior Announcement 07/30/19	Forward 12M P/E 16.78	Current Price			209.19
Avg/Implied 1 Day Move 4.71% / 4.27%	Est. LTG (EPS) 10.50%	Target Price			219.08
4) Consensus Overview   EEO »	21) Current Period Overview (Q4/19)	22) Prior Period Analysis (Q3/19)			

If you are not familiar with how to use a certain Bloomberg function, your best bet is to read the help page/documentation for that function.

To access help for a function, in the case above for example **EE (Earnings Estimates)**, click on the highlighted Question Mark icon on the top-right of your screen. Some functions have "Take a Tour of" which is a short highlight of key functionality of that function. For a more comprehensive help and documentation, click on Launch Help Page.

# How to find help and documentation for unfamiliar functions

Knowing how to learn about new functions on your own is important

After clicking on **Launch Help Page**, a launchpad opens with the full documentation on how to use the function.



Source: Bloomberg

# A final review

Let's review what we covered today

---

- Use the top **command bar** to search for **securities**
- To find financial statements/ratios, use the **FA GO** function
- To find company filings (10-K, 10-Q), use **CF GO** function
- To find historical price and percentage change for a stock use **HCP GO** function
- To graph the price of a security, use **GP GO** function
- Use the **Spreadsheet Builder** menu from Bloomberg Excel API to download fundamentals/prices directly into excel
- If you get lost, use the **related functions menu** from the top bar to navigate within Bloomberg
- Click on the ? On the top right of the window to find help for a **function**