Introduction to Bloomberg

70-428 Financial Statements Analysis

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Agenda

What we will be covering today

- 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



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

APPLE INC Equity •	MENU 🔻 Related Funct	ons Nenu ∀	ì	Message	★፣ ⊑፣ ☆፣ ?፣
<back> to Return</back>	1				
New for y Sign up alerts fo NSUE	vs alerts our mar for daily updates r a specific asset	ket. s and breaking no class or region.	ews	LEARN	MORE
	You are logged Your Sales Rep	in as: ANAS FARAH · resentative and Acco	+974-55-078-8 ount Manager is	15 ::	
Performed Parallel Help Desk For functionality	y questions	REQUEST TRAINING For functionality trai	ning	CONTACT US For general in	quiries
The BLOOMBERG TERMINAL service and Bermuda, China, India, Japan, Korea a Singapore office, where a subsidiary o information herein came from reliable	data products are owned and distribute nd New Zealand, where Bloomberg L.P. of BFLP distributes these products. BLP sources, but do not guarantee its accu	d by Bloomberg Finance L.P. (BFLP) exc and its subsidiaries (BLP) distribute the yrovides BFLP and its subsidiaries with g acy. No information or opinions herein (cept (i) in Argentina, Australi se products, and (ii) in Singa global marketing and operatio constitutes a solicitation of th	a and certain jurisdiction apore and the jurisdiction onal support and service. he purchase or sale of sa	is in the Pacific islands, is serviced by Bloomberg's . BFLP and BLP believe the ecurities or commodities.
S/N 333052-1				:	SID 4057062-1
Suggested Functions	HDS Find the holders infl	uencing price	MOST See toda	y's most active s	stocks

Bloomberg Overview & Navigation

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





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

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.

< > APPLE INC Equity ▼ MAIN ▼ Related Functions Menu ≫ Message <Cancel> X A Main Menu of Bloomberg Functions **Professional Applications** Markets 17) Portfolio Management & Risk > 1) Sovereign > 18) Pricing & Risk Solutions > 2) Credit > 19) Order Management Systems > 3) Mortgages > 4) Money Markets > 20) Elec Trading & Order Routing > 21) Bloomberg STP > 5) Municipals > Tradebook > 6) Preferreds > 23) Bloomberg Law > 7) Equities > 24) Bloomberg Government > 8) Commodities > 9) Indices > 10) Currencies > 25) Regions & Countries > 11) Derivatives & Structured Notes > Platforms 26) Launchpad - Custom Desktop > 12) Communication & Community > 13) News & Research > 27) Bloomberg Data & Excel > 14) Economic Analysis > 28) Bloomberg on Mobile > 15) Help & Customer Support > 29) Settings & Utilities > 16) About Bloomberg > MenuId: 5414

Bloomberg Markets

Your courses place focus on equities



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 Overview

We will focus on the ones highlighted below

🔒 Mai	n Menu (of Bloomberg Functions > Eq	uities > Analyz	e AF	PPLE IN	C Equity
_1) Comp	any Overview >	_	17)	Charti	ng & Reporting >
2) DES	Security Description		18)	GP	Line Chart
3) MFID	MiFID Descriptive Data		19)	GF	Graph Fundamentals
7) CF	Company Filings		20)	CMAP	Company Map
7 5) CN	Individual Company News				
				21)	Securi	ity Surveillance >
6) Comp	any Analysis >		22)	EVT	Company Events
7) FA	Financial Analysis		23)	BQ	Bloomberg Quote
8) OWN	Ownership Summary				
9) CRPR	Credit Rating Profile		24)	Trade	Analytics >
				25)	IOIA	IOI & Advert Overview
10	Resea	rch & Estimates >		26)	MDM	Market Depth Monitor
11) EE	Earnings & Estimates	▼	27)	VWAP	Price and Vol Dashboard
12) BRC	Research Portal: Single Se	5	28)	RANK	Broker Rankings
13) BICO	BI Company Primer		29)	ТР	Trading Performance
				30)	VENU	Venue Analytics
14) Comp	arative Analytics >				
15) EQRV	Equity Relative Valuation		31)	Deriva	atives >
16) RV	Relative Valuation	▼	32)	OMON	Option Monitor
						MenuId: 645

7	1)	CHAR	Charts Homepage		16)	Price	Tables >
	2)	TECH	Technical Study Browser		.7)	HP	Historical Price Table
7	3)	G	My Graphs	7	.8)	HCP	Historical Price with % Chg
	4)	PIB	Public Information Book	₹	19)	HCPI	Historical OHLC with % Chg
	5)	RWR	Report Writer				
					Te	chnical	Research Tools
	6)	Price	and Volume Charts >		20)	TSIG	Trading Signals
	7)	GP	Line Chart		21)	BTST	Basic Backtesting
	8)	GP0	Bar Chart		22)	BT	Backtesting & Optimization
	9)	GPC	Candle Chart		23)	STDY	Custom Study Manager
	10)	GIP	Intraday Price Chart				
	11)	GF	Graph Fundamentals		Vol	ume Ar	nalytics
					24)	IGPV	Volume Analysis Chart
	12)	Specia	al 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				

Source: Bloomberg

<Cancel> X

MenuId: 6589

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**

< > APPLE INC Equity -	GP ▼ Related Functions Menu ≫	🖂 Message	★▼ ⊑▼ 券▼ <mark>?▼</mark>
AAPL US Equity FA			
FUNCTIONS	<up arrow=""> to hi</up>		Autocomplete Feedback
AAPL US Equity FA	Financial Analysis		

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

							<cancel> X</cancel>
₩	ain	Menu d	of Bloomberg Functions > Equities > Analyz	e AF	PPLE IN	C Equity	
	1)	Compa	any Overview >	17)	Charti	ng & 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	
7	5)	CN	Individual Company News				
				21)	Securi	ty Surveillance >	
	6)	Compa	any Analysis >	22)	EVT	Company Events	

Bloomberg **DES** Function

DES allows you to see a snapshot of your loaded security

	APPLE INC Equity DES Related Fun	actions Menu ≫		
	AAPL_US \$ C 208.74 -0.27	7 your Q20	8.73/208.74K	
	🔜 <u> </u> On 30 Aug d Vol 21,162,56	51 0 210.167 H 2	10.45Q L 20	
	AAPL US Equity 98) Report		Page 1/5 S	
	1) Profile 2) Issue Info 3) Ratios	4) Revenue & EPS 5)	Industry Info	
	APPLE INC			
Company's business	6) BI Research Primer BICO »		Classification	
model and comments	Apple Inc. designs, manufactures, and	markets personal cor	mputers and rel	
model and segments	and mobile communication devices al	ong with a variety of i	related software	
	and networking solutions. Apple sells	its products worldwide	e through its or	
	stores, its direct sales force, third-pa	rty wholesalers, Mo	ore	
	8) Price Chart GP »	9) Estimates EE »	13) Co	
	- 220 - 220	Date (E)	10/31/19 14) w	
	in the second se	P/E	17.77 Cupe	Analyst estimates such as
I Year Share Price Chart		Est P/E 09/19	17.94 Empl	forecast EPS and Forward
		T12M EPS (USD)	11.74 I5) Ma	P/F
	V V'* ► 140	EST EPS		1/2
	Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug 2018	EST PEG	1./1 Chi	
	PX/Cng ID (USD) 208./4/13%			
	52 WK H (10/03/18) 233.47	12) Dividend DvD »		
Stock Performance	52 WK L (01/03/19) 142.00	Ind Gross yield	1.48% 18/ S1	
Statistics, Short Interest,	YID Change/% 51.00/32.33%	SY Net Growth	10.62% Chi	
Market Cap etc	$\begin{array}{c} \text{MKL Cap} & (\text{USD}) & 943,333.6\text{M} \\ \text{Shife Out} & (\text{Elect}) & 4 \text{ E1O 2M} & (2.005.0\text{M}) \\ \end{array}$	Cash 08/09/19		
	Shrs Out/Float 4,519.2M/3,985.0M		Beta	
	51/6 OF Float 45.6M/1.14%			
	Days to Cover 1.2		ACtiv	

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

Select Filings in the **Document Types**

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

Saved Searches	• A	ctions 👻	Advanced	Export 🔹	Settings		Company	/ Document	Sea	rch
AAPL US Equity ×	10-Q $ imes$	10-К ×						\otimes	All D	bates
Hide Filters	«						Trei	nd:		+ C
 Document Types 		Compar	лу	Source		Date	Period Language	Size		
Transcripts		🗸 Apple I	nc	📄 10-Q		07/31/19	06/29/19 English	10M	III 🔽	
Research		Apple I	nc	📄 10-Q		05/01/19	03/30/19 English	10M	III 🔽	Ľ
Filings		Apple I	nc	📄 10-Q		01/31/19	12/29/18 English	8M	III 🔽	
Presentations		Apple I	nc	📄 10-К		11/05/18	09/29/18 English	12M	III 🔽	Ľ 🗖
Press Releases		Apple I	nc	📄 10-Q		08/01/18	06/30/18 English	9M	III 🏳	
		Apple I	nc	📄 10-Q		05/02/18	03/31/18 English	9M	III 🔽	
 Companies 		Apple I	nc	📄 10-Q		02/02/18	12/30/17 English	8M	III 🔽	Ľ 🗖
AAPL US Equity	<110	Apple I	nc	📄 10-К		11/03/17	09/30/17 English	13M	III 🔽	
		Apple I	nc	📄 10-Q		08/02/17	07/01/17 English	10M	III 🔽	
 Filings Filters 		Apple I	nc	📄 10-Q		05/03/17	04/01/17 English	9M	III 🏳	Ľ 🗖
Select Forms	•	Apple I	nc	📄 10-Q		02/02/17	12/31/16 English	8M	III 🔽	
✓ 10-Q	<80	Apple I	nc	📄 10-К		10/27/16	09/24/16 English	13M	III 🔽	Ľ 🗖
✓ 10-K	<30	Apple I	nc	<u> </u>		07/27/16	06/25/16 English	9M	III 🔽	£ 🗖
10-K405	<10	Apple I	nc	📄 10-Q		04/27/16	03/26/16 English	6M	III 🏳	£ 🗖
10-К/А	<10	Apple I	nc	📄 10-Q		01/27/16	12/26/15 English	5M	III 🔽	Ľ 🗖
10-Q/A	<10	Apple I	nc	📄 10-К		10/29/15	09/26/15 English	6M	III 🔽	Ľ 🗖
	More	Apple I	nc	10-Q		07/23/15	06/27/15 English	4M	III 🔽	
		Apple I	nc	10-Q		04/29/15	03/28/15 English	4M	III 🏳	Ľ
		Apple I	nc	10-Q		01/29/15	12/27/14 English	4M	III 🔽	Ľ 🗖
		Apple I	nc	📄 10-К		10/28/14	09/27/14 English	6M	III 🏷	Ľ
		Apple I	nc	10-Q		07/23/14	06/28/14 English	5M	III 🔽	Ľ
		Apple I	nc	10-Q		04/25/14	03/29/14 English	4M	III 🔽	Ľ
		Apple I	nc	10-Q		01/29/14	12/28/13 English	4M	III 🔽	Ľ 🗖

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 Message	🖈 🕶 🖬 🔻
AAPL US \$ C 208.74 -0.27 your Q208.73/208.74K 447x3	
📶 🕧 On 30 Aug c Vol 21,162,561 0 210.16Z 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	& Opii
1) Trump Trade War With China Will Hit Apple for Real This Weekend	BN (
2) Apple Warns of Cracked Watch Screens and Offers Free Fixes	BN (
3) Apple Braces for \$1bn Tariff Hit as It Prepares for Launch of New IPhone	TEL (
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
1/) 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

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

<	> APPLE INC Equity - FA - Relate	ed Functions Menu	ı ≫		🔽 Messa	age 🔺 🕇	″ ⊑ * ☆ *
AA	APL US \$ C 208.74	-0.27 mm	m mm (208.73/20	08.74K	447×3	
	🛛 🕦 On 30 Aug c Vol 21,1	62,561 02	10.16Z	210.450	L 207.2	OD Val	4.41B
AAF	PL US Equity 96 Actions - 97)	Export - 98) S	Settings	,		Financi	al Analys
39)	ADJ Apple Inc		ASC 842	Periods 1	5 Quarters	Cur FR	C (USD) 🔽
1) K	ey Stats 2) I/S 3) B/S 4) C/F	5) Ratios 6) S	Segments 7)	Addl 8) ESG	9) Custom		
11) A	Adjusted 12) GAAP 13) As Reported	14) Reconciliation	15) SBC & Amo	ort 16) Adj %	17) GAAP %		
In Mi	illions of USD except Per Share	· 2019 Q1	2019 Q2	2019 Q3	2019 Q4 Est	2020 Q1 Est	5Q Avg
3 Mo	nths Ending	12/29/2018	03/30/2019	06/29/2019	09/30/2019	12/31/2019	
	Revenue	84,310.0	58,015.0	53,809.0	62,740.9	86,172.5	0.
	Growth (YoY)	-4.5	-5.1	1.0	-0.3	2.2	3.
	+ Sales & Services Revenue	84,310.0	58,015.0	53,809.0			0.
	Growth (YoY)	-4.5	-5.1	1.0			3.
	- Cost of Revenue	52,279.0	36,194.0	33,582.0			0.
	Growth (YoY)	-3.9	-4.0	2.2			8.
	+ Cost of Goods & Services	52,279.0	36,194.0	33,582.0			О.
	Growth (YoY)	-3.9	-4.0	2.2			8.
	Gross Profit	32,031.0	21,821.0	20,227.0	23,795.1	32,457.7	-0.
	Growth (YoY)	-5.5	-6.8	-1.0	-1.2	1.3	-32.
	+ Other Operating Income	0.0	0.0	0.0			
	- Operating Expenses	8,685.0	8,406.0	8,683.0			3.
	Growth (YoY)	13.7	11.7	7.9			-11.
<u>.11</u>	+ Selling, General & Admin	4,783.0	4,458.0	4,426.0			1.
	Growth (YoY)	13.0	7.4	7.7			-3.
	+ Research & Development	3,902.0	3,948.0	4,257.0			4.
	Growth (YoY)	14.5	16.9	15.0			-4.
	+ Other Operating Expense	0.0	0.0	0.0			
	Operating Income (Loss)	23,346.0	13,415.0	11,544.0	14,927.2	23,342.4	-0.
	Growth (VoV)	11_1	-15.6	-6.7	<u>-74</u>	0.0	-74
<<	$\langle \rangle \rangle$						

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 an 10-Q
- Adj %: Common size adjusted financial statements

< > APPLE INC Equity ▼ FA ▼ Related	l Functions Menu	*		🔽 Messa	ige 🛧	▼ □ ▼ ☆ ▼
AAPL US \$ C 208.74 -	0.27 mm	~~~ C	208.73/20)8.74K	447×3	
🛄 📶 On 30 Aug c Vol 21,16	2.561 0 21	LO.16Z	210.450	L 207.20	OD Val	4.41B
AAPL US Equity 96 Actions • 97) E	xport - 98) S	ettings	, in the second s		Financi	ial Analys [:]
39) ADJ Apple Inc		ASC 842	Periods 15	Quarters	Cur FR	C (USD)
1) Key Stats 2) I/S 3) B/S 4) C/F	5) Ratios 6) S	egments 7)	Addl 8) ESG	9) Custom		
11) Adjusted 12) GAAP 13) As Reported 14	Reconciliation	15) SBC & Amo	rt 16) Adj %	17) GAAP %		
In Millions of USD except Per Share	2019 Q1	2019 Q2	2019 Q3	2019 Q4 Est	2020 Q1 Est	5Q Avg
3 Months Ending	12/29/2018	03/30/2019	06/29/2019	09/30/2019	12/31/2019	
Image: state sta	84,310.0	58,015.0	53,809.0	62,740.9	86,172.5	0.
Growth (YoY)	-4.5	-5.1	1.0	-0.3	2.2	3.
+ Sales & Services Revenue	84,310.0	58,015.0	53,809.0			0.
Growth (YoY)	-4.5	-5.1	1.0			3.
- Cost of Revenue	52,279.0	36,194.0	33,582.0			0.
Growth (YoY)	-3.9	-4.0	2.2			8.
+ Cost of Goods & Services	52,279.0	36,194.0	33,582.0			0.
Growth (YoY)	-3.9	-4.0	2.2			8.
Gross Profit	32,031.0	21,821.0	20,227.0	23,795.1	32,457.7	-0.
Growth (YoY)	-5.5	-6.8	-1.0	-1.2	1.3	-32.
+ Other Operating Income	0.0	0.0	0.0			
- Operating Expenses	8,685.0	8,406.0	8,683.0			3.
Growth (YoY)	13./	11./	/.9			-11.
+ Selling, General & Admin	4,783.0	4,458.0	4,426.0			1.
Growth (Yoy)	13.0	7.4				-3.
+ Research & Development	3,902.0	3,948.0	4,257.0			4.
Growth (Yoy)	14.5	16.9	15.0			-4.
+ Other Operating Expense		13 415 0		14 027 2	22 242 4	
Crowth (VoV)	23,346.0	13,415.0	11,544.0	14,927.2	23,342.4	=0.

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**

A	AP <u>L_</u> US \$ C 208.74	.0 . 27 'w~~
	🖩 <mark> </mark>	52,561 <mark>0</mark> 2
A	PL US Equity 96) Actions 🝷 97) E	xport 🚽 98) :
9)	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
۱I	1illions of USD except Per Share	2016 Q1
М	onths Ending	12/26/2015
	Income Statement	
	Revenues	
<u>II</u>	Revenues	75,872.0
ıl	Product Revenue	_
ıl	Service Revenue	_
ıl	Total Revenue	_
	Operating Expenses	
ıl	Total Operating Expenses	6,252.0
ıl	Cost of Goods Sold	45,449.0
ıl	R & D Expenditures	2,404.0
ıl	Selling General and Administrative	3,848.0
ıl	Gross Profit	30,423.0
ıl	Operating Income	24,171.0
ıl	Cost of Products Sold	_
ıl	Cost of Services	_
ıl	Total Cost of Revenues	_
	Non-Operating Expenses	
	Income Tax Expense (Benefit)	6,212.0
	Income Before Income Taxes	24,573.0
	Other Nen Operating (Income)/Evp	402.0

AAPL US Equity 90 Actions • 97) I	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 1	4) Reconciliation
In Millions of USD except Per Share	2016 Q1
3 Months Ending	12/26/2015
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
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
d Operating Income (Loss)	23,623.0
Growth (VoV)	-2.6
$\langle \langle \rangle \rangle$	

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

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

AAPL US Equity 96) Actions • 97) I	Export 🝷 98) S	settings			Financi	al Analysis
39 ADJ Apple Inc		ASC 842 f	Periods 1	5 Quarters	Cur FR	C (USD) 🔹 🗗
1) Key Stats 2) I/S 3) B/S 4) C/F	5) Ratios 6)	Segments 7)	Addl 8) ESG	9) Custom		
11) Profitability 12) Growth 13) Credit	14) Credit Ex Ope	erating Leases	15) Liquidity	16) Working Ca	oital 17) Yield	Analysis 🔻 🕨
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
Returns						
II 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
II 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
Margins						
📊 🕨 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
III 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
III Net Income Margin	24.20	20.80	18.41	19.24	22.83	20.85
II Net Income to Common Margin	24.20	20.80	18.41	19.24	22.83	20.85
Additional						
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 07	25 22	<u>יר רכ</u>	24 22	28 80	25 21
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How to Export Financial Statements/Ratios to Excel

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6 Return	\$																		
7 Return	on Comr	mon Equity		4	2.71	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
B Return	on Asse	ts		1	9.36	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
9 Return	on Capit	al		3	0.99	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
0 Return	on Invest	ted Capital		2	9.83	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
11																			
2 Margin	IS																		
3 Gross I	Margin			4	0.10	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
4 EBITDA	A Margin			3	5.75	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
5 Operati	ing Margi	in		3	1.86	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
6 Increme	ental Ope	erating Marg	in		-	-57.57	-54.89	-61.56	-	4.70	21.74	23.73	29.32	21.81	23.47	29.05	-73.51	-79.40	_
7 Pretax	Margin			3	2.39	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
8 Income	before X	O Margin		2	4.20	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
9 Net Inc	ome Mar	rgin		2	4.20	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
20 Net Inc	ome to C	Common Ma	rgin	2	4.20	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
21																			
22 Additio	onal																		
23 Effectiv	e Tax Ra	ate		2	5.28	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
24 Dvd Pag	yout Rati	io		1	5.78	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
25 Sustain	able Gro	wth Rate		3	5.97	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
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n Millions of USD except Per Share	Excel Template	Library (XLTP)	74) Custo	m Report	2017 Q1	2017 Q2 🔺
Months Ending					31/2016	04/01/2017
Returns						
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
Margins						
II ► 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
II 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
II 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
Met 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
Additional						
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
I Sustainable Growth Rate	35 07	25 22	22 22	74 77	28 80	25 21 ₹
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Suggested Functions ANR Get an	alyst recommendat	ions & ratings	EQRV Se	e who's trading	rich or che	ар

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



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.



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.

APPLE INC Equity ▼ GP ▼ Related Functions Menu Menu												
Click to select a periodic	ity., <ba< th=""><th>ack></th><th>to C</th><th>Close</th><th><u>)</u></th><th></th><th></th></ba<>	ack>	to C	Close	<u>)</u>							
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\wedge	Historical											
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	Monthly	5Y	10Y	15Y	20Y	25Y	30Y					
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	Yearly	10Y	20Y	25Y	30Y	40Y	50Y					
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You can select the frequency of your data to Daily, Weekly, Monthly etc.

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.



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.



Bloomberg **GP** Function – Editing charts

Click on the edit button to access the graph editing menu



Bloomberg **GP** Function – Editing charts

Editing line color, style, thickness, shading and axis

Editing line axis

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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 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.



Bloomberg **GP** Function – Normalizing Charts

How to display the % change of a ticker/chart



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.

<	> APP	E INC Equity 🔻	HCP 🖪	Related F	unctio	ns Men	u ≫]			🖂 Mes	ssage	*	▼ □▼ ☆▼ ?▼
AA	APL US	\$ C 208	.74	-0.2	27	hours	~ mant	Q208.7	3/208.	74K	4	47×3	
	I <u> </u>	n 30 Aug d	Vol	21,162,5	61	0 21	0.16Z	H 210.	450	207.	20D	Val	4.41B
AA	PL US E	auity		96) Export		97) Settings			His	storica	al Price	e with % Chq
App	le Inc						. 3	Hie	gh	2	32.07	on	10/03/18
Ran	ge 🚺	9/04/2018 🗃 -	08/	′30/2019 🗖	Pei	riod	Daily	- Lo	W	1	42.19	on	01/03/19
Mar	ket La	st Price	Volu	me 🔹	Cur	rency	USD 🔻	Av	erage	192	.3497		32,795,385
View	N P	rice with % Chg	•					Ne	t Chg		19.62		-8.59% + Q
	Da	te Last F	Price	Net C	hange	2	% Change		Volume		Net Ch	ange	% Change ▲
Fr	08/30/	<mark>19</mark> 20	8.74		27	7	-0.13%	21	1,162,561		+154	1,909	+0.74%
Th	08/29/	<mark>19</mark> 20	9.01		+3.48	3	+1.69%	21	1,007,652		+5,050	0,020	+31.65%
We	08/28/	<mark>19</mark> 20	5.53		+1.37	7	+0.67%	15	5,957,632		-9,939	9,712	-38.38%
Tu	08/27/	<mark>19</mark> 20	94.16		-2.33	3	-1.13%	25	5,897,344		-168	3,786	-0.65%
Мо	08/26/	<mark>19</mark> 20	6.49		+3.85	5	+1.90%	26	6,066,130		-20,816	5,713	-44.40%
Fr	08/23/	19 20	2.64		-9.82	2	-4.62%	46	6,882,843	+	+24,61	5,024	+110.54%
Th	08/22/	<mark>19</mark> 21	.2.46		18	3	-0.08%	22	2,267,819		+703	3,072	+3.26%
We	08/21/	<mark>19</mark> 21	.2.64		+2.28	3	+1.08%	21	l,564,747		-5,354	1,782	-19.89%
Tu	08/20/	19 21	.0.36		+.02	L	+0.00%	26	5,919,529		+2,487	7,614	+10.18%
Мо	08/19/	<mark>19</mark> 21	.0.35		+3.85	5	+1.86%	24	,431,915		-4,383	1,709	-15.21%
Fr	08/16/	<mark>19</mark> 20	6.50		+4.76	5	+2.36%	28	3,813,624		+93(0,261	+3.34%
Th	08/15/	<mark>19</mark> 20	1.74		-1.0	L	-0.50%	27	7,883,363		-8,664	4,080	-23.71%
We	08/14/	<mark>19</mark> 20	2.75		-6.22	2	-2.98%	36	6,547,443		-10,992	2,343	-23.12%
Tu	08/13/	<mark>19</mark> 20	8.97		+8.49	9	+4.23%	47	7,539,786	4	+25,057	7,897	+111.46%
Мо	08/12/	<mark>19</mark> 20	0.48		53	L	-0.25%	22	2,481,889		-2,137	7,857	-8.68%
Fr	08/09/	19 20	0.99		-2.44	1	-1.20%	24	,619,746		-2,389	9,777	-8.85%
Th	08/08/	19 20	3.43		+4.39	9	+2.21%	27	7,009,523		-6,354	1,877	-19.05%
We	08/07/	19 19	9.04		+2.04	1	+1.04%	33	3,364,400		-2,460),387	-6.87%-

Bloomberg **HCP** Function

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

APPLE INC Equity •	HCP - Related Function	ons Menu ⊗		🗹 Message	★▼ ⊑▼ ☆▼ ?▼
AAPL US \$ C 208	74 -027	warman Q	208.73/208.	74K 447 x3	
📶 <u> </u> On 30 Aug d	Vol 21.162.561	0 210.16Z H	210.450	L 207.20D Va	1 4.41B
AAPL US Equity	96) Export	97) Settings		Historical Pri	ce with % Chg
Apple Inc			High	232.07 on	10/03/18
Range 09/04/2018 -	08/30/2019 🖬 Pe	riod Daily 🔹	Low	142.19 on	01/03/19
Market Last Price	Volume 🔹 Cu	rrency USD 🔹	Average	192.3497	32,795,385
View Price with % Chg	•		Net Chg	-19.62	-8.59% + Q
Date 🖊 Last P	Price Net Change	e % Change	Volume	Net Change	% Change •
Fr 08/30/19 20	.2	7 -0.13%	21,162,561	+154,909	+0.74%
Th 08/29/19 20	9.01 +3.4	8 +1.69%	21,007,652	+5,050,020	+31.65%
We 08/7/3/19 20	+1.3	7 +0.67%	15,957,632	-9,939,712	-38.38%
Tu 05/27/19 20	-2.3	3 -1.13%	25,897,344	-168,786	-0.65%
Mo 08/26/19 20	+3.8	5 +1.90%	26,066,130	-20,816,713	-44.40%

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

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3	End Date				8/30/2	019 0:00									
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7	Date	PX_LAS	ST				Change	% Ch	ange	PX_VOL	JME	Change	% Chan	ge	
8	8/30/2019					208.74	-0.27	-0.12	9180422	2116	2561	154909	0.7373	93213	
9	8/29/2019					209.01	3.48	1.69	3183477	2100	7652	5050020	31.646	542473	
10	8/28/2019					205.53	1.37	0.6	7104232	1595	7632	-9939712	-38.381	20233	
11	8/27/2019					204.16	-2.33	-1.12	8383941	2589	7344	-168786	-0.6475	29956	
12	8/26/2019					206.49	3.85	1.89	9921042	2606	6130	-20816713	-44.401	55858	
13	8/23/2019					202.64	-9.82	-4.62	2046503	4688	2843	24615024	110.54	07943	
14	8/22/2019					212.46	-0.18	-0.08	4650113	2226	7819	703072	3.2602	284018	
15	8/21/2019					212.64	2.28	1.08	3856246	2156	4747	-5354782	-19.891	81163	
16	8/20/2019					210.36	0.01	0.00	4753981	2691	9529	2487614	10.181	82161	
17	8/19/2019					210.35	3.85	1.8	6440678	2443	1915	-4381709	-15.207	707357	
18	8/16/2019					206.5	4.76	2.35	9472588	2881	3624	930261	3.3362	258256	
19	8/15/2019					201.74	-1.01	-0.49	8150432	2788	3363	-8664080	-23.706	539172	
20	8/14/2019					202.75	-6.22	-2.97	6503804	3654	7443	-10992343	-23.122	40741	
21	8/13/2019					208.97	8.49	4.23	4836393	4753	9786	25057897	111.45	81475	
22	8/12/2019					200.48	-0.51	-0.25	3743967	2248	1889	-2137857	-8.6835	605508	
	0/0/0040					200.00	~ * *						0.0470		

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



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

Spreadsheet Builder ? ×	Spreadsheet Builder	? ×	Spreadsheet Builder	? X
Use this Spreadsheet Builder to customize the data and layout of your Excel file	History Layout 1 Select Securities 2 Select Fields 3	Set Date Range 4 Preview and Create	History Layout 1 Select Securities 2 Select Fields	3 Set Date Range 4 Preview and Create
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Technical Analysis (End of Day)	Fixed Income Index Custom Index (CIX)	ت ل	Earnings Estimates Fundamentals Market Activity	• •
Track Intraday Price Action	Benchmark EMS Orders Equity Screen	â		
Technical Analysis (Bars)	 ☑ Security List (LST) ☑ Fund Screen (FSRC) 			
Bloomberg Cancel	Bloomberg	Previous Next Cancel	Bloomberg	Previous Next Cancel
1 After your click on spreadsheet builder, chose Historical Data Table	2 Search for the securities y want to download from t search bar.	ou he	3 Search for or select the f (i.e.: Net Income, PE etc. want to download from search bar.	fields .) you the

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

The date calendar allows you to chose spe beginning and ending dates as a range for data, along with the frequency of the data Monthly, Quarterly etc.

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



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.

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7	Date	Data	Data			S	how Field Name						
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9	Date	Data	Data				how Start and End Dates						
10	Date	Data	Data				have Data						
11	Date						now Date						
12	Date					Sort							
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16													
17													
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Bl	Bloomberg Previous Finish Cancel												

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.

	Α	В	С	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 find Excel Fields for your data

APPLE INC Equity - F	A 🔻 🛛 Related F	unctions M	In Millio	ons of USD	2018 Q2	1
AAPL US \$ Mark	et www	m Monund	3 Month	is Ending	12/30/2017	7
\square Prev 208.7	74 Vol	175_{-6}	. Ma	rket Capitalization	859,967.8	8
APL LIS Equity 96) Acti	ons 🔹 97) Evr	$rac{1}{2}$		ash & Equir Definition Snow Related Te	mplates 285,097.0	D
A L US Leury 70 Act				referred & Copy "Market Ca	O.C	D
		Dation	11 + To	otal Deot	122,400.0	D
) Rey Stats 2) 1/S 3) B/S	4) C/F 5)	Ratios	Ent	erprise Value	697,270.8	8
11) Adj Highlights 12) GAAP	Highlights 13) E	arnings				
Millions of USD	2018 Q1	2018		venue. Adi	88,293,0	b
Months Ending	12/30/2017	03/31/2		Growth % YoY	12.7	7
I Market Capitalization	859,967.8	829,38		oss Profit Adi	33 912 (
- Cash & Equivalents Historical N	IARKET CAD	267,22			33,71210	
+ Preferred & Other Right-click	for more options.	Ē		Field Descriptions		
l + Total Debt	122,400.0	121,84				
Enterprise Value	697.270.8	683.99		List of Fields	Field Description	
					listerial Market Car	
over over the field you're				1) Historical Market Cap	Historical Market Cap	
terested in and a pop out		Δ	Another way to get field ids is to right click	2) Cash and Marketable Secur	Excel Field ID: HISTORICAL_MARKET_C	CAP
rill display the field name and		0	on the item you're interested in, chose	2) Droforrod Equity and Minor		
the Selected Fields Page on			Definition and you will get a pop out with	5) Preferreu Equity and Philor		
ne Spreadsheet Builder.		t	the Excel Field ID.	4) Short and Long Term Debt	Total market value of all of a compar	IY S

Source: Bloomberg

3

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03/31, <mark>829,</mark> 267,

> 121_. 683.

> > 61,

23.4

Using the navigation Data Navigation to get data into Excel

On the Bloomberg Ribbon, click on Data Navigation.



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



Bloomberg		•	×			
Apple Inc (U.S.) AAPL US Equity Iome > Financial/Valuation > Income Statement						
Type in Ticker or issuer na	ame.	_				
Income Statement Most Recent - Fundame	entals	¢ (41	2			
	FY1 2018	FY1 2	01			
Period End Date	20180929	201	709			
Revenue	265,595.00	229,2	34			
Sales & Services Rev	265,595.00	229,2	34			
Cost of Revenue	163,756.00	141,0	48			
Cost of Goods & Ser	163,756.00	141,0	48			
Gross Profit	101,839.00	88,1	86			
Other Operating Inc	.00					
Operating Expenses	30,941.00	26,8	42			
Selling, General & A	16,705.00	15,2	61			
Research & Develop	14,236.00	11,5	81			
Other Operating Exp	.00					
Operating Income (L	70,898.00	61,3	44			
Non-Operating (Inc	-2005.00	-27	45			
Interest Expense, Net	-2446.00	-28	78			
Interest Expense	3,240.00	2,3	23			
Interest Income	5,686.00	5,2	01			
Foreign Exch (Gain)	.00					
Other Non-Op (Inco	441.00	1	33			
Pretax Income	72,903.00	64,0	89			
 Related Bloomberg 	Functions					

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.

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	В	С	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 n	ame,					
Income Statement Most Recent - Fundame	entals	¢ 41	2			
	FY1 2018	FY1 2	201			
Period End Date	20180929	201	709			
Revenue	265,595.00	229,2	234			
Sales & Services Rev	265,595.00	229,2	234			
Cost of Revenue	163,756.00	141,0)48			
Cost of Goods & Ser	163,756.00	141,0)48			
Gross Profit	101,839.00	88,1	86			
Other Operating Inc	.00					
Operating Expenses	30,941.00	26,8	342			
Selling, General & A	16,705.00	15,2	261			
Research & Develop	14,236.00	11,5	581			
Other Operating Exp	.00					
Operating Income (L	70,898.00	61,3	344			
Non-Operating (Inc	-2005.00	-27	745			
Interest Expense, Net	-2446.00	-28	378			
Interest Expense	3,240.00	2,3	323			
Interest Income	5,686.00	5,2	201			
Foreign Exch (Gain)	.00					
Other Non-Op (Inco	441.00	1	133			
Pretax Income	72,903.00	64,0	089			
 Related Bloomberg 	Functions					

Some other useful Bloomberg functions

Bloomberg **ECST** function

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

APPLE INC Equity ECST	✓ Related Functions Menu ※	Mes	sage 🔺 🖈	□□▼ ☆▼ ?▼
90 <go> to Export</go>				
91) Search 92) S	ettings -	Wor	rld Economic	Statistics
94) Standard Views 95) Custom Vie	ews			
Qatar 1) Browse	Range Q4 • 2018 - Q1 • 2019	Source Qatar Min	nistry of Develo	pment Plan 🝸
-National Accounts (GDP)	Frequency Quarterly	Transform	nation QoQ% NSA	•
-Nominal GDP by Expenditure	11) Nominal GDP			
-Real GDP by Industry		Ticker	Q1 2019	Q4 2018
-Nominal GDP by Industry	-Gross Domestic Product	■ QADPTOTQ	-6.6	0.4
Annual Nominal GDP by Indu	-Household Consumption Expenditure	■ QADPHCEQ		
+Prices	-Government Final Consumption Expe	■ QADPGFCQ …		
+Labor Market	-Gross Capital Formation	■ QADPGCFQ …		
+Retail & Wholesale Sector	-Exports of Goods and Services	■ QADPEGSQ …		
Industrial Sector	Limports of Goods and Services	► QADPIGSQ I		
+Surveys/Cyclical Indicators				
Housing and Real Estate				
+Personal/Household Sector	*			
Intl Trade & BoP				
+Government Finance & Debt				
Monetary Sector				
+Financial Indicators				
+Demographics				

Bloomberg **ECO** function

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

APPLE INC Equity •	ECO ▼ Related Functions Menu ≫			Message	★▼ □	¦▼ ☆▼ <mark>?▼</mark>
9 <go> to Save as</go>	Default					9
1) Calendars 🔸 2) Al	1) Calendars - 2) Alerts 3) Export - 4) Settings - Econ					alendars
United States	6) Browse 14:05:51	_	C	9/05/19	🗄 - 09/	<mark>12/19</mark> 🗄
Economic Releases	All Economic Releases	,	V	iew •Age	nda 🔍 We	ekly + ^Q
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%	

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

> APPLE	INC Equity 🕶 🛛 N 🕶 🛛 Related Functio	ns Menu ⊗		🗹 Message	★▼ ⊑▼ ☆▼ <mark>?▼</mark>
Custom S	Searches			News 8	Research Menu
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Search f	for News Stories. Pick a ticker list	, or see more s	search options.		
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Main New	News & Research Functions				
Ham New					
All So	urces (Combined)	15) Opinio	n & Analysis >		
1) TOP	Top News	16) OPIN	Bloomberg Opinion		
2) CN	Individual Company News	17) BNEF	BloombergNEF (BNEF) Resea	rch	
3) READ	Most Read Stories				
4) NI	News Types	18) Non-E	nglish Language News >		
5) NH	Scrolling News				
		19) Persor	nalized News >		
Bloom	berg Sources	20) MYN	My News		
6) FIRS	First Word	21) NLRT	News Searches & Alerts		
7) BI	Bloomberg Intelligence	22) NZPD	News Settings		
8) BRIE	Bloomberg Brief Newsletters				
9) QUIC	Bloomberg QuickTakes	23) Social	Media & Analytics >		
10) BECO	Bloomberg Economics	24) TWTR	Twitter Search		
11) DAYB	Daybreak	25) TREN	News Trends		
12) BIZW	Bloomberg Businessweek				
13) MAG	Bloomberg Magazines	26) Multim	nedia >		
		27) MEDI	Bloomberg Media		
14) Non-B	loomberg News Sources >				
		28) Docum	entation & Resources >		

Display the top news stories for the day

<	> APPLE INC Equity ▼ TOP ▼ Related Functions Menu ≫			🗹 Message	★▼ ⊑▼ 券▼ ?▼
All	Stories Pages • Custom Searches Translate •				Top News
	<narrow> Q Pause</narrow>				
	Top Stories Selected By Bloomberg More »			Spotlight	More »
1)	Johnson's Brother Quits Over Government Strategy: Brexit Update	BN	13:56	Italy Econo	omy's Positive Signs
2)	China, U.S. to Hold Trade Talks in October as Mistrust Remains	BN	12:16	В	
3)	Stocks Extend Gains as Trade Talks Set; Bonds Drop: Markets Wrap	BN	13:28		-0.4
4)	Draghi Faces Biggest-Ever Pushback as ECB's Core Resists QE	BN	13:01		-0.2
_	Featured Stories 🔄 1 of 3 🕨 More »				0.0
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		-0.2
/)	Casino's Boss Gets Help From Duo That Failed to Buy Metro	BN	12:14	Einet Mend	-0.4
8)	Europe Bond Sales to Blast Past 1 Trillion Euros in Record Time	BN	13:37	First word	More »
9)	JPMorgan Says Abu Dhabi May Help Aabar Pay Debt to Avoid Fallout	BN	13:20	BELLUS He	ealth Offering Prices
10)	Korean-Led Group in Talks for \$1.4 Billion Brussels Skyscraper	BN	13:05	9.86m Sna	ares at \$7.10/Share
11)	London Banker's Arrest Sparks 6-Year Fight With Citi, Tax Agency	BN	14:05	[14:07]	
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	Mallinckro	DOLT MULLS
14)	China Suspects Merkel Is Heading to Beijing to Do Trump's Work	BN	06:59	Restructur	1119: N.A. Health Pre-
15)	Canaries in U.S. Labor Market Warn of Potential Weakness Ahead	BN	12:00	Mai Ket [1	4.07]
10	Opinion & Analysis 🔺 1 of 3 🕨 More »			Storling's	Short-Squeeze
16)	Boris Johnson Has Badly Miscalculated His First Moves: Editorial	BBO	07:01	Ultimate 1	Short-Squeeze
1/)	Weaker Dollar Means the World Feels a Little Safer: John Authers	BBO	07:01	Charts Sh	13 get 13 get 23,
18)	Czech Billionaire Buys His Groceries in Paris: Andrea Felsted	BBO	13:27	Charts Sh	
19)	Are Republicans Ready to Respond to a Recession?: Karl W. Smith	BBO	14:00	GMS Offer	ing by Holder Prices
20)	Barclays May Take Scandal Costs Beyond \$55 Billion: Intelligence	BI	12:02	6.83m_Sha	ares at \$27.20/Share
21)	European Slump Risks Growth of SAP, Other Techs: Intelligence	BI	09:33	[13:57]	
Scro	oll Down For: 🗹 Deals 🗹 Finance 🗹 Eco & Gov 🗹 Tech 🗹 Sports			[10.07]	

Displays the most important information to know for the day

< > APPLE INC Ed	uity ▼ DAYB ▼ Related Functions Menu 🛛 Message	<u>★▼ ⊑▼ 券▼ ?▼</u>
Alerts Custom	ize	Daybreak
Need to Know		*
Opinion	Bloombergreak	September 05, 2019
Analysis	DAYBREAK	5:30 AM New York
Americas		
EMEA	NEED TO KNOW	
Asia Pacific		
Commodities	China-U.S. trade talks are back on. Chinese negotiators will travel to Washing	ton early next
Deals	month after the sides failed to set a date for September. Vice Premier Liu H	arreed to the
Consumer/Entert	visit in a call with Steven Mnuchin and Robert Lighthizer, the Commerce Minis	try in Rejijna sajd
Energy/Materials	Lighthizer's office said ministerial level talks will take place in coming week	s but didn't
Finance	specify when	s, but ulull t
Health Care	specify when.	
Industrials	U.S. equity-index futures rose with European shares, tracking a rally in Asia a	after the trade
Technology	update. The dollar fell while the pound held onto vesterday's big gains and the	ne euro was steady.
My Tickers	Gold and Treasuries retreated Oil was mostly steady. Technical ditches in To	kvo and Hong
Nice to Know	Kong affected trading of Treasuries and kept a lid on the Hang Seng Index.	Acyo and hong

Bloomberg **WSJ** function

Access the Wall Street Journal articles from the terminal

< APPLE INC Equity ▼ WSJ ▼ Related Functions Menu ※	🗹 Message	★▼ ⊑▼ 券▼ <mark>?▼</mark>
Search News Pages Custom Searches Translate	Wall Stre	et Journal News
Front Page More »		A
1) Companies Embrace Cheap Debt		WSJ 09:13
 The Toxic Online World Where Mass Shooters Thrive 		WSJ 09:12
3) U.S. Banks' Influence Grows In Global Financial System		WSJ 09:13
 Hong Kong's Leader Yields to Protesters 		WSJ 09:13
5) Stop That Burger! I'm Still Thinking		WSJ 09:13
Business More »		
 Goldman Sachs Culls Its Partner Ranks 		WSJ 09:12
7) A Link Surfaces in Market's Crosscurrents		WSJ 09:11
 Investors Punish Slack After First Earnings Report 		WSJ 09:12
U.S. News More »		
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

For finding data and statistics for industries and markets

✓ > APPLE INC Equity ▼	BI ▼ Related Functions Menu ≥	essage	*	• 🖬 •	*▼ <mark>?▼</mark>
Actions • Events & C	hatrooms Settings	Bloon	nberg I	ntellig	gence
<search and="" bi="" da<="" research="" th=""><th>ta> Popular Searches China, Aapl Us Equity, Real Estate</th><th></th><th></th><th>All Re</th><th>egions 🔹</th></search>	ta> Popular Searches China, Aapl Us Equity, Real Estate			All Re	egions 🔹
Browse All of BI	Featured Research	Spotlig	ht Mor	e »	
 Industries 	1) European Equities on Sugar Highs	MSCI El	U Sector	Return	าร 2019
 Strategy 	2) ING's Growth Lead, Payout Hopes Are Fading Fast	Sectors 01/0 Cons. Stpl 16	01/19 30/08/19 (Den 0.1 18.7 1	ating) \$ YTD Chg \$	\$ Return \$
 BI Products 	3) BI Focus: CMA CGM Fundamentals Remain Solid	Technology 16 Utilities 13 HealthCare 14 Industrials 13	19.6 1 3.2 14.9 1 1.8 16.2 1 3.5 15.9 1	.9.1 2.0 .2.7 4.2 9.4 8.3 .7.6 0.7	1.5 22.2 5.3 22.0 3.5 21.8 3.0 20.7
BI Coverage More »	4) Slowing China Contagion Risks For Asian Banks	Cons. Disc 10 Materials 11 Financials 8.	0.1 12.7 2 1.4 12.8 1 .6 8.9	16.1 -6.7 12.8 -4.6 4.0 -3.3	3.2 <u>19.7</u> 4.2 11.3 4.7 4.7
	5) Australia Banks June-Quarter Review:Conduct Charges	Com. Svc. 13 Energy 10	8.0 14.0 0.0 10.2	7.3 -6.6 2.3 -3.5	3.3 3.2 3.9 2.4
My BI	6) Hong Kong Luxury Retail in a Time of Protest	Source: Bloomberg Intelligence, a	as of August 20th 2019		2010
Select Dashboards and Data					
	Suggested BI				_
Suggested BI	Suggested Key Data More »				
Dashboards	/) ☆ Portugal Outstanding Mortgage Lending: Monthly Data Upd	late			09/04
☆ Liquefied Natural Gas (8) 🛠 PMI Purchasing Manager Sentiment: Monthly Data Update				09/03
값 Large Pharma (GLOB)	別公U.K. Retail Lending: Monthly Data Update				09/02
	10) \$7 Fed H8 Balance Sheet Balances: Weekly Data Update				08/30
Data					08/30
	Suggested Research More »				11.00
값 LNG Regasification	12) Energy-Market Fundamentals Heighten Skepticism Toward	SPACs			14:03
값 LNG Contracts	I) Recession Alarms Fall on Deaf Ears in Fed-Emboldened Ma	arket			14:03
な LNG Demand	14) Iran Oil Output Likely to Remain Curtailed, May Lose EU B	acking			13:43
값 Berth Visits	15) Flatter CDS Curves May Reflect Complacency Among EM Cr	reditors	1		13:27
More.	16) Zai Lab Cancer Push Deepens, Approvals in Sight: Compar	ny Outloo	0K		13:03

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

≺ > APPLE INC Equity ▼ IPO ▼ Related Function	ıs Menu ≫				🗹 Message	★ - [↓▼ ☆▼ ?▼
<back> to Return</back>							6
Search 95) Advanced Search 96)	Actions 🔹	97) Se	ttings	;		Equity (Offerings
🗹 IPO 🗹 Addl 🔲 Rights 🛛 🔹 Announce	d Last 12 Mo	nths	•		Deals	7,201 Curre	ency QAR •
Click on any stage, region, or industry to filter by t	that criteria.					1	4:17:35 😂
1) Overview 2) Breakdown 3) Advisers 4) Deal L	ist 5) Time	Series	6) Cal	endar			
Offer Stage Geographic Breakc	lown		C (0)	Industry	Breakdown		
Stage Value Count Region	Vali	Jel Per	t. (%)	Indust	ry	Value	Perf. (%)
Announced /,201 Global			9.5 T	All			9.5 <u>†</u>
11) Pending 1,881 21) Asia				51) Utilitie	es		16.2 f
12) Priced 5,642 22) Europe	c ·			52) Techno	ology		30.2 T
13) Trading 5,078 23) Middle East & Af	frica		/./ T	53) Indust	rial		14.8
14) Postponed 29 24) Latin America &	a Car		18.7 T	54) Financ	ial		5.5 f
15) Wthdrn/Rej 213 25) North America			9.0 T	55) Energy			1.3
16) Upcoming 52				56) Divers	ified		3.2 T
Top Deals	So	rt by	Larg	oct Sizo	Most Por		Incoming
Appounced Issuer Name	Size (M			offer Drice	Last Close	Porf (%)	Last Price
101) 11/12/2018 Softbank Corp	77 189			1 500 00	1 506 50	Feil. (%)	
101 11772010 Softballk COrp 102 $-106/17/2019$ Budweiser Brewing Co APAC L	td 35 7204	48 TPO	\al	1,500.00	1,500.50		1,500.50
103) 04/11/2019 Diddweiser Diewing eo Arke E	29 607 9		T	45.00	31 00	-78 9	31 00
104) 09/17/2018 Knorr-Bremse AG	16 468	54 TPO	÷	80.00	85 17	65	
105 . 09/10/2018 Vahoo Japan Corp	15 894 0		÷	354.00	286.00	-20.6	286.00
106)	15 554		÷	11 40	7 47	-35.0	7 47
107) . 03/28/2019 AstraZeneca PLC	12 844		÷	6 050 00	7 391 00	22.0	
108 02/08/2019 Avantor Inc	12,011	35 TPO	T T	14 00	17 24	22.2	17 24
109 04/04/2019 Japan Post Insurance Co Ltd	10,647	15 ADDI	T T	2.375.00	1.531.00	-36 5	1.531.00
110 06/24/2019 VICI Properties Inc	9,049.	35 ADDL	Ť	21.50	22.18	3.2	22.18

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

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🗹 M&A 🛛 🗹 Inve	estment	t 🛛 🗹 Oth	er	Date Ra	nge Year-to	-Date	•					(Curre	ncy USE
Click on a Deal	Status,	Region o	r Industi	y to fili	er by that c	riteria	-							
									a =		→ _ .	# of D	eals	31,710
1) Overview	2) Deal E	Breakdown	3) Cap	ital Flow	4) League	Table	5) Dea	l List	6) Buye	er List	7) Time	e Series		
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12) Completed			21,426	22) Euro	Proific		832.2B	-15.1 J	52) F1	nancial		69)./B	
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101) M&A OS	9/05/19	Assurance	e IQ Inc		Prud	ential	Financia	al Inc		2 . 4B	Cash		Pe	ending
102) M&A 09	9/05/19	AXA Affir	n General	Insura	nce B Pote	ntial F	Buyer			650.0M	Undisc	losed	Pr	oposed
103) M&A 09	9/05/19	Portfolic	of 3 off	ice build	lings/ Cred	it Suis	se Asset	Manage	me	235.9M	Cash		Co	mpleted
104) M&A 09	9/05/19	Property	15 Bonh	ill St/L	ondon Mayf	air Ca	pital Inv	restment	Ma	138 . 1M	Cash		Co	mpleted
105) INV 09	9/05/19	Renke in	teractive	e Beijing	Infor Tenc	ent Ho	oldings L	td		120.0M	Cash		Co	mpleted
106) INV 09	9/05/19	Nikola C	orp		Multi	ple ac	quirers			100.0M	Cash		Pr	oposed
107) M&A 09	9/05/19	One Tow	er Bridge	e develo	pmen Rede	evco N	ederland	BV		86.1M	Cash		Co	mpleted
108) M&A 09	9/05/19	Rhumant	illes SAS		Davi	de Car	npari-Mi	lano SpA		66.3M	Undisc	losed	Pe	ending
109) INV 09	9/05/19	CXA Grou	ip Pte Lt	d	Pote	ntial E	Buyer			50.0M	Cash		Pr	oposed
110) INV 09	9/05/19	ISTAR M	edical SA		Multi	ple ac	quirers			44.2M	Cash		Co	mpleted
111) INV 09	9/05/19	HS Vital	Co Ltd		Kore	a Part	ticle The	rapy Can	icer	41.8M	Cash		Pe	ending

Bloomberg **EQS** function

To screen companies that meet certain criteria

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Bloomberg **EVTS** function

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

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	1) STKR U	S	Ⅲ C 09/06/19	09:00	S1 19	0.00*			
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Event Types	7) DDE US		Ⅲ E 09/06/19		Q2 19				
🗖 📞 Earnings Call	8) UWN US	;	Ⅲ E 09/06/19		Q4 19				
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TV/Conf/Pres	13) CLDPQ	US	⊞ E 09/06/19		Q2 19				
Shareholder Mtgs	14) SHRC U	S	⊞ E 09/06/19		Q2 19				
Custom/Notes	15) DIMC U	S	Ⅲ E 09/06/19		Q2 19				

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

< > APPLE IN	> APPLE INC Equity ▼ ETF ▼ Related Functions Menu ≫ Message								essage	**	⊑▼ ☆▼ <mark>?▼</mark>
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		83.15M	202,271.	262,271.00	+18.74%	-18,3	50	+1.84%	505	Y	N
12) IVV 12) VOO		4.54M 2.20M	102,933.	10 182,933.00	+18.746	+7,50	15.98 H	+1.58%	500	Ý	IN N
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13) QQQ 16) VEΔ		0 67M	71 153	73,089.30	+10.83%	<u>+</u> 35	9 66	+7 88%	2 0 2 5 7 0 2 5	V	N
17) TEFA		8 35M	63 692	63 692 00	+11 07%	+7.08	86.84	+3 25%	2 472	Ý	N
18) VWO	US	12.23M	61,230	61,230,90	+8.16%	+2.30	0.53 -	+2.68%	4,129	Ý	N
19) EFA	US	28.47M	58.020.	58.020.20	+11.19%	-9.48	86.12	+3.15%	1.134	Ý	N
20) IEMG	US	16.35M	53,373.	30 53,373.30	+4.55%	+2,75	9 . 93 -	+2.77%	2,363	Y	N
21) VTV	US	1.11M	48,401.	48,401.40	+12.93%	+2,09	94.47	+2.63%	, 353	Y	N
22) IJH	US	1.03M	48,159.	48,159.90	+14.29%	+84	5.77	+1.53%	400	Y	Ν
23) IWF	US	1.29M	45,134.	45,134.80	+23.14%	-2,03	34.04	+.79%	526	Y	N
24) IJR	US	3.82M	42,608.	42,608.00	+9.35%	+2,06	8.64 -	+1.49%	601	Y	N
25) VUG	US	710.93k	41,764.	10 41,764.10	+24.86%	+1,37	′ 6. 48 +	+1.10%	300	Y	N
ETF List Actions:	2) Sci	reen ETFs	FSRC »	3) Build S	Scoring Mod	el FSCO »		4) Se	earch for I	nvestors	IS »

How to find help and documentation for unfamiliar functions

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

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1) Earnings History ERN »		2) Consensus Overviev	v EEO »	3) Analyst	
Next Announcement	(E) 10/31/19	Trailing 12M P/E	17.81	Buy/Hold/Sel	l 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 Overv	iew (Q4/19)	22) Prior Period A	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

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	Getting Started with the B	loomberg > Help Page for EE
	Search EE Help Q	
	What Is EE?	What Is Earnings Estimates (EE)? 🖾 🖉
After clicking on Launch Help Page, a launchpad opens with the full documentation on	Control Area Earnings Summary Consensus Overview Earnings Trends BI Review Estimate Revisions Using EE Contacting IR Officers Customizing Analysis Actions Menu Analyzing Consensus	EE <go> provides a snapshot of aggregated broker earnings projections, surprise earnings data, and a summary of earnings history, so you can see a broad range of data for a specific equity, all in one place. The data displayed is synced with the company's reporting calendar, so you can anticipate and prepare for upcoming announcements, as well as quickly analyze the results from the most recent announcement. Available earnings estimates include Bloomberg's customizable consensus estimates (BEst).</go>
how to use the function.	Analyst Distribution Price Reaction Current Multiples Consensus History Using Charts BI Review Data Colors Disclosure Shortcuts Brochures Definitions	The <i>Earnings & Estimates</i> screen is divided into a control area and five sections that provide an overview of earnings estimates data for the selected security, including links to further analysis and related functions. The control area allows you to customize the broker data included in the earnings analysis. Clicking the section title links allows you to access further analysis in related Bloomberg Professional® service functions with the security pre-loaded.

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 fillings (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**