

Financial Institutions and Markets

Financial Market

-What: A market in which financial assets (securities) such as stocks and bonds can be purchased or sold.

-Why: Funds are transferred in financial markets when one party purchases financial assets and another obtains funds.

Financial System as a part of Economic System

Financial markets transfer funds from those who have excess funds to those who need funds.

- Surplus units: participants who receive more money than they spend, such as investors.
- Deficit units: participants who spend more money than they receive, such as borrowers.
- Securities: documents, that represent a claim on the issuers
 - Debt securities debt (also called credits or borrowed funds) incurred by the issuer.
 - Equity securities (also called stocks) represent equity or ownership in the firm.

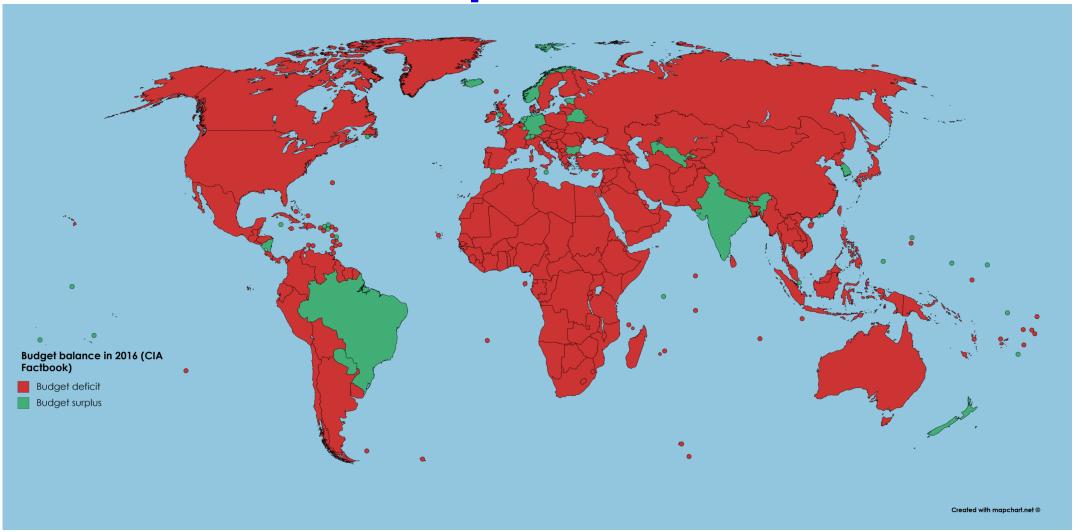
The Players

Demanders of capital – Firms

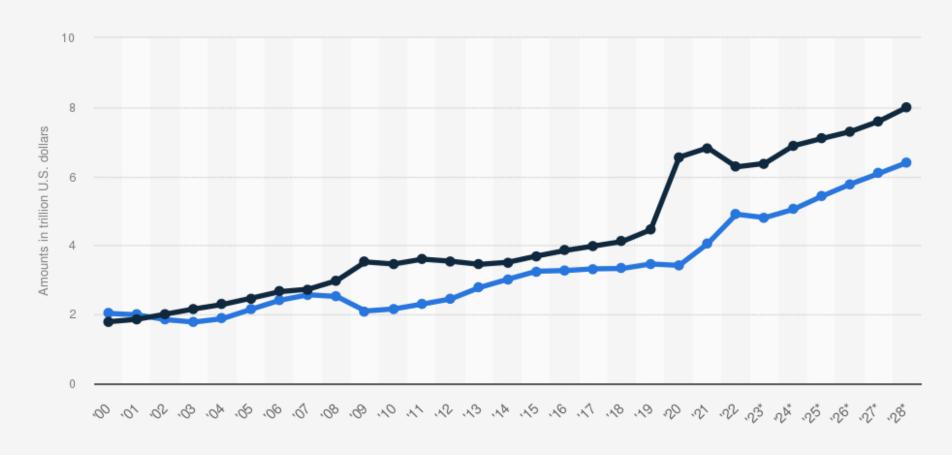
Suppliers of capital – Households

•Governments – Can be both borrowers or lenders??

Government: surplus or deficit unit?



Total receipts and outlays of the U.S. federal budget from fiscal years 2000 to 2028 (in trillion U.S. dollars)



Year

Receipts Outlays

© Statista 2024

The Players, cont.

Financial Intermediaries: Pool and invest/deposit funds

- Banks, Credit Unions
- Investment Companies/ Firms (ETFs, Mutual Funds providers)
- Insurance companies, Pension Funds

Financial Markets and the Economy

The Informational Role

Capital flows to companies with best prospects, market expectations

Consumption Timing

Use securities to store wealth and transfer consumption to the future

Allocation of Risk

Investors can select securities consistent with their tastes for risk - diversification, insurance products, derivative products

Separation of Ownership and Management

Agency problems arise when managers start pursuing their own interests instead of maximizing firm's value

Scheme of Agency Problems

```
Principal (Shareholders)
             (Delegates authority)
       Agent (Management/Executives)
             (Makes decisions)
         ٧
    Potential Agency Problems
Conflict of Interest
                           Information Asymmetry
Agents pursue
                    Agents have more
                                        Hidden actions
                                                           Hidden information
own interests
                    information than
                                        (not observable
                                                            (not known to
over principals
                    principals
                                        by principals)
                                                            principals)
```

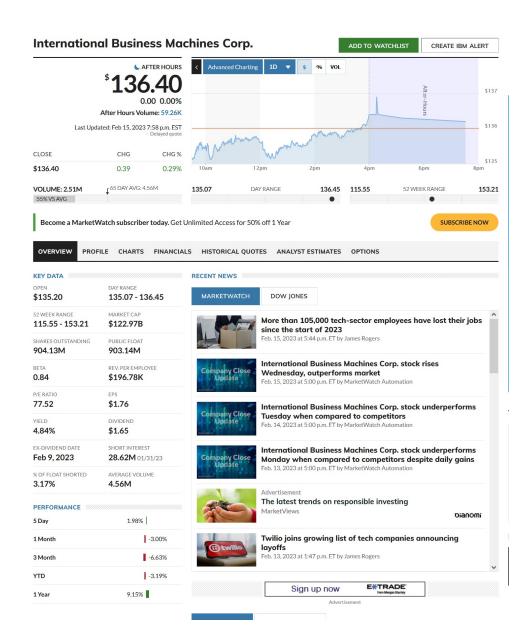
Mechanisms to mitigate agency problems:

Incentive Schemes: Aligning the interests of the agents with those of the principals through performance-based compensation, stock options, etc.

Monitoring and Reporting Requirements: Implementing rigorous monitoring mechanisms and requiring agents to report their actions and decisions.

Board of Directors: Establishing a board that includes independent directors who can oversee management actions and protect shareholders' interests.

Market Mechanisms: Relying on market mechanisms such as takeover threats, which can discipline management.



Ownership Summary

Institutional Ownership	59.87%
Total Shares Outstanding (millions)	904
Total Value of Holdings (millions)	\$73,837

Active Positions

ACTIVE POSITIONS	HOLDERS	SHARES
Increased Positions	1,201	41,119,573
Decreased Positions	1,013	16,439,799
Held Positions	316	483,768,912
Total Institutional Shares	2,530	541,328,284

New and Sold Out Positions

ACTIVE POSITIONS	HOLDERS	SHARES
New Positions	250	2,981,467
Sold Out Positions	95	1,597,742

Total New Increased Decreased Activity Sold Out

2,530 Institutional Holders

541,328,284 Total Shares Held

OWNER NAME	DATE	SHARES HELD	CHANGE (SHARES)	CHANGE (%)	VALUE (IN 1,000S) ▼
VANGUARD GROUP INC	12/31/2022	80,144,196	1,065,131	1.347%	\$10,931,668
BLACKROCK INC.	12/31/2022	72,340,106	2,429,128	3.475%	\$9,867,190
STATE STREET CORP	12/31/2022	53,447,207	263,719	0.496%	\$7,290,199
CHARLES SCHWAB INVESTMENT MANAGEMENT INC	12/31/2022	18,701,925	270,201	1.466%	\$2,550,943
MORGAN STANLEY	12/31/2022	16,592,094	3,084,458	22.835%	\$2,263,162
GEODE CAPITAL MANAGEMENT, LLC	12/31/2022	15,974,179	334,758	2.14%	\$2,178,878
JPMORGAN CHASE & CO	12/31/2022	13,854,516	2,835,119	25.728%	\$1,889,756
MONETA GROUP INVESTMENT ADVISORS LLC	12/31/2022	11,029,001	11,017,849	98797.068%	\$1,504,356
NORTHERN TRUST CORP	12/31/2022	10,383,305	-237,277	-2.234%	\$1,416,283
BANK OF AMERICA CORP /DE/	12/31/2022	9,773,081	508,020	5.483%	\$1,333,048
BANK OF NEW YORK MELLON CORP	12/31/2022	8,352,060	221,252	2.721%	\$1,139,221

Tesla Inc. ADD TO WATCHLIST CREATE TSLA ALERT

\$215.93

After Hours Volume: 3.58M

Last Updated: Feb 15, 2023 7:59 p.m. EST
- Delayed quote

CLOSE CHG CHG %

\$214.24 4.99 2.38%

\$215 \$210 \$205 \$205

214.66

101.81

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206.11

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384.29

52 WEEK RANGE

OVERVIEW PROFILE CHARTS FINANCIALS HISTORICAL QUOTES ANALYST ESTIMATES OPTIONS

DAY RANGE

DAY RANGE \$211.76 206.11 - 214.66 52 WEEK RANGE MARKET CAP 101.81 - 384.29 \$662.09B SHARES OUTSTANDING PUBLIC FLOAT 2.69B 3.16B BETA REV. PER EMPLOYEE 1.49 \$637.14K P/E RATIO EPS 59.07 \$3.63 YIELD DIVIDEND N/A N/A EX-DIVIDEND DATE SHORT INTEREST N/A 90.31M 01/31/23 % OF FLOAT SHORTED AVERAGE VOLUME 3.36% 156.49M PERFORMANCE 3.34% 5 Day 1 Month 68.47%

16.96%

73.92%

-26.66%

3 Month

YTD

MARKETWATCH DOW JONES Tesla Inc. stock rises Wednesday, outperforms market Feb. 15, 2023 at 4:32 p.m. ET by MarketWatch Automation Biden team says Tesla will open network to competitors, part of pledge for 500K EV chargers made 'as easy as filling with Feb. 15, 2023 at 1:10 p.m. ET by Rachel Koning Beals Elon Musk discloses Tesla stock gift to charity worth about \$2 billion. Last year, his donations all went to his own foundation. Feb. 15, 2023 at 11:50 a.m. ET by Steve Goldstein **AUTOS Ford Can't Catch Tesla on Costs. That's Why the CEO** Reimagined the Company. Feb. 15, 2023 at 11:36 a.m. ET by Barron's Advertisement The latest trends on responsible investing MarketViews Dianomi[®] **AUTOS Buy Calls on Tesla Stock Keep Piling Up. The** Cybertruck Is Key. Feb. 15, 2023 at 11:08 a.m. ET by Barron's

Sign up now

EXTRADE

TSLA Institutional Holdings

Ownership Summary

TSLA > TSLA INSTITUTIONAL HOLDINGS

Institutional Ownership	50.01%
Total Shares Outstanding (millions)	3,164
Total Value of Holdings (millions)	\$339,030

Active Positions

ACTIVE POSITIONS	HOLDERS	SHARES
Increased Positions	1,343	324,087,312
Decreased Positions	1,409	130,840,726
Held Positions	231	1,127,549,482
Total Institutional Shares	2,983	1,582,477,520

New and Sold Out Positions

ACTIVE POSITIONS	HOLDERS	SHARES
New Positions	264	18,731,658
Sold Out Positions	475	6,798,118

Total

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Increase

Dec

ecreased

ity Sold Out

2,983 Institutional Holders

1,582,477,520 Total Shares Held

OWNER NAME	DATE	SHARES HELD	CHANGE (SHARES)	CHANGE (%)	VALUE (IN 1,000S) ▼
VANGUARD GROUP INC	12/31/2022	217,857,401	4,832,884	2.269%	\$46,673,770
NATIXIS	12/31/2022	189,784,078	171,004,466	910.586%	\$40,659,341
BLACKROCK INC.	12/31/2022	177,731,918	5,870,959	3.416%	\$38,077,286
STATE STREET CORP	12/31/2022	98,998,366	-648,873	-0.651%	\$21,209,410
GEODE CAPITAL MANAGEMENT, LLC	12/31/2022	49,109,751	1,614,023	3.398%	\$10,521,273
CAPITAL WORLD INVESTORS	12/31/2022	48,431,324	-41,730,452	-46.284%	\$10,375,927
FMR LLC	12/31/2022	32,082,159	-6,346,743	-16.516%	\$6,873,282
NORGES BANK	12/31/2022	28,085,245	5,605,246	24.934%	\$6,016,983

Real Assets vs. Financial Assets

Real Assets

Examples: Land, buildings, machines, knowledge used to produce goods and services

Financial Assets

Examples: Stocks, bonds

Orange juice, Gold??

Financial Assets

- Cash and Cash equivalents
- Debt instruments
- •Promise either a fixed stream of income or a stream of income determined by a specified formula
- Common stock or equity
- •Represent an ownership share in the corporation
- Derivative securities
- •Provide payoffs that are determined by the prices of other assets
- •Alternative Assets (REITs, ETFs, Index Certificates, Asset Backed Securities: CDO, MBS, etc.)

BITCOIN MONEY

Morgan Stanley says Bitcoin is a new type of

asset

https://thenextweb.com/hardfork/2018/11/01/morgan-stanley-bitcoin-asset/

Traditonal Assets

Types of markets

Transfer of funds

Primary market vs. Secondary market

Maturity of instruments

Money market vs. Capital market

Types of assets

Securities market, Currency market, Derivatives market, Commodities market

Organization

Organized versus Over-the-Counter Markets

Primary versus Secondary Markets

- Bank-based or Market based systems
- Primary markets facilitate the issuance of new securities
- Secondary markets facilitate the trading of existing securities, which allows for a change in the ownership of the securities
 - Liquidity is the degree to which securities can easily be liquidated (sold) without a loss of value.
 - Pricing, if a security is illiquid, investors may not be able to find a willing buyer for it in the secondary market and may have to sell the security at a large discount just to attract a buyer.

WCAP

				Wo	rld Market Cap
	Current		1 Month	YTD	Pct Of
1) World	(Mil USD)		% Change	% Change	World
s) World	70484313	02/20	+3.73%	+5.45%	100.00%
2) Americas					
6) United States	26472831	02/20	+3.91%	+5.03%	37.56%
1) Canada	2119520	02/20	+4.88%	+6.94%	3.01%
8) Brazil	838832	02/20	+9.63%	+18.04%	1.19%
9) Mexico	325577	02/20	+10.70%	+5.23%	.46%
10) Chile	227042	02/20	+4.83%	+9.30%	.32%
3) Europe/Africa/ME					
11) United Kingdom	3234446	02/20	+2.96%	+4.46%	4.59%
12) France	1976742	02/20	17%	+1.44%	2.80%
13) Germany	1940395	02/20	+1.23%	+3.81%	2.75%
14) Switzerland	1536484	02/20	+2.73%	+4.91%	2.18%
15) Spain	659183	02/20	+.68%	+1.86%	.94%
4) Asia/Pacific					
16) Japan	5341649	02/20	+2.62%	+5.06%	7.58%
17) China	6709203	02/20	+4.61%	+3.43%	9.52%
18) Hong Kong	4332264	02/20	+3.82%	+7.91%	6.15%
19) India	1738605	02/20	+6.14%	+11.15%	2.47%
20) Australia	1280252	02/20	+4.15%	+9.63%	1.82%

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000 Јарал 81 3 3201 8900 — Singapore 65 6212 1000 — U.S. 1 212 318 2000 — Copyright 2017 Bloomberg Finance L.P. SN 163608 CET GMT+1:00 G384—1998—1 21—Feb—2017 11:47:14

United States of Am	erica	▼ Browse	14:22:0	8		Treasury	y & Money I	Markets
1) Fed Funds FOMC »	Fed O/N Repo	US T-Bill		E	URO\$DEP	R	Rev Repo (Bid	/Ask)
FDFD 1.5800 1.6100	SOFR 1.	57 4W 1.56	-0.02 1.58	3 1.54	ON 1.5700	1.6100 0)/N 1.63	1.59
OBFR01 1.58	TGCR 1.	55 2M 1.58	+0.00 1.57	7 1.55 1	lW 1.5800	1.6200 1	W 1.65	1.62
Comm Paper	BGCR 1.	55 3M 1.56	-0.01 1.55	5 1.53 2	2W 1.5800	1.6700 2	W 1.65	1.62
30D 1.590		6M 1.53	-0.01 1.52	2 1.50 1	lM 1.5700	1.6600 1	.M 1.65	1.62
90D 1.630		1Y 1.45	-0.02 1.44	1.41				
Dow Jones	S&P 500 E-Mini	Future	NASDAQ Cor	nposite In	dex	CRB Comm	nodity Index	
DJIA 29398.08 -25.23	SPX Fut 3367	.50 -13.50	CCMP	9731.18	+19.21	CRB	172.95	+0.68
2) US Bonds FIT »			SOFR Future		EUR\$ FUT	Funds Futu	,	BOR Fix
T 1 % 01/31/22 1.395	99-30 ⁵ 8 99-3	034 + 02	SFR1 98.	435 MAR	98.3425	FEB 98	8.418 0/N	1.57613
T 1 % 02/15/23 1.359 1	100-01 ¹ ₄ 100-	01+ + 03+	SFR2 98.	485 JUN	98.4600	MAR 98	8.430 1W	1.58325
T 1 % 01/31/25 1.377	99-31+ 99-3	1 ³ 4 + 06	SFR3 98.	595 SEP	98.5550	APR 98	8.435 1M	1.65825
T 1 ½ 01/31/27 1.464	100-06+ 100-	07+ + 09	SFR4 98.	710 DEC	98.6050	MAY 98	8.490 2M	1.66250
T 1 ½ 02/15/30 1.544	99-18+ 99	-19 + 12	SFR5 98.	825 MAR	98.7050	JUN 98	8.535 3M	1.69175
T 2 02/15/50 1.990	100-06 100	-07 +1-03	SFR6 98.	870 JUN	98.7300	JUL 98	8.560 6M	1.71000
4) Spot FX FXC » Key R	lates Sw	aps					1Y	1.79838
JPY 109.7100 Prime	e 4.75 3Y	1.3800	10Y Note Fu	ıture				
EUR 1.0834 BLR	3.50 5Y	1.3722	CBT	131-10	+ + 11	5) 30Y MB	S BBTM »	
GBP 1.3039 FDTR	1.75 10	Y 1.4922	Commoditie	:S		GNMA II 4	103-29 103	30 + 08
CHF 0.9808 Disco	unt 2.25 30	Y 1.6662	NYM WTI	51.3	29 -0.76	GOLD 4	104-29 104	-30 + 00
CAD 1.3256			GOLD	1587	51 +6.38	FNMA 4	104-19 104	-20 + 00
Economic Releases ECO >	>							
Date Time C A M R	Event				Period St	urv(M) Ad	ctual Prior	Revised
31) 02/18 16:30 US 🖘 🗘 📶 E	Empire Manufactu	ıring			Feb	5.0	4.8	3
32) 02/18 18:00 US 😃 📶	NAHB Housing Ma	rket Index			Feb	75	75	
	Net Long-term TI				Dec		\$22.9b	
Australia 61 2 9777 Јарал 81 3 4565 8900	8600 Brazil 5511 23) — Siпgapore 65	95 9000 Europe 4 6212 1000 U	4 20 7330 750 .S. 1 212 318	2000	Copyright 202	O Bloomberg F	52 2977 6000 Finance L.P. 382—0 18—Feb—203	20 14:22:08

93 <GO> to Save Germany as Default View

Ger	Germany - Browse 14:22:42									Γreasury	& Mon	ey Mai	rkets
Money	Money Rates Interbank			EURIBOR	Fix	EUR LIE	30R	Euro Swaps			OBL/BUNDs		
O/N DEP	0.500	0/N	-0.48000	1M	-0.4800	1M	-0.52100	1Y	-0.3859	-0.3784	1Y	-0.60	+0.00
O/N LEN	ID 0.250	T/N	-0.47000	3M	-0.4130	2M	-0.45457	2Y	-0.3899	-0.3869	2Y	-0.65	+0.00
1 Week	0.000	1M	-0.44500	6M	-0.3530	ЗМ	-0.43557	3Y	-0.3751	-0.3711	3Y	-0.67	+0.00
3M Repo	0.000	3M	-0.42250	1Y	-0.2940	6M	-0.39614	4Y	-0.3469	-0.3431	4Y	-0.66	-0.01
2) Govt	Bonds	6M	-0.37250			1Y	-0.31657	5Y	-0.3150	-0.3090	5Y	-0.63	-0.01
2Y	-0.651	9M	-0.34750					6Y	-0.2750	-0.2690	6Y	-0.61	-0.01
5Y	-0.626	1Y	-0.31250	Effective	0/N			YY	-0.2305	-0.2245	7Y	-0.58	-0.01
10Y	-0.420	Euro FRA	S	EONIA	-	0.4530	+0.0020	8Y	-0.1795	-0.1761	8Y	-0.54	-0.02
30Y	0.093	1x4	-0.4150	EURONIA	-	0.5637	-0.0118	9Y	-0.1275	-0.1236	9Y	-0.49	-0.02
Spot FOR	REX	3x6	-0.4300	€STR	-	0.5410	+0.0000	10Y	-0.0720	-0.0720	10Y	-0.42	-0.02
€/GBP	0.8309	6x9	-0.4550	Futures				20Y	0.2925	0.2955	20Y	-0.14	-0.02
€/USD	1.0834	9x12	-0.4630	BUND EU	ΙX	174.72	+0.27	30Y	0.3233	0.3277	30Y	0.09	-0.02
€/JPY	118.8575	1x7	-0.3620	BUXL EU	X	209.54	+0.92						
		3x9	-0.3780	BOBL EU	X	134.78	+0.03	Stock I	indices				
BuBills		6x12	-0.3940	SCHATZ	EUX	112.04	+0.00	DAX		13	3689.25		-94.64
1st -(0.566 -0.019	12x18	-0.3960	EURIBOR	2	100.42	+0.00	HDAX			7643.78		-47.63
2nd -(0.586 +0.000	18x24	-0.3830	3M EUX		100.44	+0.00	DAX FU	IT	1	3686.00		-94.50

Economic Releases | ECO »

	Date Time	С	Α	М	R	Event	Period	Surv(M)	Actual	Prior	Revised
31)	02/18 13:00	GE	⊲ા	Û	all	ZEW Survey Expectations	Feb	21.5	8.7	26.7	
32)	02/18 13:00	GE	41	Û	all.	ZEW Survey Current Situation	Feb	-10.0	-15.7	-9.5	
33)	02/20 10:00	GE	숙i	Û	al	GfK Consumer Confidence	Mar	9.8		9.9	
34)	02/20 10:00	GE		Û	<u>. I</u>	PPI MoM	Jan	0.1%		0.1%	
35)	02/20 10:00	GE		Û	<u>. I</u>	PPI YoY	Jan	-0.4%		-0.2%	

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Types of Financial Institutions in Financial Markets

1. Role of Depository Institutions

- Commercial Banks
- Savings Institutions
- Credit Unions

2. Role of Nondepository Financial Institutions

- Finance Companies
- Mutual Funds
- Securities Firms
- Insurance Companies
- Pension Funds

Balance Sheet

As of December 31, 2016 (000s)

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Assets

Liabilities

Cash	481	Accounts Payable	625
Marketable Securities	1,346	Current Portion L-T Debt	1,021
Accounts Receivable	1,677	Taxes Payable	36
Inventory	2,936	Accrued Expenses	157
Prepaid Expenses	172	Total Current Liabilities	1,839
Other Current Assets	58		31199
Total Current Assets	6,670	Long-term Debt	2,332
		Total Liabilities	4,171
Gross Value of Property, Plant & Equipment	2,019	Owner's Eq	uitv
Accumulated Depreciation	(664)	Common Stock and Paid-in Cap	194
Net Property, Plant,	1,355	Retained Earnings	4.009
Equipment		Total Shareholders' Equity	4,203
Note Receivable	349		
		Total Liabilities and	
Total Assets	8,374	Equity	8,374

What the Company Owes

hareholders Equit

Type of Financial Markets Primary versus Secondary Markets

- New Issue of Securities
- Exchange of Funds for Financial Claim
- Funds for Borrower; an IOU (I owe you)
 for Lender

- Trading Previously Issued Securities
- No New Funds for Issuer
- Provides Liquidity for Seller (market makers, electronic networks, etc.)

Money market versus Capital Market Securities Markets

Money versus

- Short-Term, < 1 Year</p>
- High Quality Issuers
- Debt Only
- Primary Market Focus
- Liquidity Market--Low Returns

Capital Markets

- Long-Term, >1Yr
- Range of Issuer Quality
- Debt and Equity
- Secondary Market Focus
- Financing Investment--Higher Returns

Capital Market Securities

Facilitate the sale of long-term securities by deficit units to surplus units.

- Bonds long-term debt securities issued by the Treasury, government agencies, and corporations to finance their operations.
- Stocks represent partial ownership in the corporations that issued them.
- Alternative asset classes

51/4% REPAYABLE 15TH NOVEMBER, 1987



RINTED BY THE AUTHORITY OF THE COVERNMENT OF THE COMMONWEALTH OF AUSTRALIA

51/4% DEF 001067
INTEREST FOR SIX MONTHS
ON \$20
REPAYABLE 1987
\$0.52

51/4% DEF 001067
INTEREST FOR SIX MONTHS 15TH NOV...1986
ON \$20
REPAYABLE 1987 \$0.53

51/4% DEF 001067

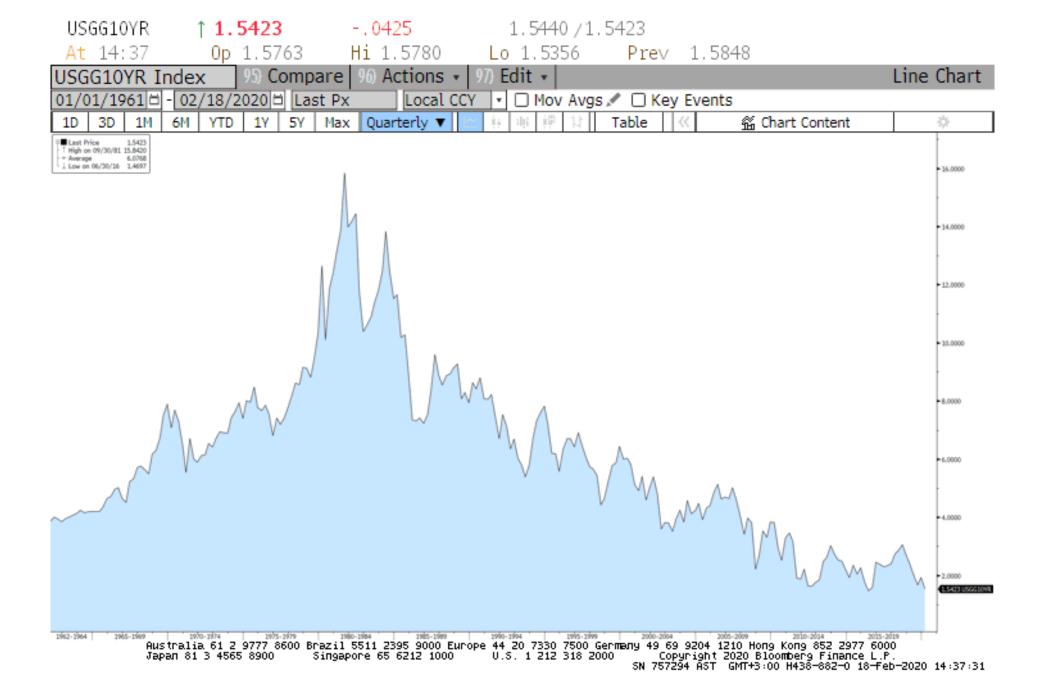
INTEREST FOR SIX MONTHS
01 \$20
REPAYABLE 1987

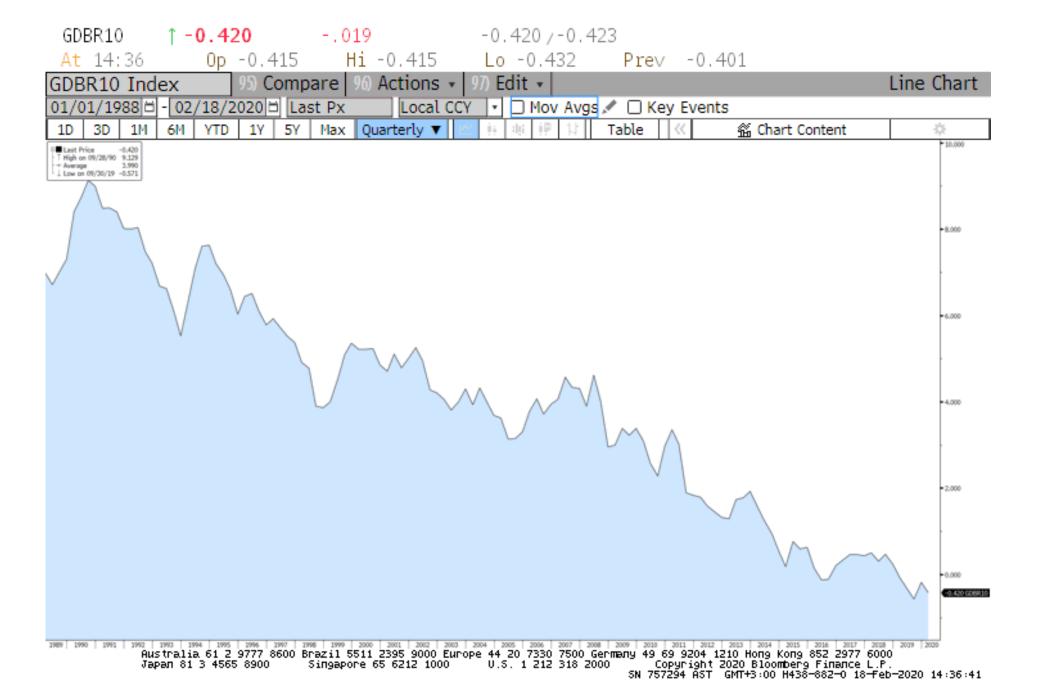
\$0.52

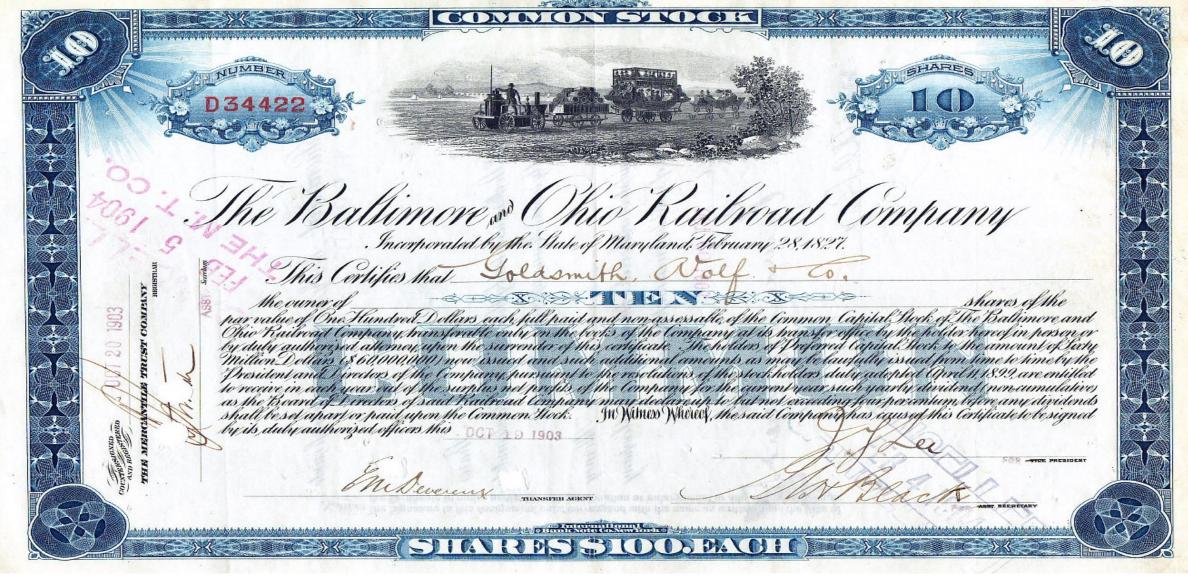
51/4% DEF 001067

INTEREST FOR SIX MONTHS
ON \$20
REPAYABLE 1987

\$0.53



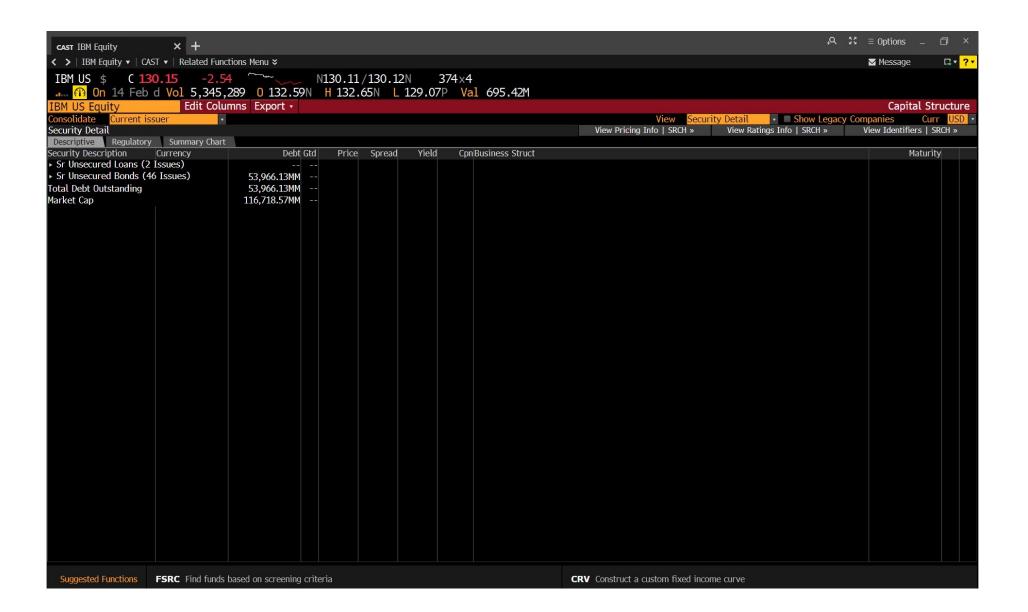


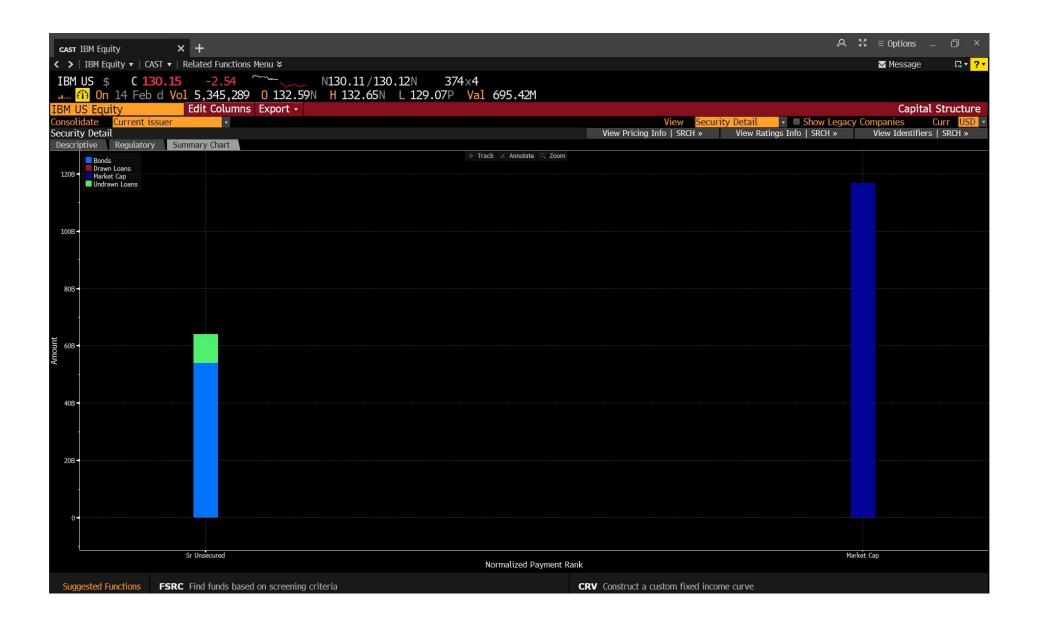


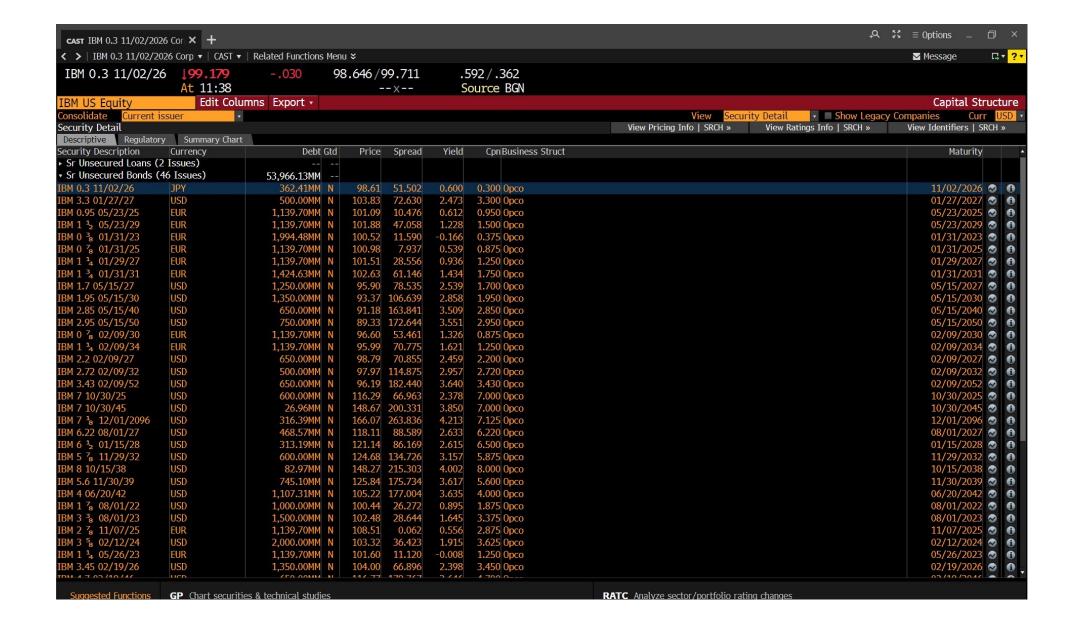




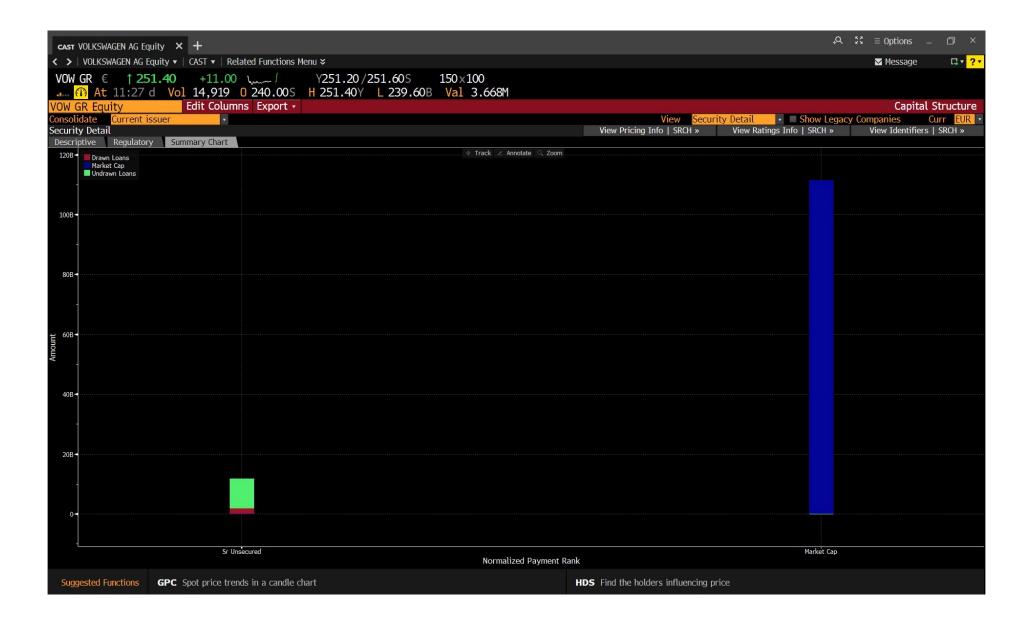


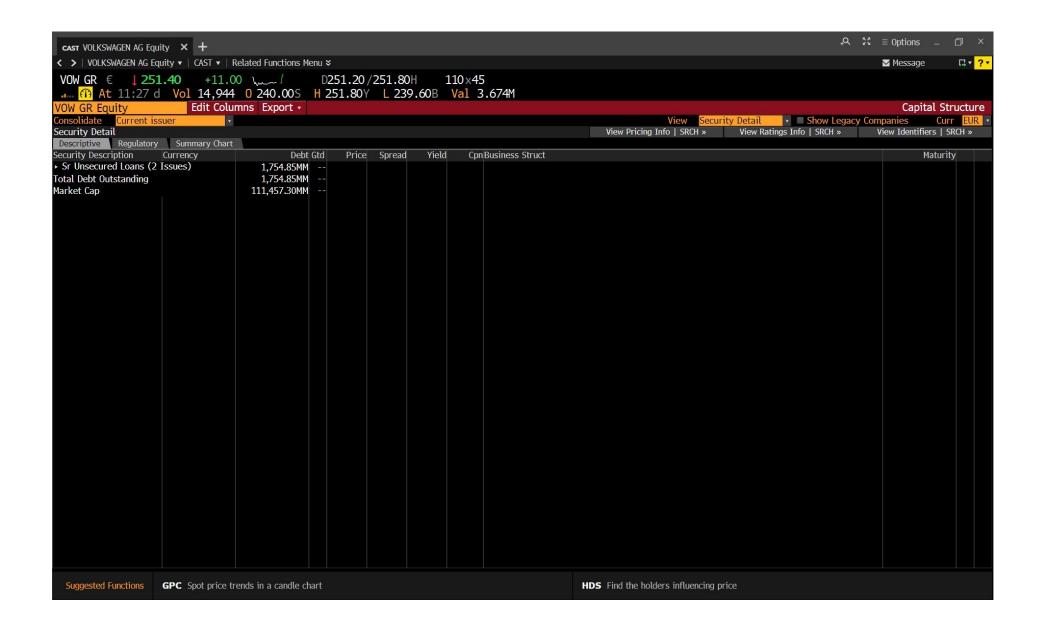












Advantages and Disadvantages: Debt vs. Equity in company financing process

Debt Financing:

- Advantages:
 - Tax-deductible interest.
 - Maintains ownership and control of the company.
 - Fixed repayment schedule.
- Disadvantages:
 - Obligation to repay with interest regardless of business performance.
 - Can affect the company's credit rating.
 - Increased financial risk due to leverage.

Equity Financing

- Advantages:
 - No obligation to repay investors.
 - Access to funds without incurring debt.
 - Investors often bring additional skills and resources.
- Disadvantages:
 - Dilution of ownership and control.
 - Potential for conflict with investors.
 - Sharing of profits.



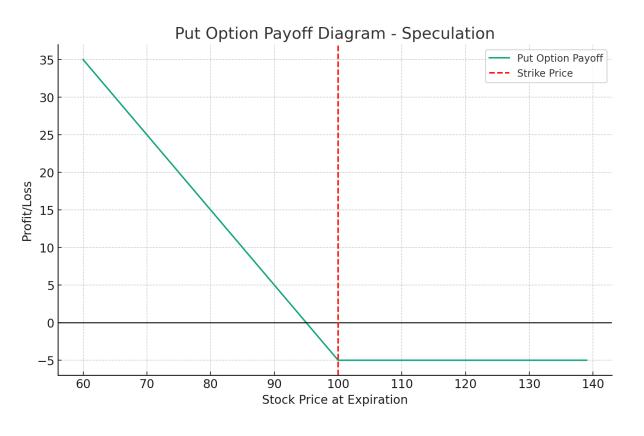
Derivative Securities

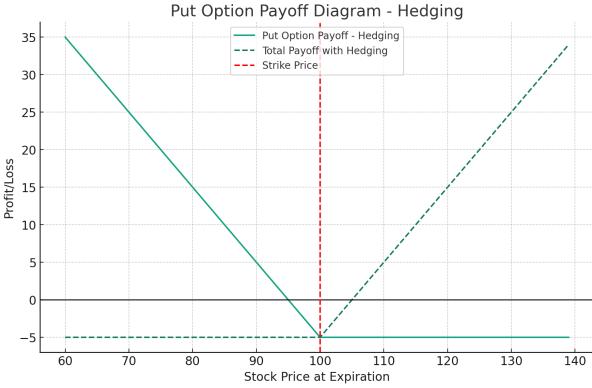
Derivative Securities - financial contracts whose values are derived from the values of underlying assets, traded in **derivative market**

Purpose:

- Risk management financial institutions and other firms can use derivative securities to adjust the risk of their existing investments in securities
- Speculation allow an investor to speculate on movements in the value of the underlying assets without having to purchase those assets.

Speculation and Hedging with an option

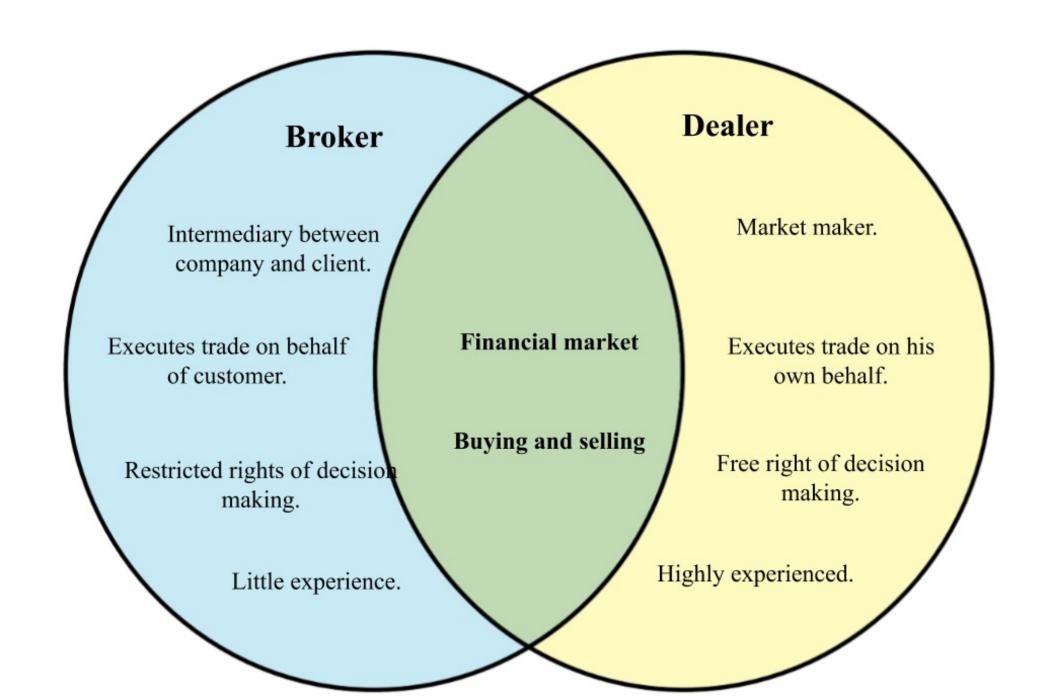




Dealers and brokers roles in the secondary markets

Securities brokers and dealers are crucial to a well-functioning secondary market.

- Brokers
- Dealers



Dealers

- Market Making: Dealers act as market makers by buying and selling securities from their own inventory. They provide liquidity to the market, which means they make it easier for investors to buy and sell securities by always standing ready to buy (bid) or sell (ask) at publicly quoted prices.
- Setting Bid-Ask Spreads: The difference between the price at which a dealer is willing to buy a security (bid price) and the price at which they are willing to sell it (ask price) is known as the bid-ask spread. This spread is a source of profit for dealers and compensates them for the risk of holding securities in their inventory.
- Price Discovery: Through their trading activities, dealers help in the price discovery process, contributing to more efficient markets by reflecting all available information in the prices of securities.

Brokers

- Acting as Intermediaries: Unlike dealers, brokers do not buy or sell securities from their own accounts. Instead, they act as intermediaries between buyers and sellers, facilitating transactions without taking on the risk of holding the securities themselves.
- Providing Access and Advice: Brokers provide investors access to the secondary markets and often offer advice, research, and investment services to help their clients make informed decisions.
- Executing Orders: Brokers execute orders on behalf of their clients, striving to achieve the best possible execution prices. They may operate in various markets, including stock exchanges and electronic trading platforms.
- Charging Commissions or Fees: Brokers typically earn revenue by charging commissions

or fees for the transactions they facilitate. These fees can be structured in various ways, \mathbb{N} \mathbb{U} \mathbb{N} \mathbb{I} Define footer – presentation title / department

depending on the services provided.



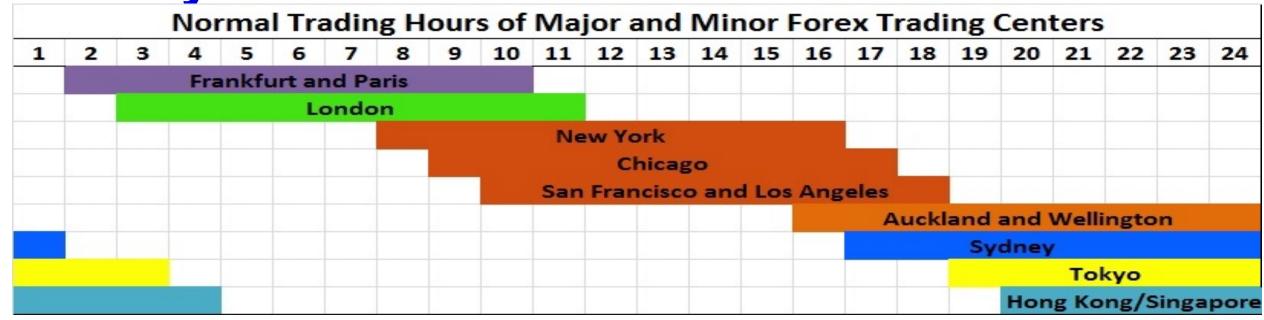
Type of Financial Markets

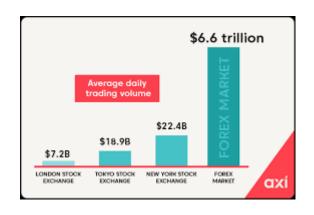
- Stock Exchange
- Visible Marketplace
- Members Trade
- Securities Listed
- New York Stock Exchange
- NASDAQ (2006)

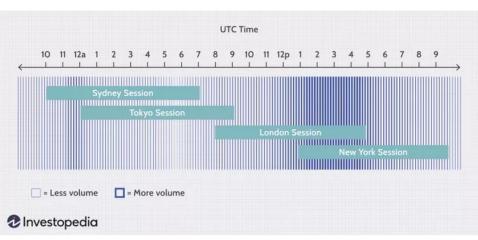
- OTC
- Wired Network of Dealers
- No Central, Physical Location
- All Securities Traded off the Exchanges
- Forex

Because over-the-counter dealers are in computer contact and know the prices set by one another, the OTC market is very competitive and not very different from a market with an organized exchange.

5 p.m. EST on Sunday until 5 p.m. EST on Friday









Thank you for your attention