

Introduction to Stock Markets

Stephen Hart's Economics Class, Redwood High School
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- What is a stock?
- How do you buy them?
- What is the stock market?
- How is a stock's price determined?
- When should you buy or sell a stock?
- Some additional terminology
- Summary



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What is a stock?



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Stocks Represent Ownership

• Why do companies issue stocks?

- Raise money to, for example:
 - o Recoup investment
 - Raise money for growth or expansion

• Why do people own stocks?

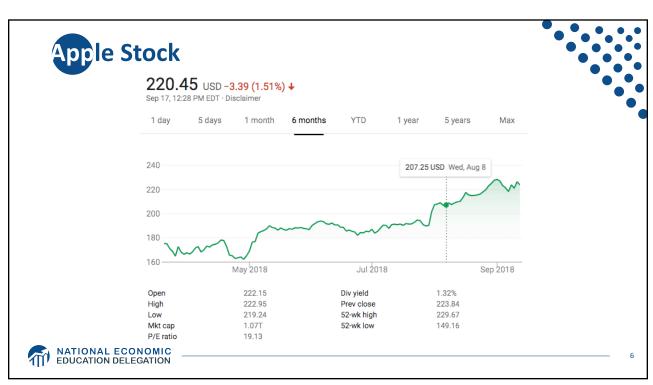
- To make more money
 - o Buy low sell high!





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Are There Other ways to Raise Money?

- Equity (ownership):
 - Stocks
- Debt:
 - Bonds
 - Loans





More About Stocks

• There are different types

- Common
 - o High return, voting rights
 - Last to get paid
- Preferred
 - More like debt than equity
 - No voting rights
 - o 2nd to last to get paid
 - o Receive a stream of dividends
- Other types?
 - o A great many: different classes (A, B, ...). Generally about voting power.



aim predetermined



Kind of like interest on the money invested in a stock

- Larger more established companies pay stock owners a **quarterly share of profits**
- Smaller growth oriented companies tend not to pay dividends

How are they paid?

- Cash Dividend
- Stock Dividend: Sometimes paid in additional shares of stock





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How do you buy a stock?

- Through a stock broker
- Stock brokers are members of an exchange
 - NASDAQ
 - NYSE
- Stocks are "listed" on the exchange
 - Initial Purchase Offering (IPO)
 - If they have:
 - \$10 million in earnings over 3 years
 - \$100 million in shares outstanding

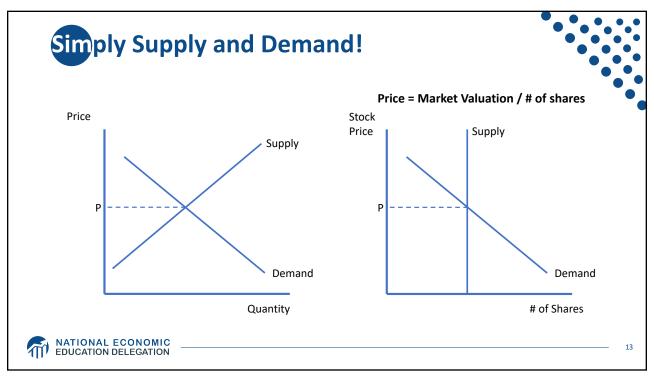


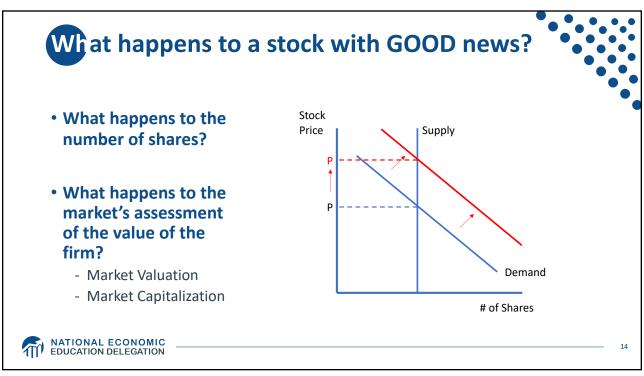


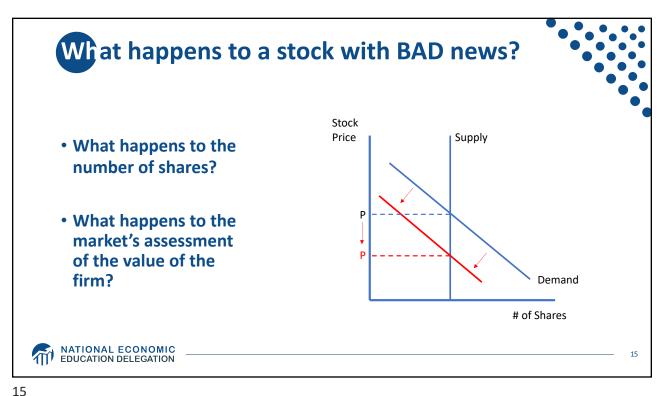
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• Sense of the market - Demand • # of outstanding Shares - Supply • Price = Market Valuation / # of shares # of Shares



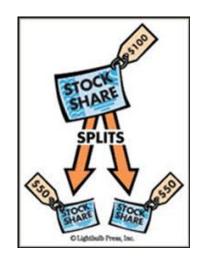






Stock Dividends often Called "Stock Split"

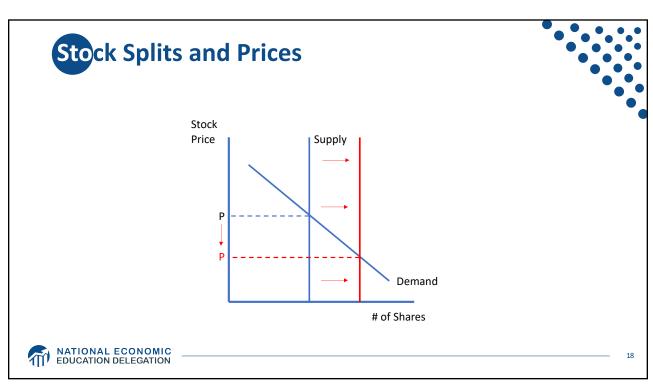
- Split: Generally doubles the # of shares outstanding
 - What happens to share prices?
- Can be any ratio even a reduction in the number of shares outstanding

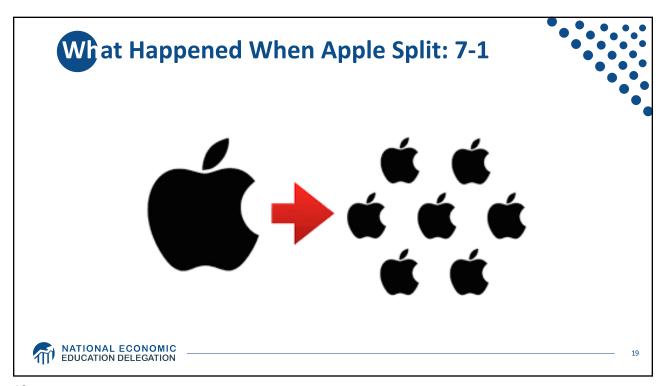


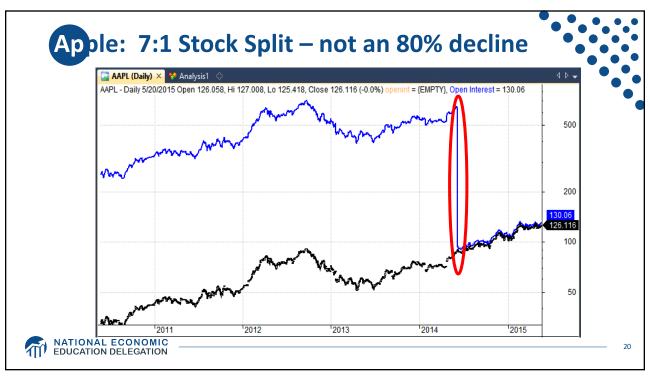


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- Flippant: When you think the price will rise!
- When you have done your homework
- When it hits your "buy" price
- When stocks are on sale



• Too many statistics, but one is important:

PE Ratio = Price/Earnings



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- Basically: the higher earnings are, the higher prices should be
- Comparing "price per share" with "earnings per share"

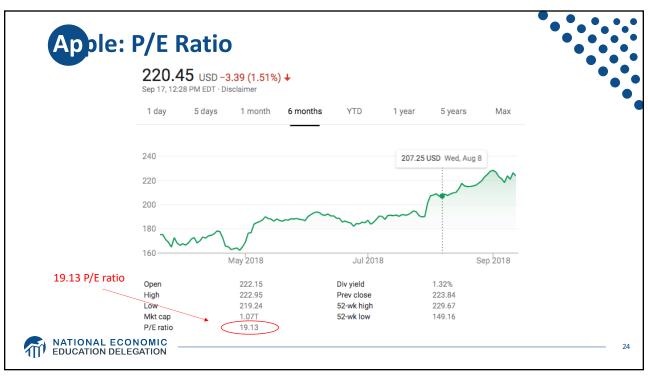
Market P/E Ratio: 25.09 for S&P 500

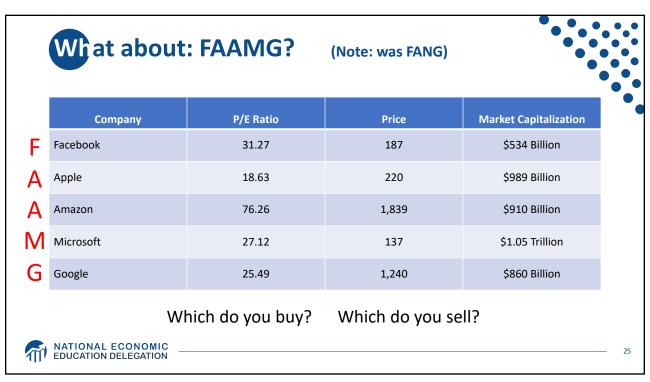
- If the P/E ratio is high, simple expectation is for price to fall
- If the P/E ratio is low, simple expectation is for price to rise
- What about Apple's P/E ratio?



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Summary of When to Buy and Sell

- Do your research!
- Know that it is very difficult to pick winners!
- Know that things can change in a hurry!





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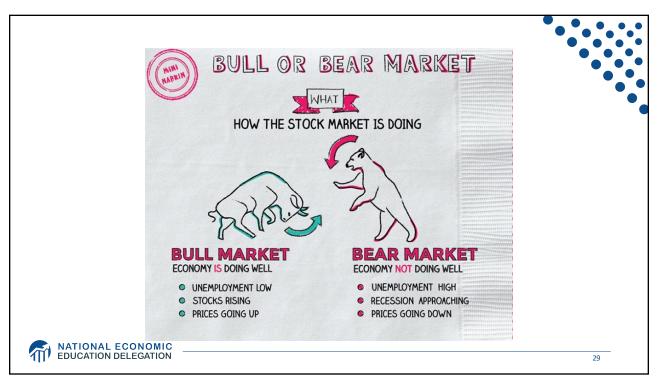
Additional Terms

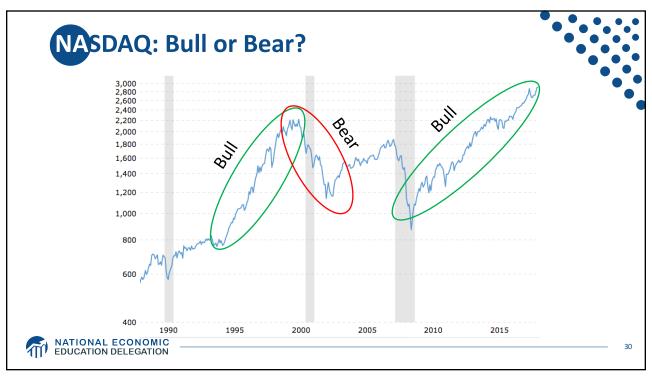
- Stock buyback
- Short selling
- Indexed funds/ETFs
 - Dow, NASDAQ, S&P500
- Bear market
- Bull market





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Stock Market Summary

- Basically an investment in:
 - The economy
 - A small part of the economy
- Great way to generate wealth
- Great way to reduce your wealth
- Rewards specialized knowledge
- Filled with conflicts of interest





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Any Questions?

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