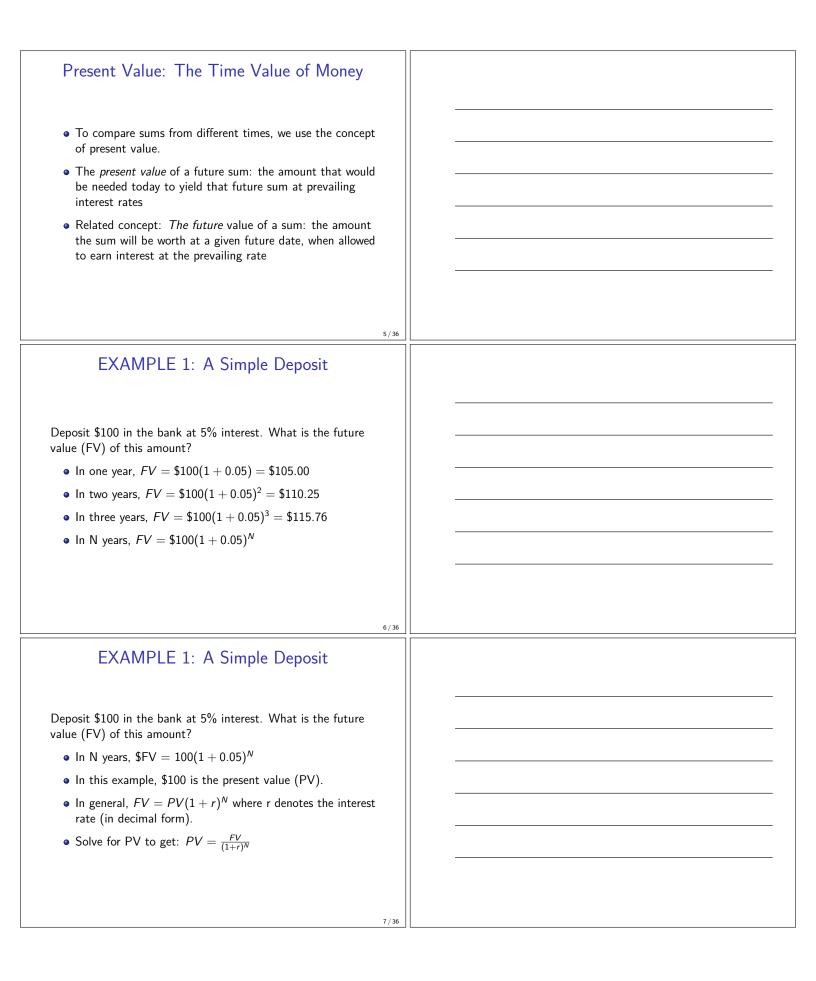
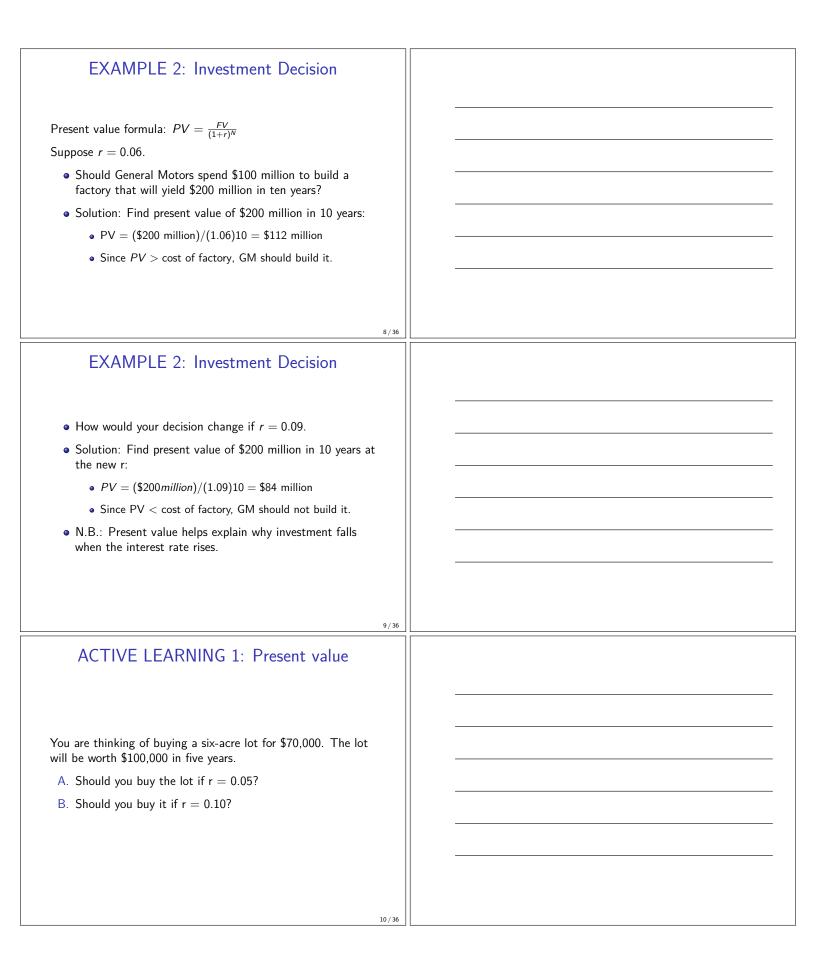
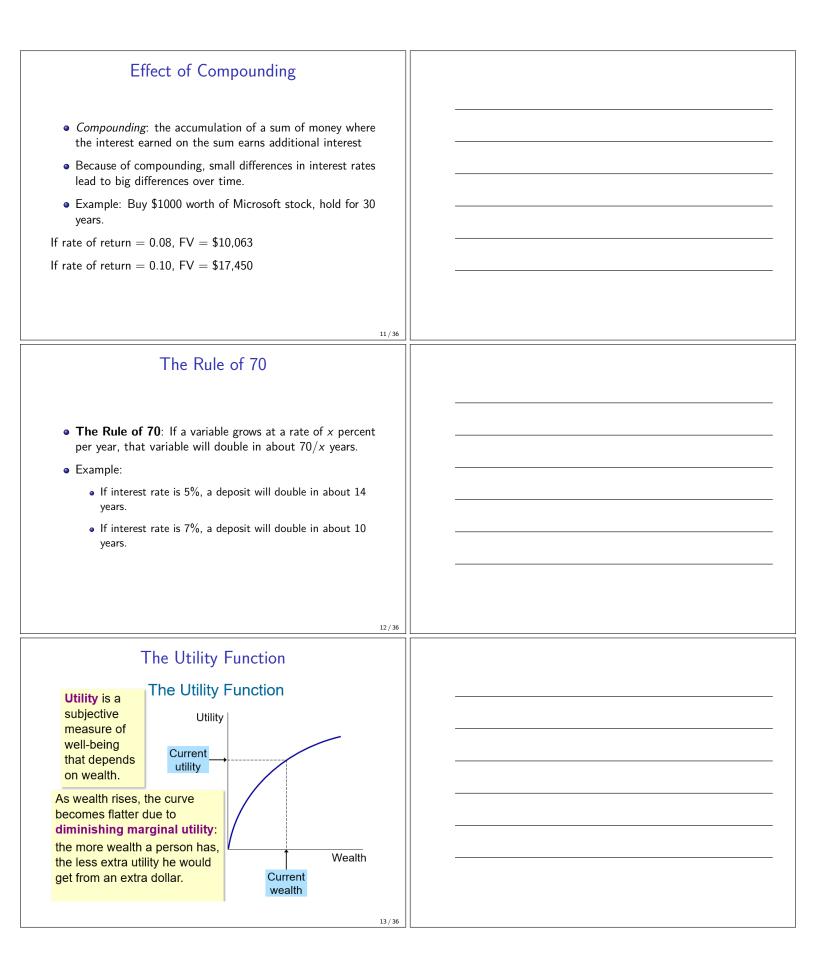
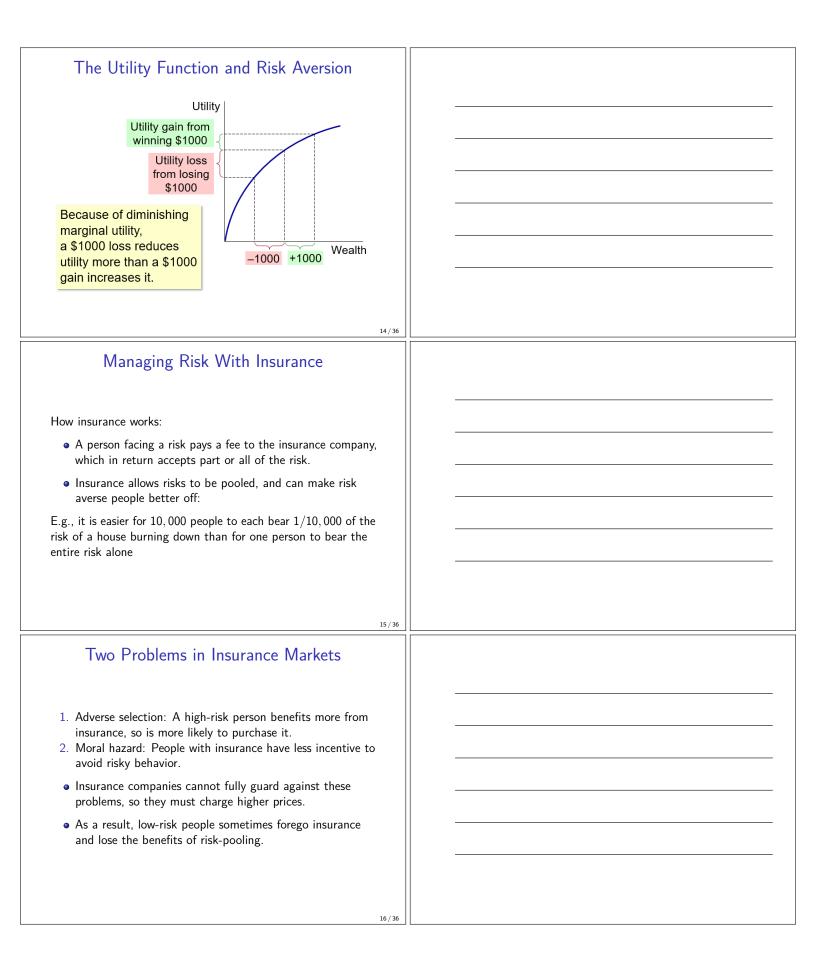
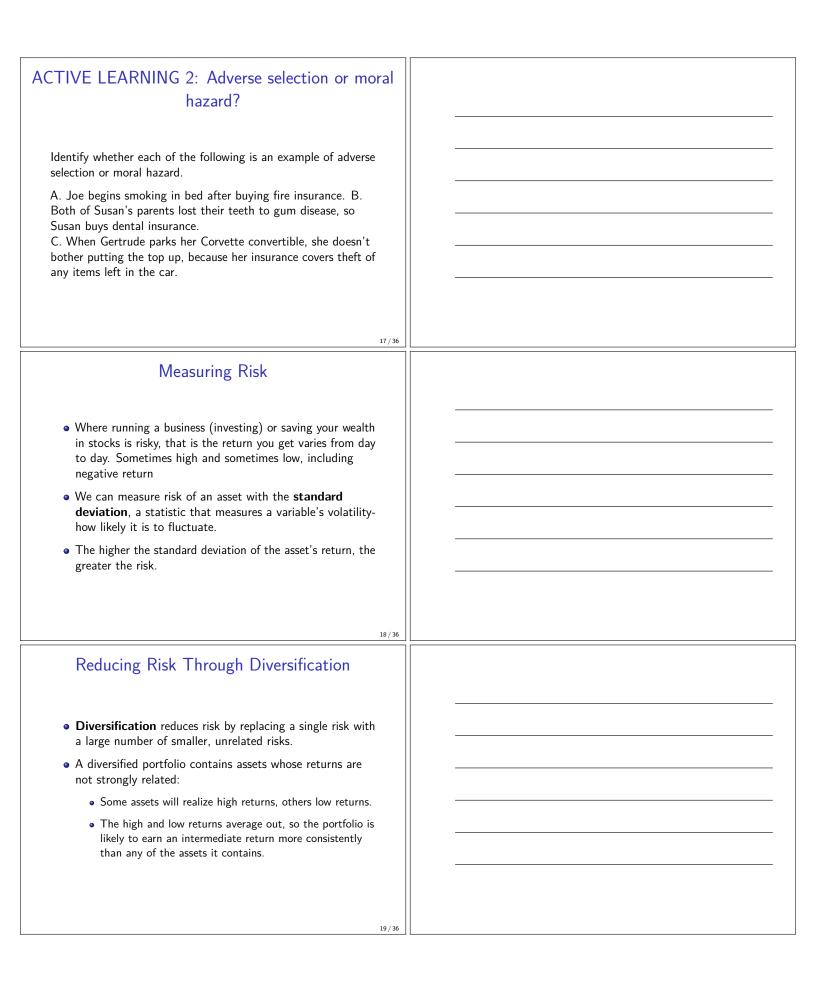
| Principels of Personal Finance | |
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| Abel Embaye | |
| Department of Economics UofA | |
| March 10, 2025 | |
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| Chapter Objectives | |
| | |
| In this chapter, look for the answers to these questions | |
| • What is "present value"? How can we use it to compare sums of money from different times? | |
| Why are people risk averse? How can risk-averse people use insurance and diversification to manage risk? | |
| What determines the value of an asset? What is the "efficient markets hypothesis"? Why is beating the market | |
| nearly impossible? | |
| | |
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| Introduction | |
| | |
| | |
| The financial system coordinates saving and investment.Participants in the financial system make decisions | |
| regarding the allocation of resources over time and the handling of risk. | |
| • Finance is the field that studies such decision making. | |
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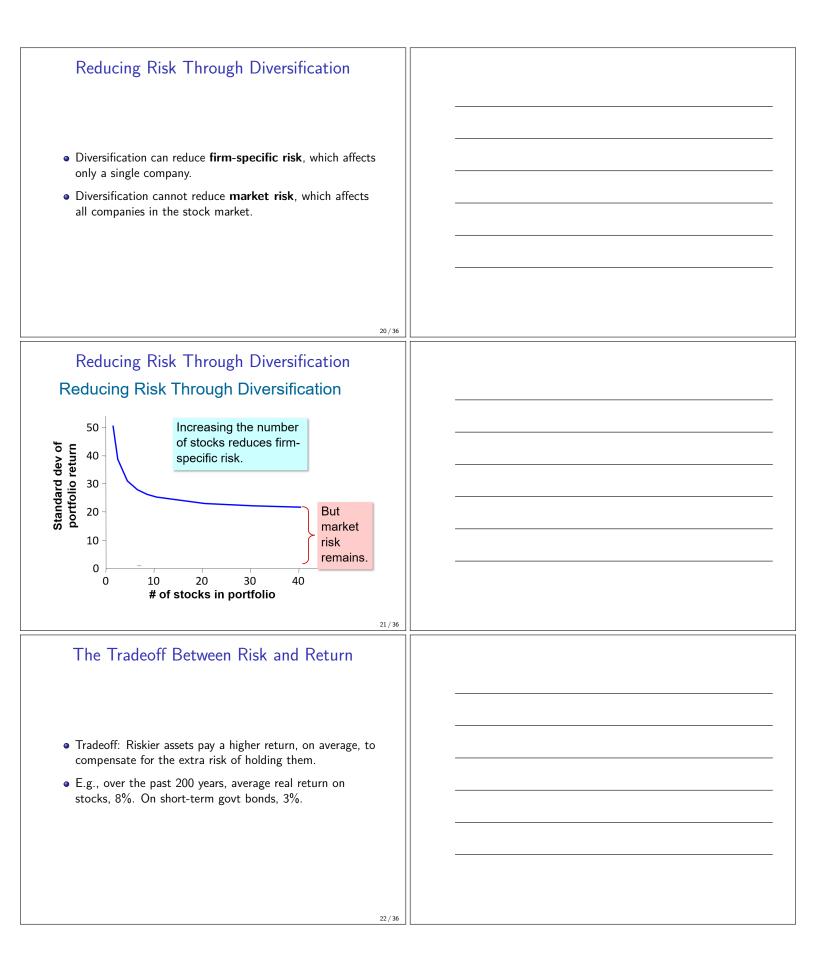


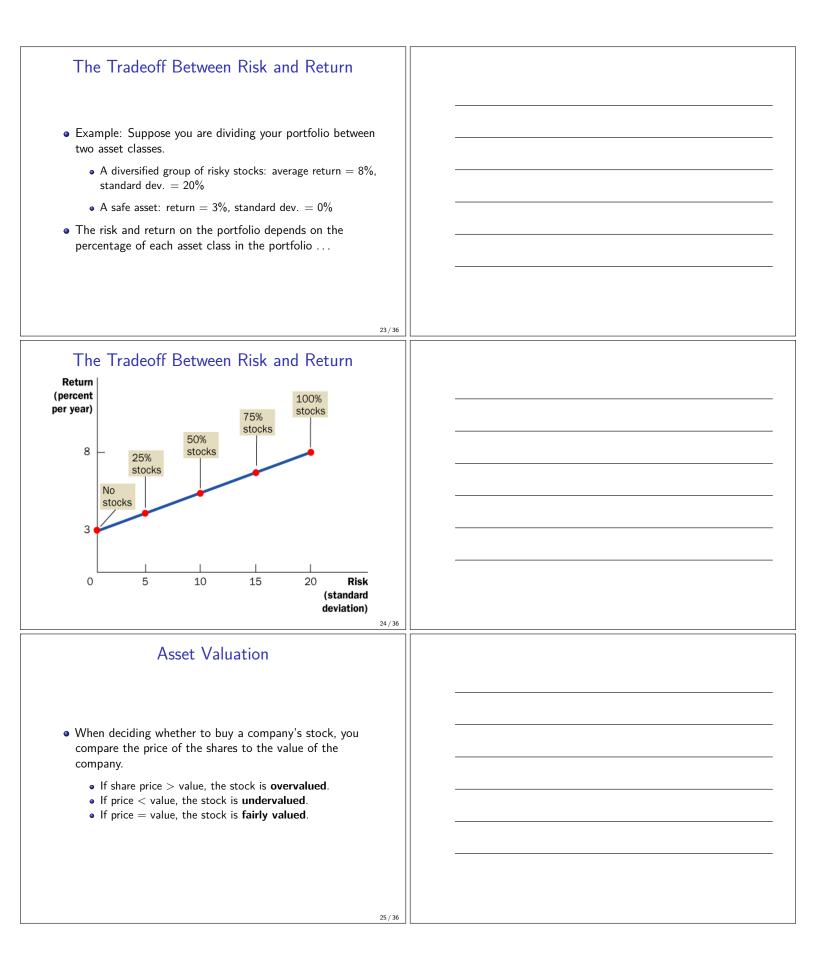


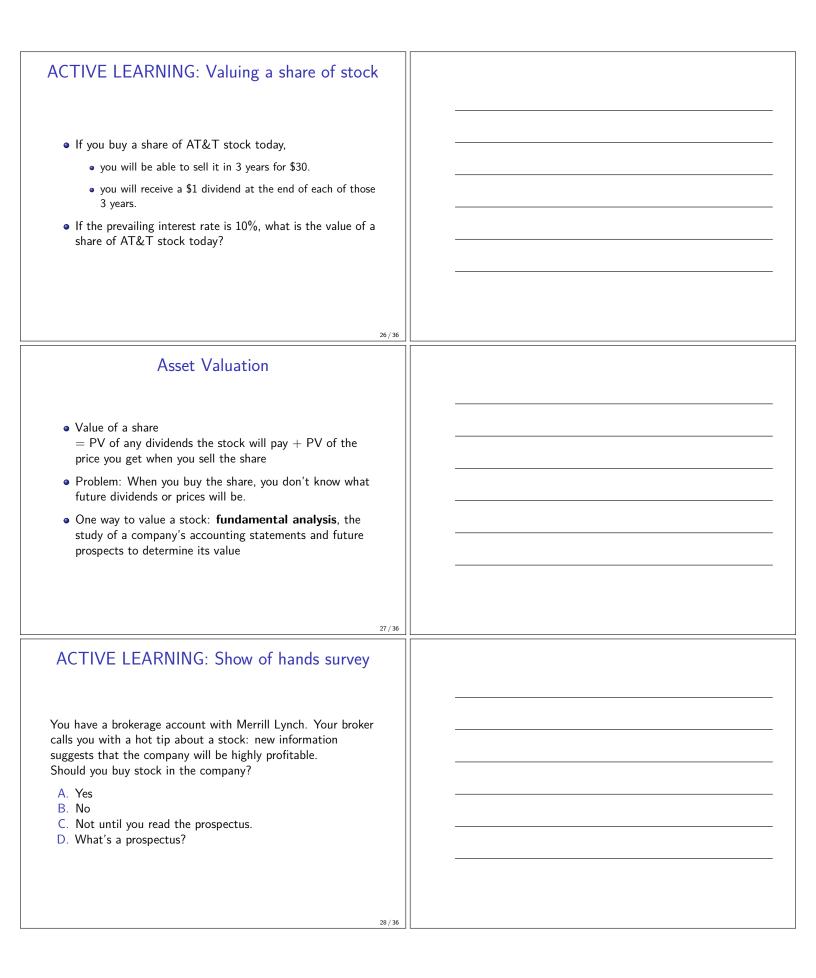












| The Efficient Markets Hypothesis | |
|---|--|
| • Efficient Markets Hypothesis (EMH): the theory that each asset price reflects all publicly available information about the value of the asset | |
| | |
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| Implications of EMH | |
| 1. Stock market is informationally efficient : Each stock price reflects all available information about the value of the company. | |
| 2. Stock prices follow a random walk : A stock price only changes in response to new information ("news") about the company's value. News cannot be predicted, so stock price movements should be impossible to predict. | |
| 3. It is impossible to systematically beat the market.By the time the news reaches you, mutual fund managers will have already acted on it. | |
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| Index Funds vs. Managed Funds $(1/2)$ | |
| • An <i>index fund</i> is a mutual fund that buys all the stocks in a given stock index. | |
| An actively managed mutual fund aims to buy only the best stocks. | |
| Actively managed funds have higher expenses than index funds. | |
| • EMH implies that returns on actively managed funds should not consistently exceed the returns on index funds. | |
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Index Funds vs. Managed Funds (2/2)

| | 2001–2006 annualized return | 2006 expense ratio |
|-------------------------------|-----------------------------------|--------------------------|
| S&P 500 (index fund) | 6.2% | .351 |
| Managed large cap funds | 5.9 | 1.020 |
| S&P MidCap 400 (index fund) | 10.9 | .535 |
| Managed mid cap funds | 8.1 | 1.458 |
| S&P SmallCap 600 (index fund) | 12.5 | .550 |
| Managed mid cap funds | 10.3 | 1.272 |

Market Irrationality

- Many believe that stock price movements are partly psychological:
 - J.M. Keynes: stock prices driven by "animal spirits," "waves of pessimism and optimism"
 - Alan Greenspan: 1990s stock market boom due to "irrational exuberance"
- **Bubbles** occur when speculators buy overvalued assets expecting prices to rise further.
- The importance of departures from rational pricing is not known.

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CONCLUSION

- This chapter has introduced some of the basic tools people use when they make financial decisions.
- The efficient markets hypothesis teaches that a stock price should reflect the company's expected future profitability.
- Fluctuations in the stock market have important macroeconomic implications, which we will study later in this course.