

## Diversifiable Risk

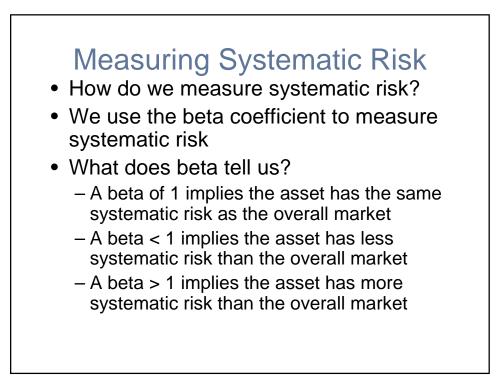
- The risk that can be eliminated by combining assets into a portfolio
- Often considered the same as unsystematic, unique, or asset-specific risk
- If we hold only one asset, or assets in the same industry, then we are exposing ourselves to risk that we could diversify away

## Total Risk

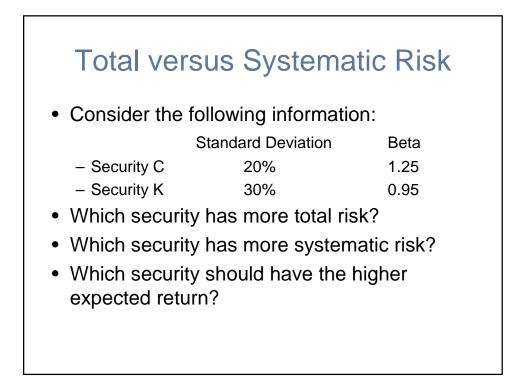
- Total risk = systematic risk + unsystematic risk
- The standard deviation of returns is a measure of total risk
- For well-diversified portfolios, unsystematic risk is very small
- Consequently, the total risk for a diversified portfolio is essentially equivalent to the systematic risk

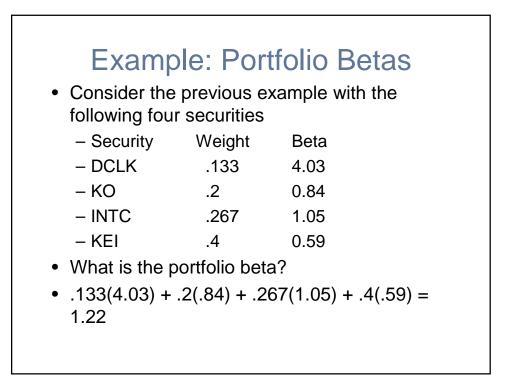
## Systematic Risk Principle

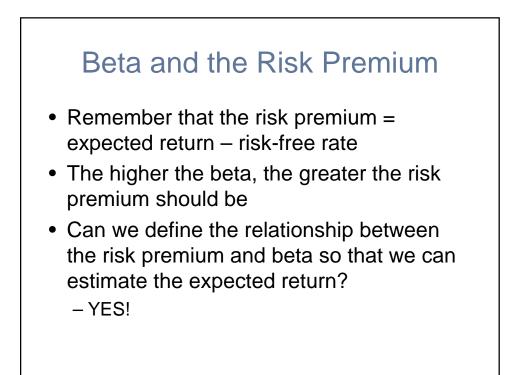
- There is a reward for bearing risk
- There is not a reward for bearing risk unnecessarily
- The expected return on a risky asset depends only on that asset's systematic risk since unsystematic risk can be diversified away

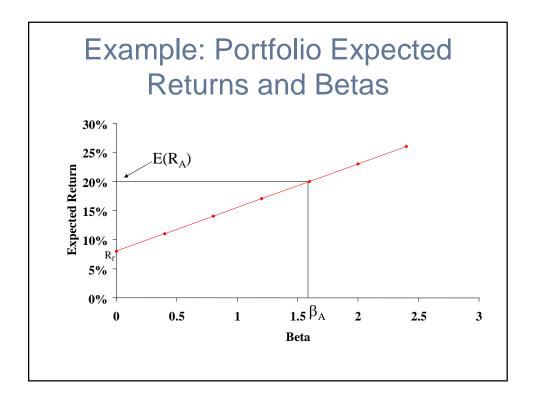


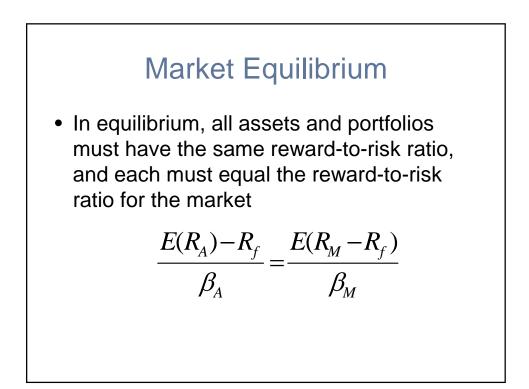
| Company   | Beta Coefficient (β <sub>i</sub> )   | TABLE 11.8           |
|---|--------------------------------------|----------------------|
| Coca-Cola   | .60                                  | Beta coefficients fo |
| Kellogg   | .65                                  | selected companies   |
| Papa John's   | .80                                  |                      |
| ЗM  | .85                                  |                      |
| Home Depot  | 1.00                                 |                      |
|   |                                      |                      |
|   |                                      |                      |
|   |                                      |                      |
|   |                                      |                      |
| Continental Airlines  | 2.40                                 |                      |
| Bed, Bath, and Beyond<br>McDonald's<br>American Eagle Outfitters<br>Tiffany & Co.<br>Continental Airlines | 1.05<br>1.10<br>1.35<br>1.55<br>2.40 |                      |

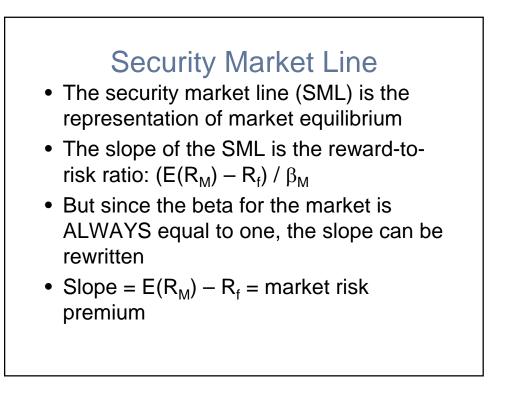


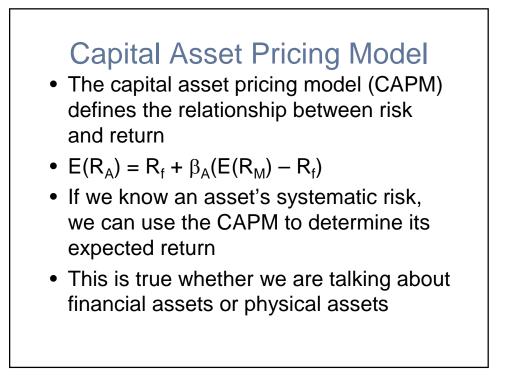












## Factors Affecting Expected Return

- Pure time value of money measured by the risk-free rate
- Reward for bearing systematic risk measured by the market risk premium
- Amount of systematic risk measured by beta

