

Probability/Statistics

- I. Introduction to Statistics
 - A. An Overview of Statistics
 - B. Data Classification
 - C. Experimental Design
- II. Descriptive Statistics
 - A. Frequency Distributions and Their Graphs
 - B. More Graphs and Displays
 - C. Measures of Central Tendency
 - D. Measures of Variation
 - E. Measures of Position
- III. Probability
 - A. Basic Concepts of Probability
 - B. Conditional Probability and the Multiplication Rule
 - C. The addition Rule
 - D. Counting Principle
- IV. Discrete Probability Distributions
 - A. Probability Distributions
 - B. Binomial Distributions
 - C. More Discrete Probability Distributions
- V. Normal Probability Distributions
 - A. Introduction to Normal Distributions and the Standard Normal Distribution
 - B. Normal Distributions; Finding Probabilities
 - C. Normal Distributions; Finding Values
 - D. Sampling Distributions and the Central Limit Theorem
 - E. Normal Approximations to Binomial Distributions
- VI. Confidence Intervals
 - A. Confidence Intervals for the Mean (Large Samples)
 - B. Confidence Intervals for the Mean (Small Samples)
 - C. Confidence Intervals for Population Proportions
 - D. Confidence Intervals for Variance and Standard Deviation