

AP Statistics Syllabus

FIRST MARKING PERIOD

Chapter 1: Exploring One-Variable Data

- 1.1 Analyzing Categorical Data
- 1.2 Displaying Quantitative Data with Graphs
- 1.3 Describing Quantitative Data with Numbers

Chapter 2: Modeling Distributions of Quantitative Data

- 2.1 Describing Location in a Distribution
- 2.2 Density Curves and Normal Distribution

Chapter 3: Exploring Two-Variable Data

- 3.1 Scatterplots and Correlation
- 3.2 Least-Squares Regression
- 3.3 Transforming to Achieve Linearity

SECOND MARKING PERIOD

Chapter 4: Collecting Data

- 4.1 Sampling and Surveys
- 4.2 Experiments
- 4.3 Using Studies Wisely

Chapter 5: Probability

- 5.1 Randomness, Probability, and Simulation
- 5.2 Probability Rules
- 5.3 Conditional Probability and Independence

Chapter 6: Random Variables and Probability Distributions

- 6.1 Discrete and Continuous Random Variables
- 6.2 Transforming and Combining Random Variables
- 6.3 Binomial and Geometric Random Variables

Chapter 7: Sampling Distributions

- 7.1 What is a Sampling Distribution?
- 7.2 Sample Proportions
- 7.3 Sample Means

THIRD MARKING PERIOD

Chapter 8: Estimating Proportions with Confidence

- 8.1 Confidence Intervals: The Basics
- 8.2 Estimating a Population Proportion
- 8.3 Estimating a Difference in Proportions

Chapter 9: Testing Claims About Proportions

- 9.1 Significance Tests: The Basics
- 9.2 Tests About a Population Proportion
- 9.3 Tests About a Difference in Proportions

Chapter 10: Estimating Means with Confidence

- 10.1 Estimating a Population Mean
- 10.2 Estimating a Difference in Means

Chapter 11: Testing Claims About Means

- 11.1 Tests About a Population Mean
- 11.2 Tests About a Difference in Means

FOURTH MARKING PERIOD

Chapter 12: Inference for Distributions and Relationships

- 12.1 Chi-Square Tests for Goodness of Fit
- 12.2 Inference for Two-Way Tables
- 12.3 Inference for Slope

Review for AP Exam

Project(s) [As time allows]

Resources

The Practice of Statistics, Sixth edition – By Starnes & Tabor

AP Central material

Sapling Textbook Online Resources

Assessment Information

Category Code	Category	Percentage
MAJ	Major	60%
MIN	Minor	25%
HW	Homework, Participation & Practice	15%