

AP® Statistics is a two-semester course that gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP® Statistics prepares students for the AP® exam and for further study in science, sociology, medicine, engineering, political science, geography, or business.

This course has been authorized by the College Board® to use the AP® designation.

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Length: Two Semesters

Unit 1: Describing Data

Unit 2: The Normal Distribution

Unit 3: Bivariate Data

Unit 4: Planning a Study

Unit 5: Probability

Unit 6: Binomials and Distributions

Unit 7: Introduction to Inference

Unit 8: t Distribution for Means

Unit 9: Inference for Proportions

Unit 10: Inference for Tables and Least-Squares

Unit 11: Final Preparation for the AP Statistics Exam