

PROBABILITY & STATISTICS

Grade level: 9,10, 11, 12

Credit: 1.0 (NCAA approved)

Prerequisite: Algebra 1

Probability, Statistics, and Data Analysis is a course in which students learn the fundamental principles of probability and statistics and apply these principles to data analysis. Students are expected to install and utilize free computer software for manipulating data.

Probability & Statistics Lessons

Teacher Message

LESSON 01: Introduction to Statistics

LESSON 02: Data Collection

LESSON 03: Univariate Data Displays

LESSON 04: Interpreting Data (Center, Spread, Shape)

LESSON 05: Interpreting Data (Position)

LESSON 06: Scatter Plots

LESSON 07: Correlation

LESSON 08: Predictions

LESSON 09: Introduction to Probability

LESSON 10: Classical and Empirical Probability

LESSON 11: Probability Distributions

LESSON 12: Other Probability Distributions



LESSON 13: Introduction to the Normal Distribution

LESSON 14: The Normal Curve

LESSON 15: Probability of a Normally Distributed Variable

LESSON 16: Central Limit Theorem

LESSON 17: Normal Approximation

LESSON 18: Confidence Interval

LESSON 19: Hypothesis Testing

LESSON 20: Hypothesis Testing (continued)

LESSON 21: Evaluating Statistical Studies

