

**High School Statistics & Probability  
Grade Standards, Supporting Skills, and Examples**

**Indicator 1: Use statistical models to gather, analyze, and display data to draw conclusions.**

<b>Core HS Standards</b>
9-12.S.1.1. (Analysis) Draw conclusions from a set of data.
9-12.S.1.2. (Comprehension) Compare multiple one-variable data sets, using range, interquartile range, mean, mode, and median.
9-12.S.1.3. (Analysis) Represent a set of data in a variety of graphical forms and draw conclusions.
<b>Advanced HS Standards</b>
9-12.S.1.1A. (Evaluation) Analyze and evaluate the design of surveys and experiments.
9-12.S.1.2A. (Evaluation) Analyze and evaluate graphical displays of data.
9-12.S.1.3A. (Analysis) Compare multiple one-variable data sets, using standard deviation and variance.
9-12.S.1.4A. (Application) Describe the normal curve and use it to make predictions.
9-12.S.1.5A. (Application) Use scatterplots, best-fit lines, and correlation coefficients to model data and support conclusions.

**Indicator 2: Apply the concepts of probability to predict events/outcomes and solve problems.**

<b>Core HS Standards</b>
9-12.S.2.1. (Knowledge) Distinguish between experimental and theoretical probability.
9-12.S.2.2. (Comprehension) Predict outcomes of simple events using given theoretical probabilities.
<b>Advanced HS Standards</b>
9-12.S.2.1A. (Application) Use probabilities to solve problems.
9-12.S.2.2A. (Application) Determine probability of compound, complementary, independent, and mutually exclusive events.
9-12.S.2.3A. (Analysis) Generate data and use the data to estimate empirical probabilities.