

Why?

Essential Questions

1. How can the results of a statistical investigation be used to support an argument?

Enduring Understanding

Statistics and probability are used to make inferences and predictions.

Expectations

Model and interpret real-world situations using the language of mathematics and appropriate technology.

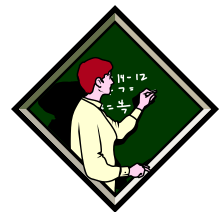
Collect, organize, analyze, and present data using technology as needed.

Apply the basic concepts of statistics and probability to predict possible outcomes of real-world situations, using technology as needed.

What?

MCPS Indicators and Standards

- 1.2.5 apply formulas and/or use matrices (arrays of numbers) to solve real-world problems.
- 3.1.2 use the measures of central tendency and/or variability to make informed conclusions.
 - 3.1.2.1 evaluate inferences and predictions that are based on data analysis.
- 3.2.3 communicate the use and misuse of statistics.

**Algebra**