

Unit 01 - Introduction to Statistics

Content Area: **Math**
Course(s): **Prob/Stat A**
Time Period: **Semester 1**
Length: **5 weeks**
Status: **Published**

Unit Introduction

Standards

MA.S-IC.A.1	Understand statistics as a process for making inferences about population parameters based on a random sample from that population.
MA.S-IC.B.3	Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.
MA.S-IC.B.6	Evaluate reports based on data.

Essential Questions

Content

- Lesson 1 - Overview of Statistics
- Lesson 2 - Data Classification
- Lesson 3 - Data Collection

Skills

- Administer a survey
- Classify data based on level of measurement
- Create a survey
- Define and apply appropriate vocabulary
- Recognize and apply sampling methods (simple random sampling, stratified random sampling, and cluster sampling)
- Recognize sources of bias in sampling and surveys (undercoverage, voluntary response, etc.)
- Understand populations, samples, and random selection
- Use a random number list to generate a sample

