

Unit 01 - Introduction to Statistics

Content Area: **Math**
Course(s): **Prob/Stat A**
Time Period: **Marking Period 1**
Length: **2 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

- Section 1.1 - Introduction (pgs. 2-3)
- Section 1.2 - Descriptive and Inferential Statistics (pgs. 3-6)
- Section 1.3 - Variable and Types of Data (pgs. 6-9)
- Section 1.4 - Data Collection and Sampling Techniques (pgs. 9-13)
- Section 1.5 - Observational and Experimental Studies (pgs. 13-16)
- Section 1.6 - Uses and Misuses of Statistics (pgs. 16-19)

Skills

- 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

