

Unit 6: Statistics

Objectives:

- 1.02b Summarize and analyze univariate data to solve problems. Apply statistical principles and methods in sample surveys.
- 1.02c Summarize and analyze univariate data to solve problems. Determine measures of central tendency and spread.
- 1.02d Summarize and analyze univariate data to solve problems. Recognize, define, and use the normal distribution curve.
- 1.02e Summarize and analyze univariate data to solve problems. Interpret graphical displays of univariate data.
- 1.02f Summarize and analyze univariate data to solve problems. Compare distributions of univariate data.
- 1.03c Use theoretical and experimental probability to model and solve problems. Create and use simulations for probability models.

****Subject to Change****

| DAY | TOPIC | ACTIVITY |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1 Mon, April 23 | Unit 6 Day 1 Notes: Central Tendency Displays of data (Stem and Leaf Plots, Frequency Tables, Histograms) | |
| 2 Tues, April 24 | Unit 6 Day 2 Notes: Central Tendency from a Histogram, Frequency Table, Distribution of Data, Calculator 5 Number Summary, Box and Whisker Plot, How to find outliers, Advantages/Disadvantages of Each Method | Pulse Rate Activity |
| 3 Wed, April 25 | Unit 6 Day 3 Notes: Standard Deviation Variance | Ramp investigation |
| 4 Thurs, April 26 | Unit 6 Day 4 Notes: Distribution of Data, Normal Distribution Confidence Intervals Z-Score | Unit 6 Quiz (Days 1-3) |
| 5 Fri, April 27 | Unit 6 Day 5 Notes: Population Sample Sampling Methods Limitations/Bias | |
| 6 Mon, April 30 | Review! | |
| 7 Tues, May 1 | TEST | UNIT 6 TEST |