



## Lesson 2: Descriptive Statistics - Part II



## Text: Descriptive vs. Inferential Summary

SEARCH



RESOURCES

CONCEPTS

✓ 1. Video: What are Measures of Spre...

✓ 2. Video: Histograms

✓ 3. Video: Weekdays vs. Weekends: W...

✓ 4. Video: Introduction to Five Numbe...

✓ 5. Quiz: 5 Number Summary Practice

✓ 6. Video: What if We Only Want One ...

✓ 7. Video: Introduction to Standard D...

✓ 8. Video: Standard Deviation Calcula...

✓ 9. Quiz: Measures of Spread (Calcula...

✓ 10. Text: Introduction to the Standar...

✓ 11. Video: Why the Standard Deviat...

✓ 12. Video: Important Final Points

✓ 13. Quiz: Advanced: Standard Deviat...

✓ 14. Quiz: Applied Standard Deviation...

✓ 15. Homework 1: Final Quiz on Meas...

SEND FEEDBACK

## Descriptive vs. Inferential Statistics

In this section, we learned about how **Inferential Statistics** differs from **Descriptive Statistics**.

### Descriptive Statistics

**Descriptive statistics** is about describing our **collected data** using the measures discussed throughout this lesson: measures of center, measures of spread, shape of our distribution, and outliers. We can also use plots of our data to gain a better understanding.

### Inferential Statistics

**Inferential Statistics** is about using our **collected data to draw conclusions to a larger population**.

Performing inferential statistics well requires that we take a sample that accurately represents our population of interest.

A common way to collect data is via a survey. However, surveys may be extremely biased depending on the types of questions that are asked, and the way the questions are asked. This is a topic you should think about when tackling the first project.

We looked at specific examples that allowed us to identify the

1. **Population** - our entire group of interest.
2. **Parameter** - numeric summary about a population
3. **Sample** - subset of the population
4. **Statistic** - numeric summary about a sample

### Looking Ahead

Though we will not be diving deep into inferential statistics within this course, you are now aware of the

