

Lecture 10: Chapter 5, Section 2

Relationships (Two Categorical Variables)

- Two-Way Tables
- Summarizing and Displaying
- Comparing Proportions or Counts
- Confounding Variables

Looking Back: *Review*

□ 4 Stages of Statistics

- Data Production (discussed in Lectures 1-4)
- Displaying and Summarizing
 - Single variables: 1 cat, 1 quan (discussed Lectures 5-8)
 - Relationships between 2 variables:
 - Categorical and quantitative (discussed in Lecture 9)
 - Two categorical
 - Two quantitative
- Probability
- Statistical Inference

Single Categorical Variables (*Review*)

□ **Display:**

- Pie Chart

- Bar Graph

□ **Summarize:**

- Count or Proportion or Percentage

Add categorical explanatory variable →
display and summary of categorical responses
are **extensions** of those used for single
categorical variables.