

Lecture 21: Chapter 9, Section 1

Inference for Categorical Variable: Confidence Intervals

- 3 Forms of Inference
- Probability vs. Confidence
- Constructing Confidence Interval
- Sample Size; Level of Confidence

Looking Back: *Review*

□ 4 Stages of Statistics

- Data Production (discussed in Lectures 1-4)
- Displaying and Summarizing (Lectures 5-12)
- Probability (discussed in Lectures 13-20)
- Statistical Inference
 - 1 categorical
 - 1 quantitative
 - categorical and quantitative
 - 2 categorical
 - 2 quantitative

Four Processes of Statistics

