INTRODUCTION

• OVERVIEW OF THE COURSE
  • Course Topics
  • JMPIN Software
  • Course Requirements

• DATA EXAMPLES
  • Population Comparisons
  • Regression Example

• For next time:
  • Devore, Chapter 1
  • JMPIN Manual, Chaps. 1,2,5
**PROBABILITY:**

- Assume the **population** is known
- Draw inferences about possible **samples**

**STATISTICAL INFERENCE:**

- Assume a **sample** is given (Data)
- Draw inferences about the **population**
QUESTION 1: (Probability)

Given that 40% of the class students are Juniors, what is the probability that exactly half of the sample are Juniors?

QUESTION 2: (Statistical Inference)

Given a sample of 6 students containing exactly 3 Juniors, what is your estimate of the percent of Juniors in the whole class?