Reading Quiz

1. Use table A. The SAT Math test has a normal distribution with mean 500 and standard deviation 110. What percentage of students have SAT scores greater than 720?

2. What SAT Math score is such that 10% of the students score greater than it?

Outline

1. Populations and samples; parameters and statistics

2. Choosing some samples

3. The fundamental fact about sampling

4. We want a “representative” sample

5. Some bad sampling designs
   (a) A convenience sample
   (b) A voluntary response sample

6. The concept of bias (applies to design not individual samples)