

Name _____

PSCH 343

Homework problems set 1

1. What is the difference between descriptive statistics and inferential statistics?
2. What are some considerations in choosing a sample?
3. When you summarize the scores from a sample, you really want to know about the population the sample represents. What do you call the summary numbers from the sample, what are the “real” (unknown) corresponding summaries of the population called, and what is the relationship between these?
4. Is the score on a multiple choice exam a discrete or a continuous variable? Why? Is it a ratio scale?
5. Is the distance a student lives from campus a discrete or a continuous variable? Why? Is it a ratio scale?
6. Is the number of votes for a particular candidate a discrete or a continuous variable? Why? Is it a ratio scale?
7. What distinguishes the variable in question 4 from that in question 5?
8. Is the final grade you receive in this course (A, B, C, etc.) on a nominal or an ordinal scale? Why?
9. Is your credit card number on a nominal or an ordinal scale? Why?
10. Scores that you wish to compare with parametric inferential statistics must be what kind of variable?