

Lab #2: Preliminary Concepts

- 1) Compare and contrast the following terms:
 - a. descriptive vs. inferential
 - b. parameters vs. statistics
 - c. continuous vs. discontinuous

- 2) What is the appropriate scale of measurement for each of the following variables?
 - a. Temperature in degrees Celsius
 - b. Temperature in degrees Fahrenheit
 - c. Temperature in Kelvin
 - d. Employment status
 - e. Speed (mph)
 - f. NFL running back's yards per carry
 - g. Meals per week on student meal plan
 - h. March madness placing of NCAA basketball teams
 - i. I have taken stats ____ times before
 - j. You are the prettiest student

- 3) Round the following numbers to the tenths decimal place:
 - a. 27.65
 - b. 69.34
 - c. 98.78
 - d. 14.35
 - e. 84.9324
 - f. 26.000000009
 - g. 55.07

- 4) What are the real (exact) limits of the following numbers:
 - a. 27
 - b. 68.0000
 - c. 34.2
 - d. 88.74
 - e. 78.001

- 5) **Subject** **X**

1	5
2	8
3	12
4	13
5	16
6	20
7	28

For this data, compute $\sum_{i=2}^6 X_i$