Statistics Assignment 1

1. What exactly is the difference between descriptive and inferential statistics?

-Descriptive statistics summarize the characteristics of a data set. Inferential statistics allow you to test a hypothesis or assess whether your data is generalizable to the broader population.

2. I'm not sure what is the difference between a sample and a population?

A population is the entire group that you want to draw conclusions about. A sample is the specific group that you will collect data from

3. What distinguishes descriptive statistics from other types of statistics?

Descriptive statistics are brief informational coefficients that summarize a given data set, which can be either a representation of the entire population or a sample of a population.

4. What is the difference between quantitative and qualitative data?

Quantitative data is anything that can be counted or measured; it refers to numerical data. Qualitative data is descriptive, referring to things that can be observed but not measured

5. What is the definition of a percentile?

A percentile is a measure used in statistics indicating the value below which a given percentage of observations in a group of observations fall.