**Statistics Assignment – 1**

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

In Descriptive statistics, the data is collected, organized, analyzed, visualized, and finally understand the data.

In Inferential statistics, conclusions like z-test, avona, f-test are made on a sample taken from the population.

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

Population(N) is the complete data with us and sample is the small amount of data picked from the population using sampling techniques like random,clustering,systematic,stratified sampling

1. **What distinguishes descriptive statistics from other types of statistics?**

In descriptive statistics the complete data is collected, organized, analyzed, visualized, and finally understand and summarize the data.

1. **What is the difference between quantitative and qualitative data?**

Quantitative data consist of all numerical types of data and Qualitative data consist of the category types of data.

1. **What is the definition of a percentile?**

The relative position of a sample or data point in a data is called the percentile of the sample in the data.