**Qus1: What exactly is the difference between descriptive and inferential statistics?**

In descriptive stat. we try to understand our data by exploring, visualizing or with the help of BI tools. Here our main aim is to get the information from data.

Whereas in Inferential stat, we get the population data after that we take the sample of data(via Sampling Tech.) then apply some experiment on data after that give the conclusion.

**Qus2: I'm not sure what is the difference between a sample and a population?**

In one liner we can say “Sample is a subset of population”.

**Qus3: What distinguishes descriptive statistics from other types of statistics?**

Descriptive stat is use to analyze the data. It help in determining exactly what is our data.

**Qus4 : What is the difference between quantitative and qualitative data?**

Qualitative data means categorical data(exp- Gender Column- Male, Female), we can’t perform any mathematical operation on Qualitative data. It can be of two type:

1. Nominal--- Where ranking does not matter
2. Ordinal ---- Here ordering matters

Quantitative data means numerical data(exp--- Age Column- 20,22,23,45---), here we can perform any type of mathematical operation. It can be of two type-

1. Discrete/Complete :- Whole number(int value)--- Exp- No of children(1,2,3,4,5….)
2. Continuous:- Float number --- Exp- Weight{87.8, 54,6,75.7……….}

**Qus5: What is the definition of a percentile?**

Percentile means how many values are lesser than this.

Exp-> 25 percentile mean how many value are lesser than 25% percent within given data