**Task 1**

Statistics is divided into two Descriptive statistics and Inferential statistics

**Descriptive statistics**

* Organizing and Summarizing the data
* Eg:

Consider there is a class of students of strength 20 and their marks in 1stSem is given

(84,86,78,72,65,60,92,95,97,65,67,87,78,79,88,98,76,56,79,60)

What is the average marks of the students in the class?

Average mark = 84+86+78+72+65+60+92+95+97+65+67+87+78+79+88+98+76+56+79+60/20

Average mark= 78.1

* **Inferential statistics**
* Use sample data to make conclusions about a population
* Techniques where we use the data that we have measured to form conclusions.
* Eg: “Based on a survey, 80% of people prefer cricket.”