

STATISTICS AND DATA

1. **Statistics** : Branch of Mathematics dealing with the **COLLECTION**, **ANALYSIS**, **INTERPRETATION**, **PRESENTATION** and **ORGANIZATION** of data..

i) Descriptive Statistics :

- Most of the information is presented which is easy for the user to understand.
- Summaries of data which may be Tabular, Graphical or Numerical are referred as descriptive statistics.

ii) Statistical Interference :

The process of using a data obtained from sample to make estimate or test hypothesis about the characteristics of the population

2. **Data** : Data are the facts and figures collected, analyzed, and summarized for presentation and interpretation.

A . Types of Data Type –

Based on Data Type

1. Numerical

- Discrete
 - Likert Scale [Ordered , One Dimensional scale]
 - Quantitative (counts)
- Continous [ex : Height of a person i.e Data taking any real value]

Based on Time

- Cross Sectional
- Time Series