What are Statistics?

Statistics is the science of collecting, organizing and analysing data.

Why we do stat?

For better decision making.

Define Data

Facts, or pieces of information that can be measure.

E.g.,

The IQ of a Class – Measure

{98,97,60,55,55,75,65} -> data

Ages of Students of a class

{30,25,24,23,27,28} -> data

Type of Statistics

1 Descriptive Stats. वर्णनात्मक

It consists of organising and summarizing of data.

2 Inferential Stat. अनुमानात्मक

Techniques wherein we used the data that we have measured to form conclusions.

E.g.,

Classroom of Math Student (20).

Mark of the 1st semester students

{84, 86, 78, 72, 75, 65, 80, 81, 92, 95, 96,97 ……}

Descript stat.

1 What is the average marks of the student in the class

Inferential stats

Are the marks of the students of this classroom like the marks of the math classroom in the collage?