Introduction to statistics

Definition :- Statistics is a mathematical science including methods of collecting, organizing and analysing data in a such a way that meaningful conclusions can be drawn from them.

data : facts or pieces of information that can be stored and measured.

example1: Scores made by Virat Kohli in last five matches
$$[102, 33, 0, 45, 46]$$

Exaple2 - Heights of students in the classrooms
$$[110cm, 150cm, 170 cm ----]$$

Motivation | Uses of Statistics

1. Weather forecast
2. Sports Analytics — $[102, 33, 0, 45, 45]$ — $min - 0$
   $$max - 102$$
   $$Avg -$$
3. Election Campaign
4. FMCG | e-commerce
5. medical | genetics