

Week 10 Statistics Basic

Introduction to Statistics:

Definition: Statistics is science of collecting, organizing and analyzing data.

Data: "facts or pieces of information" understood this ↓

data can be captured, recorded and analyzed or measured.

Examples:

Heights of student in class

$\{175 \text{ cm}, 180 \text{ cm}, 155 \text{ cm}, \dots\}$

IQ of students

$\{81, 96, 88, \dots\}$

S I P:

① Statistics helps in decision making process

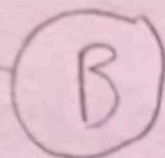
② A data analyst uses statistics to create amazing visualization reports.

Example :

ATM



40 km



with help of statistics, bank can make a decision whether to establish ATM at B or not.