



CLASS NOTES

Representative Values: Arithmetic Mean

The Average or Arithmetic Mean (A.M.) or simply Mean is defined as:

$$\text{Mean} = \frac{\text{Sum of all observations}}{\text{Total number of observations}}$$

The most common representative value of a group of data is the arithmetic mean or mean.

Example: The marks scored by Arjun in English exams were as follows 25, 15, 10, 20, 22. Find the mean marks scored by Arjun.

$$\begin{aligned}\text{Solutions: Mean} &= \frac{\text{Sum of all observations}}{\text{Total number of observations}} \\ &= \frac{25 + 15 + 10 + 20 + 22}{5} \\ &= \frac{92}{5} \\ &= 18.4\end{aligned}$$