

Problem – solving & Data Analysis

01

Probability & conditional Probability



Probability is found by :

Favourable Outcomes

Total Outcomes



02

Mean Median & Mode



Mean : The arithmetic average calculated by summing all data points and dividing by the total count

$$\Sigma \frac{fixi}{xi}$$

Median (Middle Value)

- Odd number of values: Middle value is the $\frac{n+1}{2}$ th term.

- Even number of values: Average of the two middle terms: $\frac{(n \div 2 + 1) + (n \div 2)}{2}$ th

Mode (Most Frequent) : The value(s) that appear most often. (Ungrouped)