

FAQ's

1. What is known as standard deviation?

Answer:

The most important and the most powerful measure of dispersion is the standard deviation. It is computed as $\sigma = \sqrt{\frac{\sum fi(xi - \bar{x})^2}{N}}$

2. What is known as variance?

Answer:

The square of the standard deviation is known as the variance $\sigma^2 = \left[\frac{\sum fi(xi - \bar{x})^2}{N} \right]$

3. Define co-efficient of variation

Answer:

The ratio of the standard deviation to the mean i.e σ/\bar{x} is known as the co-efficient of variation.

4. What is called correlation?

Answer:

The phenomena reality of change in one variable with the changes in other variable is called correlation.

5. Define line of regression

Answer:

In scatter diagram the dots tend to cluster along a well defined direction which suggest a linear relationship between the variables x and y. such a line of best-fit the line of regression.