

Interpretation: The IQR of 20 means that the middle 50% of test scores are within 20 points of each other, giving you a better understanding of the students' typical performance without being influenced by the extreme scores.

Variance R Standard Deviation Spreed of the data with meen value

$$\frac{1}{\sqrt{2}} = \frac{1}{2} = \frac$$

Variance

$$SD = \int_{i=1}^{N} \frac{(x_i - u)^2}{N}$$

Empirical

Pule

 SD Sample = $\int_{i=1}^{N} \frac{(x_i - \overline{x})^2}{N}$
 45%

Median = 44%

Mode

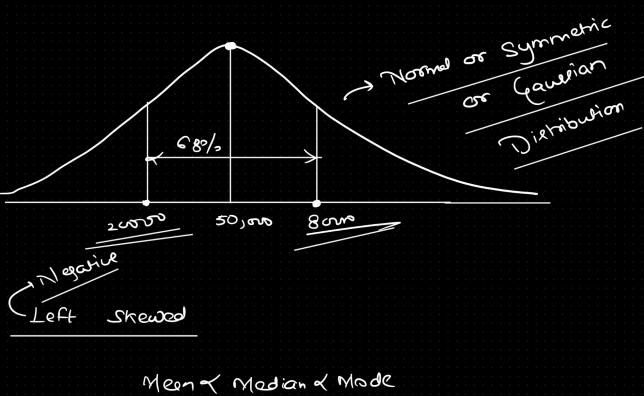
Variance Vs SD ??

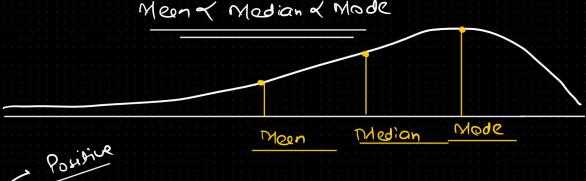
Variance quantifies the spread of data points around the mean but can be hard to interpret due to squared units.

Standard Deviation offers a more intuitive measure of spread in the same units as the original data, making it easier to understand and communicate the variability in your dataset.

Metric is widely very weed

Budget or fluencial Planning





Pight skewed _____ Mode < Median & Meen

Mode Median

Meen

| | Income Dietribution> Pigut skeurod Cietribution |
|-------|---|
| Gamma | Dietribution Pigus skewed data |
| | $\alpha > 1$ Risht Skewed Skewed Skewed Skewed Skewed B > Scale |