

# Measures

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## For Continuous Data

1. Central Tendency
2. Variability or Dispersion
3. Skewness
4. Kurtosis

## Central Tendency

Common central tendency measures: mean, median, mode (the most frequent value)

### Mean

Sample Mean:

$$\bar{x} = \frac{\sum x_i}{n}$$

Population Mean:

$$\mu = \frac{\sum X_i}{N}$$

### Median

Sample Median:  $\tilde{x}$

Population Median:  $\eta$  (eta)

## Dispersion or Variability

4 common measures of dispersion:

1. Range
2. Variance
3. Standard Deviation
4. Coefficient of Variation (CV)