

## Technical Paper 7

### Standard deviation

- A. Measure of variability
- B. Standard deviation is applicable to interval and ratio data.
- C. Standard deviation units are the same as the units of the original data.
- D. Population standard deviation

$$\sigma = \sqrt{\frac{\sum (X_i - \mu)^2}{N}}$$

- E. Sample standard deviation

$$s = \sqrt{\frac{\sum (X_i - \bar{X})^2}{n - 1}}$$