

## Technical Paper 16

### T-test -- One Sample

- A. Test to compare a sample mean with a hypothetical population mean, the population standard deviation is not known.
- B. T-test is applicable to interval and ratio scale data.
- C. Assumptions
  1. Random sample
  2. Independent samples
  3. Data comes from a normal distribution.

$$t = \frac{\bar{x} - \mu}{S_{\bar{x}}}$$