

Technical Paper 18

F-test

- A. Test to compare sample variances.
- B. F-test is applicable to interval and ratio scale data.
- C. Assumptions
 1. Random samples.
 2. Independent samples.
 3. Normally distributed populations.

Use the formula that produces the greater resulting F.

$$F = \frac{S_1^2}{S_2^2} \quad \text{or} \quad F = \frac{S_2^2}{S_1^2}$$