

Technical Paper 17

Chi-square Test of Variances

- A. Test to compare a sample variance with a hypothetical population variance.
- B. This form of the Chi-square is applicable to interval and ratio scale data.
- C. Use formula in conjunction with Table C.
- D. Assumptions
 - 1. Random sample
 - 2. Independent samples

$$X^2 = \frac{(n-1)s^2}{\sigma^2}$$