

Technical Paper 28

Kruskal--Wallis (Nonparametric Analysis of Variance)

- A. Test for comparing the magnitude of more than two samples.
- B. Kruskal-Wallis is applicable to interval, ratio, and ordinal scale data.
- C. Assumptions
 - 1. Random samples.
 - 2. Independent samples.
 - 3. 3 or more samples.
 - 4. Minimum of 5 observations per sample.

$$H = \left(\sum \frac{R^2}{n} \right) * \frac{12}{N(N+1)} - 3(N+1)$$