

Technical Paper 23

Wilcoxon paired sample

- A. Used in situations similar to paired t-test, you want to see if the two samples differ significantly in magnitude (medians).
- B. We do not use the actual measurements, but rather we use the rank of the measurements.
 - 1. If two or more measurements are tied then all of the tied values are assigned the average rank.
- C. Wilcoxon paired sample is applicable to interval, ratio and ordinal scale data.
- D. Assumptions
 - a. Random sample
 - b. The differences are distributed symmetrically (not necessarily normally).