

## CHAPTER OVERVIEW

### 12: Nonparametric Statistics

Because distribution-free tests do not assume normality, they can be less susceptible to non-normality and extreme values. Therefore, they can be more powerful than the standard tests of means that assume normality.

- 12.1: Benefits of Distribution Free Tests
- 12.2: Randomization Tests - Two Conditions
- 12.3: Randomization Tests - Two or More Conditions
- 12.4: Randomization Association
- 12.5: Fisher's Exact Test
- 12.6: Rank Randomization Two Conditions
- 12.7: Rank Randomization Two or More Conditions
- 12.8: Rank Randomization for Association
- 12.9: Statistical Literacy Standard
- 12.10: Wilcoxon Signed-Rank Test
- 12.11: Kruskal–Wallis Test
- 12.12: Spearman Rank Correlation
- 12.13: Choosing the Right Test
- 12.E: Distribution Free Tests (Exercises)

### Contributors and Attributions

- Online Statistics Education: A Multimedia Course of Study (<http://onlinestatbook.com/>). Project Leader: David M. Lane, Rice University.

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