

## Table of Contents

Introduction: How to Use This Manual

### General R Information

1. How to Save R “Programs” AND How to Create Data Files for R
2. How to Get Data into R
3. How to Find, Install and Load R Packages
4. How to Generate Random Samples and Determine Their Frequency Distributions
5. How to See Whether a Specific Value Occurs in a Data Set
6. How to Extract Particular Data Items or Sequences of Them

### Graphs and Summary Statistics

7. How to Create Basic Graphs: Barplots and Pie Charts
8. How to Create a Histogram and Calculate Summary Statistics
9. How to Do Pairs of Graphs: Two Histograms or Two Boxplots on One Graph

### Distributions and Critical Values

10. How to Check for Normality Using a Normal Probability Plot
11. How to Get Normal Critical Values for Common Significance Levels
12. How to Generate a t-Distribution Graph and Obtain t-Critical Values
13. How to Generate Chi-Square and F Distributions and Obtain Their Critical Values
14. How to Generate and Graph a Binomial Distribution

### Parametric Methods

15. How to Run a One-Sample t-Test
16. How to Run Two-Sample t-Tests with Two Independent Samples
17. How to Run Two-Sample t-Tests with Paired Data
18. How to Perform a One-Tailed Hypothesis Test
19. How to Test a Claim about a Single Population Variance
20. How to Perform an F-Test to Compare Two Variances
21. How to Do One-Way ANOVA
22. How to Run a Repeated Measures ANOVA
23. How to Do Two-Way ANOVA with/without Interactions
24. How to Run Mauchly’s Test for Sphericity
25. How to Check Pairs of Data Values for Linear Correlation
26. How to Run a Simple Linear Regression
27. How to Obtain Residuals and Fitted Values from a Regression Line and Check the Assumptions
28. How to Run a Basic Multiple Regression

## Non-Parametric Methods

29. How to Test a Hypothesis about a Proportion or Comparing Two Proportions
30. How to Run a One-Sample Mann-Whitney-Wilcoxon Test
31. How to Run a Mann-Whitney-Wilcoxon Test for Two Independent Samples
32. How to Run a Repeated Measures Mann-Whitney-Wilcoxon Test
33. How to Run a Kruskal-Wallis Test
34. How to Run Friedman's ANOVA for Repeated Measures
35. How to Create a Contingency Table and Run a Chi-Square Test
36. How to Test for Normality: Beyond Graphical Methods
37. How to Check Pairs of Data Values for Correlation Non-Parametrically: Spearman's  $\rho$  and Kendall's  $\tau$
38. How to Run a Binary Logistic Regression

## Follow-Up Comparisons

39. How to Do Pairwise Comparisons of Multiple Means or Proportions
40. How to Do Pairwise Comparisons of Multiple Medians

## Effect Sizes

41. How to Calculate Cohen's  $d$ : Effect Size for Difference between Two Means
42. How to Calculate Cliff's  $\delta$ : Effect Size for Difference between Two Medians
43. How to Calculate Risk, Odds and the Odds Ratio: Effect Size for Proportions
44. How to Calculate Eta-Squared and Omega-Squared: Effect Size for Differences among Several Means
45. How to Calculate Effect Sizes Related to Correlation and Regression

## Cross-Reference Tables

Table 1: Methods, Their Purposes, Typical Assumptions, Alternatives and Cross-Listed References

## Bibliography

Software and software packages

Reference texts

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## Data Sets

Actual data files are available for download separately from the text.

## Introduction: How to Use This Manual

First of all, you need to know how to obtain R software. Basic R and all of the packages referenced in this Manual are available as free downloads at [www.r-project.org](http://www.r-project.org).

This Manual is intended for use in two possible ways.

1. You can use this Manual to learn statistical methods along with a textbook that explains the appropriate content, either in a class or as a self-study project. The Manual does not generally explain the theory of the statistical methods; its purpose is to tell you how to execute the methods using R software. The understanding of why the methods work, or when to use them, is largely left to you to learn from another source.
2. You can use this Manual when you already know which method(s) you need to use, but are not very familiar with R and need to look up the appropriate commands.

The Manual has the topics organized into broad categories. General information about R is in sections 1 - 6. Beyond that:

-- If you are using the Manual, either in a course or for self-study, to learn typical introductory statistics, you will probably want to use sections 7 - 21, 25 - 26, 35 and 41.

-- If you are using the Manual, either in a course or for self-study, to learn typical analysis of variance and regression methods, you will probably want to use 21 - 28, 39, 41, 44 - 45.

-- If you are using the Manual, either in a course or for self-study, to learn typical non-parametric methods, you will probably want to use sections 29 - 38, 40, 42 - 43.

-- If you are using the Manual to find out how to perform one or more specific methods, then you will want to reference the sections that deal with those methods.

Table 1 at the end of the text lists each method that is covered in the Manual, its purpose, and the standard assumptions for using the method. The appropriate section numbers for the method and for checking the assumptions are then listed. So are the section numbers for alternative methods, whenever those are covered in the Manual.