

Artificial Sample Dataset

(for use with the [Beginner's Handbook on Clinical Research])

(Click to download)

Introduction to SPSS Interface:

[Input Data](#) ; [Test for Normality](#)

Comparing Means:

[One Sample *t*-test](#) ; [Independent sample *t*-test](#) ; [Paired-samples *t*-test](#) ; [One-way ANOVA](#)

Comparing Proportions:

[Pearson's Chi square \(\$\chi^2\$ \) test](#) ; [McNemar's test](#) ; [Cochrane's Q-test](#) ; [Cohen's kappa \(\$\kappa\$ \) test of agreement](#)

Non-parametric Tests:

[Mann-Whitney *U* test](#) ; [Two-paired samples Wilcoxon signed rank test](#) ; [Kruskal-Wallis H-test](#) ;
>2 [Paired-sample Friedman test](#)

Correlation:

[Pearson and Spearman correlation](#) ; [Partial correlation](#)

Linear Regression:

[Multiple linear regression](#)

Logistic Regression:

[Multivariate logistic regression](#)

General Linear Model:

[Two-way ANOVA](#) ; [One-way ANCOVA](#) ; [One-way repeated measures ANOVA](#)

Evaluation of Diagnostic Tests:

[Receiver Operating Characteristic curve and Area Under the Curve](#)

Survival Analysis:

[Kaplan-Meier analysis](#) ; [The Cox Proportional Hazards Model](#)