

Task version	Statistician 2.0	Analyze-It 3.15	WinSTAT	StatistiXL 1.6	Fast Statistics 2.0.4 (mac)	StatPlus 2009	Winks 7	NCSS 9	Stat Tools 6	xISTAT Pro	PAST 2.17c
COST	\$95	\$249	\$99	\$75	\$50	\$160	\$229	\$329	\$595	\$695	free!
Descriptive stats incl. percentile	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Confidence intervals	✓	✓	NO	✓	NO	✓	✓	✓	✓	✓	✓
Prediction intervals	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Tolerance intervals	NO	NO	NO	NO	NO	NO	NO	✓	NO	NO	NO
Bootstrap intervals	NO	NO	NO	NO	NO	NO	NO	✓	NO	✓	✓
Test for normality (which?)	SW,AD,others	SW, AD, KS	KS, chisq	KS	chisq	SW, KS	KS, AD	SW, others	chisq, Lilliefors	SW, AD, KS	Vilk, AD,PPCC+others
Side by Side Boxplots	NO	✓	✓	NO	NO	✓	✓	✓	✓	✓	✓
probability plot	NO	✓	NO	✓	✓	NO	✓	✓	✓	✓	✓
Paired t-test	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
sign test	✓	✓	NO	✓	✓	✓	✓	✓	✓	✓	✓
signed-rank test	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2-sample t-test	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mann-Whitney rank-sum	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
permutation tests	NO	NO	NO	NO	KW on 2 gps	NO	NO	✓	NO	NO	✓
Levene's test	✓	NO	NO	NO	NO	NO	NO	✓	NO	NO	✓
ANOVA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kruskal-Wallis	✓	✓	✓	✓	✓	incorrect?	✓	✓	NO	✓	✓
Tukey's mult comparisons	✓	✓	✓	✓	NO	✓	✓	✓	✓	✓	✓
Dunns MCT	NO	only Bonf	NO	NO	NO	NO	✓	✓	NO	✓	Bonferroni MW
Power and sample size	NO	NO	NO	NO	NO	✓	NO	NO	✓	NO	NO
Kendall's tau: continuous data	✓	✓	✓	NO	NO	✓	NO	NO	NO	NO	✓
Sen slope	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Spearman's rho	✓	✓	✓	✓	NO	✓	✓	✓	✓	✓	✓
Pearson's r	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Residuals plot	NO	✓	NO	✓	NO	NO	NO	✓	✓	✓	✓
Save regression residuals	NO	NO	NO	✓	✓	✓	NO	✓	✓	✓	✓
Save regression predictions	✓	NO	NO	✓	✓	NO	NO	✓	✓	✓	✓
Partial plots	NO	NO	NO	✓	NO	NO	incorrect	✓	NO	NO	NO
Mallow's Cp/PRESS/Adj R-sq	✓	✓	NO	NO	NO	ADJ RSQ	Cp, ARsq	PRESS ADJR2	NO	✓	NO
VIF	✓	NO	NO	NO	NO	NO	NO	✓	NO	✓	NO
Macro capability	NO	NO	NO	NO	NO	NO	NO	✓	NO	NO	NO
LOWESS	NO	NO	NO	NO	NO	NO	NO	✓	NO	✓	✓
save residuals from LOWESS	NO	NO	NO	NO	NO	NO	NO	NO	NO	✓	✓
Contingency tables	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Logistic regression	✓	NO	NO	NO	NO	✓	✓	✓	✓	✓	✓
PCA	✓	NO	✓	✓	NO	NO	NO	✓	NO	✓	✓
Cluster analysis	✓	NO	✓	✓	NO	NO	NO	✓	NO	no dendogram	✓
Correspondence analysis	NO	NO	NO	NO	NO	NO	NO	✓	NO	✓	✓
Factor analysis	NO	NO	✓	✓	NO	NO	NO	✓	NO	✓	✓
NMDS plots	NO	NO	NO	NO	NO	NO	NO	✓	NO	MDS only	✓
Biplots	NO	NO	NO	NO	NO	NO	NO	✓	NO	✓	✓
Discriminant analysis	NO	NO	✓	✓	NO	✓	NO	✓	✓	✓	✓
Canonical correlation	NO	NO	NO	✓	NO	NO	NO	✓	NO	NO	✓
Nonparametric MANOVA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	✓
Comments	incorrectly calls the tie correction for tau as tau-b. 2.computes mean abs dev and calls it MAD									Need sequential columns for MR. Crashes with several procedures, buggy.	perm tests!