Test Name	Where to find it
Scheffe equality of means	**StatsScheffeTest**
Shapiro-Wilk test for normality	**StatsShapiroWilkTest**
Spearman	**StatsRankCorrelationTest**
Student-Newman-Keuls	**StatsNPMCTest**
Tukey Test	**StatsTukeyTest StatsLinearRegression, StatsMultiCorrelationTest, StatsNPMCTest**
Two-Factor ANOVA	**StatsANOVA2NRTest**
T-test	**StatsTTest**
Watson's nonparametric two-sample U2	**StatsWatsonUSquaredTest, StatsCircularTwoSampleTest**
Watson-Williams	**StatsWatsonWilliamsTest**
Weighted-rank correlation test	**StatsWRCorrelationTest**
Wheeler-Watson nonparametric test	**StatsWheelerWatsonTest**
Wilcoxon-Mann-Whitney two-sample	**StatsWilcoxonRankTest**
Wilcoxon signed rank	**StatsWilcoxonRankTest**

Statistical Test Operations by Data Format

The following tables group statistical operations and functions according to the format of the input data.

Tests for Single Waves

Analysis Method	Comments
StatsChiTest	Compares with known binned values
StatsCircularMoments	WaveStats for circular data
StatsKendallTauTest	Similar to Spearman's correlation
StatsMedian	Returns the median
StatsNPNominalSRTest	Nonparametric serial randomness test
StatsQuantiles	Computes quantiles and more
StatsResample	Bootstrap analysis
StatsSRTest	Serial randomness test
StatsTrimmedMean	Returns the trimmed mean
StatsTTest	Compares with known mean
Sort	Reorders the data
WaveStats	Basic statistical description
StatsJBTest	Jarque-Bera test for normality
StatsKSTest	Limited scope test for normality
StatsDIPTest	Hartigan test for unimodality
StatsShapiroWilkTest	Shapiro-Wilk test for normality

Tests for Two Waves

Analysis Method	Comments
StatsChiTest	Chi-squared statistic for comparing two distributions
StatsCochranTest	Randomized block or repeated measures test
StatsCircularTwoSampleTest	Second order analysis of angles
StatsDunnettTest	Compares multiple groups to a control
StatsFTest	Computes ratio of variances
StatsFriedmanTest	Nonparametric ANOVA
StatsKendallTauTest	Similar to Spearman's correlation
StatsTTest	Compares the means of two distributions
StatsANOVA1Test	One-way analysis of variances
StatsLinearRegression	Linear regression analysis
StatsLinearCorrelationTest	Linear correlation coefficient and its error
StatsRankCorrelationTest	Computes Spearman's rank correlation
StatsVariancesTest	Compares variances of waves
StatsWilcoxonRankTest	Two-sample or signed rank test
StatsWatsonUSquaredTest	Compares two populations of circular data
StatsWatsonWilliamsTest	Compares mean values of angular distributions
StatsWheelerWatsonTest	Compares two angular distributions