

NCSS Procedure and Topic List (Categorized)

Analysis of Variance (ANOVA)

Alias	Duncan's Test	Levene's Equal Variance Test
Analysis of Covariance	Dunnett's Confidence Intervals	Logrank Test
Analysis of Two-Level Designs	Dunnett's Test vs. a Control	MANOVA
Analysis of Variance	Dunn's Test	Mauchly's Test of Compound Symmetry
Analysis of Variance for Balanced Data	Dwass-Steel-Critchlow-Fligner Test	Means
ANCOVA	EDF Plots	Means Plots
ANOVA	Eigenvalues	Median Test
AOV	Empirical Distribution Function	Model Fitting
Area Under Curve	Equal Variance Tests	Modified Levene's Test
AUC	Expected Mean Squares	Multicollinearity
Balanced ANOVA	Expected Normal Scores Test	Multiple Comparison Tests
Balanced Design Analysis of Variance	Fisher's LSD Test	Multisample Test
Bartlett's Test	Fisher-Yates Test	Multivariate Analysis
Between Factors	Fixed Factor	Multivariate Analysis of Variance (MANOVA)
Bonferroni Test	Fractional Factorial Design Analysis	Nested Factors
Box Plots	Friedman's Q Statistic	Newman-Keuls Test
Box-Cox Algorithm	Friedman's Rank Test	Nondetects Analysis
Box-Cox for ANOVA	F-Test	Nondetects-Data Group Comparison
Box-Cox for One-Way ANOVA	Gehan Test	Nonparametric
Box-Cox for T-Test	Geisser-Greenhouse Adjustment	Nonparametric Multiple Comparison Test
Box-Cox Plots	General Linear Models	Nonparametric Tests
Box-Cox Power Transformation	General Linear Models (GLM)	Normal Scores Test
Box-Cox Transformation	GLM	Normality Tests
Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)	Hierarchical Models	One-Way Analysis of Variance
Box's M Test	Histograms	One-Way ANOVA
Brown-Forsythe Test	Hoeffding Test	Orthogonal Contrasts
Canonical Variates	Homogeneity Test	Orthogonal Polynomial Contrasts
Censoring	Homoskedasity	Outliers
Circularity	Hsu's M. C. with the Best	Paired Comparisons
Collinearity	Huynh-Feldt Epsilon	Peto-Peto Test
Compound Symmetry	Kaplan-Meier	Pillai's Trace
Confounding	Kaplan-Meier Curves	Planned Comparisons
Constant Variance Test	Kendall's Concordance Coefficient	Plots
Covariance Analysis	Kruskal-Wallis Test	Power Transformation
Covariance Matrix	Kruskal-Wallis Z M. C. Test	Probability Plots
Custom Comparisons	Kurtosis Normality Test	Random Factor
Data Plots	Lambda	Randomized Block Design Analysis
	Lambda vs. SD Plots	
	Latin Square Design Analysis	
	Lawley-Hotelling Trace	

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Ranks	Terry-Hoeffding Test	Two-Sample T-Test
Repeated Measures	Tests for Two-Factor Interactions	Unequal Variances Tests
Repeated Measures Analysis of Variance	Transformations	Unweighted Means F-Test
Roy's Largest Root	Transformations - Box-Cox	UWM F-Test
Scheffe's Test	Transformations - Power	Van der Waerden Test
Shapiro-Wilk Normality Test	Transformations to Normality	Variance Equality Tests
Skewness Normality Test	T-Test	Welch's Test with Unequal Variances
Split-Plot Design Analysis	Tukey-Kramer Simultaneous Confidence Intervals	Wilks' Lambda
Subject Plots	Tukey-Kramer Test	Within Factors
Tarone-Ware Test	Two-Level Design Analysis	

Appraisal

Additive Model	Correlation - Spearman	Hat Diagonal
Adjusted R-Squared	Correlation Coefficient	Hat Values
Adjustment	Correlation Matrix	Heteroscedasticity
Analysis of Covariance	Counts	Histograms
Analysis of Variance	COV	Horizontal Equity
ANCOVA	Covariance	Hybrid Appraisal Models
Anderson-Darling Normality Test	Cp	Influence
ANOVA	Curve Fitting	Interquartile Range
AOV	Custom Model	IQR
Appraisal	CV	Kolmogorov-Smirnov Test
Appraisal Models	D'Agostino Kurtosis Normality Test	Kurtosis
Appraisal Ratio Studies	D'Agostino Omnibus Normality Test	Kurtosis Normality Test
Assessment Models	D'Agostino Skewness Normality Test	Lack-of-Fit Test
Autocorrelation Regression	Descriptive Statistics	Levenberg-Marquardt Nonlinear Least-Squares Algorithm
Autocorrelations	Descriptive Statistics - Summary Lists	Levene's Equal Variance Test
Autoregressive Error Model	Descriptive Statistics - Summary Tables	Lilliefors' Critical Values
Average Absolute Percent Error	Descriptive Tables	Linear Regression
Bar Charts	DFBETA	Linear Regression and Correlation
Bootstrap Confidence Interval	DFFITS	Loess
Bootstrapping	Differential Evolution	Lowess
Candidate Properties	Dispersion	MAD
Central Moments	Distance Metric	MADM
COC	Distribution Statistics	Mallow's Cp
Cochrane-Orcutt Procedure	Durbin-Watson Test	MAPDMMADM
COD	EDF	Market Value
Coefficient of Concentration	Eigenvalues	Martinez-Iglewicz Normality Test
Coefficient of Dispersion	Eigenvectors	Mass Appraisal
Coefficient of Price-Related Bias	Estimation of Property Values	Maximum
Coefficient of Variation	Euclidean Distance	Mean Absolute Deviation
Coefficients	Feedback Model	Mean Absolute Deviation from the Median
Comparability	Fisher's g1	Means
Comparable Property	Fisher's g2	Median
Comparables	Fisher's Z Transformation	Median Absolute Deviation from the Median
Comparables Appraisal	Forecasting	Median Absolute Percent Deviation from the Median
Confidence Band	Forward Selection	M-Estimators
Confidence Interval	F-Test	
Cook's D	Geometric Mean	
Cook's Distance	Harmonic Mean	
Correlation - Pearson		

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Minimum	PRESS Statistics	Skewness
Minkowski Distance	Price-Related Bias	Skewness Normality Test
Missing Count	Price-Related Differential	Slopes - Testing for Equal
Mode	Probability Ellipse	Spearman Correlation
Model Fitting	Probability Plots	Spearman Rank Correlation
Model Fitting for Appraisal	Property Valuation	Standard Deviation
Moment	Quartiles	Standard Error
Multicollinearity	Randomization Test	Stem-and-Leaf Plots
Multiple Regression	Range	Stem-Leaf Plots
Multiple Regression - Basic	Ratio study	Subject Property
Multiple Regression for Appraisal	Regression	Summary Lists
Multiple Regression with Serial Correlation	Regression for Appraisal	Summary Tables
Multiplicative Model	Residual Plots	Sums
Nash's MRT Algorithm	Residuals	Table of Means
Nonlinear Regression	R-Squared	Tables - Descriptive
Nonparametric Tests	RStudent Residuals	Tests for Two-Factor Interactions
Normal Distribution	Sale Date Adjustment	Time Series Plots
Normal Probability	Sale Price Adjustment	Trimmed Mean
Normal Probability Plots	Sales Comparison Approach	Trimmed Standard Deviation
Normality Tests	Sales Ratio Study	Variance
Orthogonal Regression	Scatter Plots	Variance Inflation Factor
Outlier Detection	Screening Data	Variance Test
Outliers	SD	Variation
Partial Correlation	SE	Vertical Equity
Partial Residual Plots	Sequence Plots	VIF
Pearson Correlation	Sequential Models	Weighted Coefficient of Dispersion
Percentiles	Serial Correlation	Weighted Coefficient of Variation
PRB	Serial Correlation Plots	Working-Hotelling C.I. Band
PRD	Shapiro-Wilk Normality Test	Working-Hotelling Limits
Predicted Values	Similarity of Properties	Yhat
Prediction Limits	Simple Linear Regression	
	Single Property Appraisal	

Cluster Analysis

Agglomerative Hierarchical Clustering	Dunn's Partition Coefficient	Medoid Partitioning
Bivariate Plots	Euclidean Distance	Membership Matrix
Centroid Linkage	Flexible Strategy Linkage	Model Fitting
Cluster Analysis	Fuzzy Clustering	Multiple Regression
Cluster Means	Goodness-of-Fit Tests	Nearest Neighbor Linkage
Cluster Medoid	Group Average Linkage	Partition Around Medoids
Cluster Standard Deviations	Hierarchical Clustering	Regression Clustering
Clustering	Kaufman-Rousseeuw Algorithm	Regression Exchange Algorithm
Complete Linkage	K-Means Clustering	Silhouettes
Cophenetic Correlation	Linkage	Simple Average Linkage
Correlation Coefficient	Manhattan Distance	Single Linkage
Dendrograms	Median	Spath Algorithm
Dissimilarity	Median Linkage	Ward's Minimum Variance Linkage
Distance	Medoid Clustering	

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Correlation

Adjusted R-Squared
 Agreement
 Alpha - Cronbach's
 Analysis of Variance
 Anderson-Darling Normality Test
 Angular Data Analysis
 ANOVA
 AOV
 Autocorrelations
 Average-Difference Plots
 Binary Correlation
 Biserial Correlation
 Bland-Altman
 Bland-Altman Plot and Analysis
 Bland-Altman Plots
 Bootstrap Confidence Interval
 Bootstrapping
 Box Plots
 Box-Cox Algorithm
 Box-Cox for Linear Regression
 Box-Cox for Regression
 Box-Cox Plots
 Box-Cox Power Transformation
 Box-Cox Transformation
 Box-Cox Transformation for Simple
 Linear Regression
 Brown-Forsythe Test
 Canonical Correlation
 CCC
 Circular Correlation
 Circular Data Correlation
 Circular Data Plots
 Circular Dispersion
 Circular Histograms
 Circular Statistics
 Circular Uniform Distribution
 Circular Variance
 Coefficient Alpha
 Coefficient of Variation
 Coefficients
 Concordance Coefficient
 Concordance Correlation Coefficient
 Confidence Band
 Confidence Interval
 Cook's D
 Cook's Distance
 Correlation
 Correlation - Kendall's Tau
 Correlation - Pearson
 Correlation - Point-Biserial
 Correlation - Spearman
 Correlation Coefficient
 Correlation Confidence Interval
 Correlation Matrix
 Correlations - Partial
 COV
 Cox Test
 Cronbach's Alpha
 D'Agostino Kurtosis Normality Test
 D'Agostino Omnibus Normality Test
 D'Agostino Skewness Normality Test
 DFBETA
 DFFITS
 Diagnostic Tests
 Dichotomous Correlation
 Durbin-Watson Test
 Equal-Variance Tests
 Equivalence Tests
 Fisher's Z Transformation
 Forecasting
 Hat Diagonal
 Hat Values
 Heteroscedasticity
 Histograms
 Influence
 Item Analysis
 Kendall's Tau Correlation
 Kuiper's Test
 Lack-of-Fit Test
 Lambda
 Levene's Equal Variance Test
 Likelihood Ratio Test
 Limits of Agreement
 Linear Regression
 Linear Regression - Box-Cox
 Linear Regression and Correlation
 Lin's CCC
 Lin's Concordance Correlation
 Coefficient
 LoA
 Loess
 Lowess
 Mardia-Watson-Wheeler Uniform-
 Scores Test
 Mean Comparison
 Mean Difference
 Mean Direction
 Mean Equality
 Means
 Measurement Error
 Method Comparison
 Model Fitting
 Modified Kuiper's Test
 Multicollinearity
 Multivariate Analysis
 Nonparametric Correlation
 Nonparametric Tests
 Normality Plots
 Normality Tests
 Orthogonal Regression
 Outlier Detection
 Outliers
 Paired T-Test
 Pearson Correlation
 Point-Biserial and Biserial Correlations
 Point-Biserial Correlation
 Power Transformation
 Precision Measure
 Predicted Values
 Prediction Limits
 PRESS Statistics
 Probability Ellipse
 Probability Plots
 Product-Moment Correlation
 Randomization Test
 Rater Reliability
 Rayleigh Test
 Regression
 Reliability
 Reproducibility
 Residual Plots
 Residuals
 Rose Plots
 R-Squared
 RStudent Residuals
 Sample Correlation Coefficient
 Scatter Plots
 Scores Plots
 Serial Correlation
 Serial Correlation Plots
 Shapiro-Wilk Normality Test
 Simple Correlation Coefficient
 Simple Linear Correlation
 Simple Linear Regression
 Spearman Correlation
 Spearman Rank Correlation
 Standard Error
 Standardized Canonical Coefficients
 Transformations
 Transformations - Box-Cox
 Transformations - Power
 Transformations to Normality
 Uniformity Test

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Variable-Variate Correlations	Watson Test	Working-Hotelling Limits
Variance Test	Watson-Williams F-Test	Yhat
Von Mises Distribution	Wilks' Lambda	
Watson and Williams Test	Working-Hotelling C.I. Band	

Curve Fitting

Bleasdale-Nelder Model Fit	Linear-Quadratic Model Fit	Ratio of Polynomials Fit
Bootstrap Confidence Interval	Logarithmic Model Fit	Ratio of Polynomials Fit - Many Variables
Bootstrapping	Logistic Model Fit	Ratio of Polynomials Fit - One Variable
Centiles	Log-Normal Model Fit	Ratio of Polynomials Search
Cubic Model Fit	Michaelis-Menten Equation	Ratio of Polynomials Search - Many Variables
Curve Fitting	Michaelis-Menten Model Fit	Ratio of Polynomials Search - One Variable
Curve Fitting - General	Model Fitting	Reciprocal Model Fit
Curve Fitting Plots	Model Searching	Reference Interval
Curve Fitting Scatter Plot Matrix	Monomolecular Model Fit	Reference Intervals
Curve Inequality Test	Morgan-Mercer-Floding Model Fit	Reference Intervals - Age-Specific
Draw Function	Multivariate Polynomial Ratio Fit	Reference Range
Enzyme Kinetics	Nash's MRT Algorithm	Regression
Equation Plots	Nonlinear Regression	Residual Plots
Exponential Model Fit	Normal Model Fit	Richards Model Fit
Farazdaghi and Harris Model Fit	Normal Range	R-Squared
Fetal Size	Normality Test	Scatter Diagram
Formula Plots	Normality Tests	Scatter Plot Matrix
Fractional Polynomial Regression	Percentiles	Scatter Plot Matrix for Curve Fitting
Fractional Polynomials	Plots	Scatter Plots
Function Plots	Polynomial Ratio	Scattergraph
Gompertz Model Fit	Polynomial Ratio Model Fit	Shapiro-Wilk Normality Test
Goodness-of-Fit Tests	Polynomial Regression	Shinozaki and Kira Model Fit
Hill Model Fit	Power Model Fit	Sum of Exponentials Model Fit
Holliday Model Fit	Predicted Values	Sum of Functions Models
Hyperbola	Probability Plots	Tolerance Intervals
Kinetics	Quadratic Model Fit	Weibull Fitting
Levenberg-Marquardt Nonlinear Least-Squares Algorithm	Quadratic-Linear Model Fit	Weibull Model Fit
Linear Model Fit	Quadratic-Quadratic Model Fit	
Linear-Linear Model Fit	Quantile Regression	
Linear-Linear-Linear Model Fit	Randomization Test	
	Ratio of Polynomials	

Descriptive Statistics

Adjusted Kappa Statistic	Box-Cox Algorithm	Circular Dispersion
Anderson-Darling Normality Test	Box-Cox Plots	Circular Histograms
Angular Data Analysis	Box-Cox Power Transformation	Circular Statistics
Area Under Curve	Box-Cox Transformation	Circular Uniform Distribution
Armitage Rank Correlation Test	Cauchy Distribution	Circular Variance
Association and Correlation Statistics	Cell Counts	Cochran-Armitage Proportion Trend Test
AUC	Central Moments	Cochran-Armitage Proportion Trend Test with Continuity Correction
Bar Charts	Chi-Square	COD
Beta Distribution	Chi-Square Test	Coefficient of Dispersion
Bimodal Data	Circular Correlation	Coefficient of Variation
Binomial Distribution	Circular Data Analysis	
Block Outlier Tests	Circular Data Plots	

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Column Percentages	Harmonic Mean	Normal Probability
Combining Distributions	Histograms	Normal Probability Plots
Confidence Interval	Imputation	Normality Tests
Constant Distribution	Imputing Data	Omnibus Normality Test
Contaminated Normal Distribution	Independence Tests	Outlier Detection
Contingency Tables	Interquartile Range	Outlier Test
Contingency Tables (Crosstabs / Chi-Square Test)	Inter-Rater Agreement (Kappa)	Outliers
Continuity Correction	IQR	Paired T-Test
Correlation Statistics	Kappa Reliability Test	Pearson's Chi-Square Test
Count Tables	Kappa Statistic	Pearson's Contingency Coefficient
Counts	Kappa Test for Inter-Rater Agreement	Percentages
COV	Kendall's Tau	Percentiles
Cox Test	Kolmogorov-Smirnov Normality Test	Phi
Cramer's V	Kolmogorov-Smirnov Test	Plots
Cross Tabulation	Kuiper's Test	Poisson Distribution
Crosstabs	Kurtosis	Power Transformation
CV	Kurtosis Normality Test	Probability Distribution Simulation
D'Agostino Kurtosis Normality Test	Lambda	Probability Plots
D'Agostino Omnibus Normality Test	Lambda vs. SD Plots	Proportion Trend Test
D'Agostino Skewness Normality Test	Laplace Distribution	Proportions
Data Imputation	Likelihood Ratio Test	Quartiles
Data Plots	Likert-Scale Data	Random Numbers
Data Screening	Lilliefors' Critical Values	Range
Data Simulation	Logistic Distribution	Rayleigh Test
Descriptive Statistics	Lognormal Distribution	Reliability
Descriptive Statistics - Summary Lists	MAD	Rose Plots
Descriptive Statistics - Summary Tables	MADM	Rosner's Outlier Test
Descriptive Tables	Mardia-Watson-Wheeler Uniform-Scores Test	Row Percentages
Detecting Outliers	Martinez-Iglewicz Normality Test	Row-Column Independence Test
Dispersion	Maximum	Score Test
Distribution Simulation	McNemar Test	Screening Data
Distribution Statistics	Mean Absolute Deviation	SD
EDF	Mean Absolute Deviation from the Median	SE
ESD Outliers	Mean Direction	Shapiro-Wilk Normality Test
Exact Test	Means	Simulate Data
Expected Counts	Median	Simulate Distribution
Exponential Distribution	Minimum	Simulation
Extreme Studentized Deviate	Missing Count	Simulator
Extreme Values	Missing Value Estimation	Skewed Distribution
F Distribution	Mixing Distributions	Skewness
Fisher's Exact Test	Mode	Skewness Normality Test
Fisher's g1	Modified Kuiper's Test	Snedecor's F Distribution
Fisher's g2	Moment	Standard Deviation
Frequency Tables	Monte-Carlo Simulation	Standard Error
Gamma	Multi-Group Concentration Homogeneity Test	Standardized Residuals
Gamma Distribution	Multinomial Distribution	Stem-and-Leaf Plots
Generating Data	Multinomial Test	Stem-Leaf Plots
Geometric Mean	Multivariate Normal Missing Value Estimation	Stephens Test
Grubbs' Outlier Test	Normal Distribution	Student's T Distribution
Grubbs' Test		Summary Lists
Gumbel Distribution		Summary Tables
		Sums
		Symmetric Lambda

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T Distribution	Trimmed Mean	Watson-Williams F-Test
Table of Means	Trimmed Standard Deviation	Watson-Williams High Concentration F-Test
Table Percentages	Tschuprow's T	Weibull Distribution
Table Statistics	Tukey's Lambda Distribution	Weighted Kappa
Tables - Descriptive	Two-Way Tables	Weighted Kappa Reliability Test
Test of Normality	Uniform Distribution	Weighted Kappa Statistic
Tolerance Intervals	Uniformity Test	Weighted Kappa Test for Inter-Rater Agreement
Tolerance Limits	Variance	Yates' Continuity Corrected Chi-Square Test
Transformations	Variation	
Transformations - Box-Cox	Von Mises Distribution	
Transformations - Power	Watson and Williams Test	
Transformations to Normality	Watson Test	

Design of Experiments

A-Efficiency	Determinant Analysis	Probability Plots
Alias	DOE	Random Sorting
Aliasing	D-Optimal Designs	Random Sorting using Maximum Allowable % Deviation
Analysis of Two-Level Designs	Efron's Biased Coin Randomization	Random Subject Assignment
Analysis of Variance	Expanded Design Matrix	Randomization Algorithms
ANOVA	Experimental Design	Randomization Lists
AOV	Factorial Designs	Randomized Block Design
Assigning Subjects to Groups	Fractional Factorial Designs	Regression
Balanced Incomplete Block Designs	Generate Designs	Repeated Measures
Biased Coin Randomization	Graeco-Latin Square Designs	Replicated Designs
BIB Designs	Hierarchical Models	Response Surface
BIBD	Hierarchical Regression	Response Surface Designs
Blocked Designs	Incomplete Block Designs	Response Surface Regression
Box-Behnken Designs	Lack-of-Fit Test	R-Squared
Candidate Points Report	Latin Square Designs	Screening Designs
Central-Composite Designs	Longitudinal Design	Smith's Randomization
Complete Randomization	Means Plots	Split-Plot Design Generation
Confounding	Mixture Design	Taguchi Designs
Contour Plots	Model Fitting	Two-Level Design Analysis
Crossed Factors	Nested Factors	Two-Level Designs
D-Efficiency	Orthogonal Arrays	Two-level Factorial Designs
Design Generator	Orthogonal Design	Wei's Urn Randomization
Design of Experiments	Plackett-Burman Designs	

Diagnostic Tests

Accuracy	Binary Diagnostic Tests - Paired Samples	Comparing Two ROC Curves - Independent Groups Design
Area Under Curve	Binary Diagnostic Tests - Single Sample	Comparing Two ROC Curves - Paired Design
Area Under ROC Curve	Binary Diagnostic Tests - Two Independent Samples	Confidence Intervals for Comparing Two AUCs
Area Under ROC Curve Confidence Interval	Binormal ROC Curve	Confidence Intervals for Comparing Two Paired AUCs
AUC	Cluster Randomization	Cost-Benefit Analysis
AUC Confidence Interval	Clustered Binary Diagnostic Tests	Diagnostic Odds Ratio
AUC Hypothesis Test	Comparing Two AUCs	Diagnostic Tests
Binary Diagnostic Tests	Comparing Two Paired AUCs	Empirical ROC Curve
Binary Diagnostic Tests - Clustered Samples		

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Equivalence of Two AUCs	Non-Inferiority Test for Specificity	Sensitivity
Equivalence of Two Paired AUCs	Nonparametric ROC Curves	Sensitivity Confidence Interval
Equivalence Test for Sensitivity	NPV	Sensitivity Equivalence Tests
Equivalence Test for Specificity	Odds Ratio	Sensitivity Hypothesis Tests
Equivalence Tests	One ROC Curve and Cutoff Analysis	Sensitivity Non-Inferiority Tests
Fall-out	Optimal Criterion Value	Specificity
False Discovery Rate	Paired ROC Curves	Specificity Confidence Interval
False Negative Rate	Positive Likelihood Ratio	Specificity Equivalence Tests
False Omission Rate	Positive Predictive Value	Specificity Hypothesis Tests
False Positive Rate	PPV	Specificity Non-Inferiority Tests
Likelihood Ratio	Precision	Tests for Two AUCs
Miss Rate	Prevalence	Tests for Two Paired AUCs
Negative Likelihood Ratio	Proportion Correctly Classified	True Negative Rate
Negative Predictive Value	Proportions	True Positive Rate
Non-Inferiority of Two AUCs	Proportions Tests	Youden Index
Non-Inferiority of Two Paired AUCs	Receiver Operating Characteristic Curve	
Non-Inferiority Test for Sensitivity		

Distribution Fitting

Anderson-Darling Normality Test	Failure Distribution	Mill's Ratio
Arcsine Square Root Hazard	Gamma Distribution	Nelson-Aalen Hazard
Beta Distribution Fitting	Gamma Distribution Fitting	Newton-Raphson
Beta Reliability Plots	Gamma Plots	Normal Distribution
Block Outlier Tests	Gamma Probability Plots	Normal Fit
Border Plots	Greenwood's Formula	Normal Probability
Box-Cox Power Transformation	Grubbs' Outlier Test	Normal Probability Plots
Box-Cox Transformation	Grubbs' Test	Normality Plots
Censoring	Half-Normal Distribution	Normality Tests
Chi-Square Distribution	Half-Normal Plots	Omnibus Normality Test
Chi-Square Plots	Half-Normal Probability Plots	Outlier Detection
Chi-Square Probability Plots	Hazard Function	Outlier Test
Compare Probability Plots	Hazard Function Plots	Outliers
Cumulative Hazard	Hazard Rate	Parametric Hazard Rate Plots
D'Agostino Kurtosis Normality Test	Hazard Rate Plots	Probability Plot Comparison
D'Agostino Omnibus Normality Test	Histograms	Probability Plots
D'Agostino Skewness Normality Test	Kaplan-Meier	Product-Limit Estimator
Descriptive Statistics	Kaplan-Meier Curves	Product-Limit Survivorship
Detecting Outliers	Kolmogorov-Smirnov Normality Test	Reliability
Differential Evolution	Kolmogorov-Smirnov Test	Residuals
Distribution (Weibull) Fitting	Kurtosis	Rosner's Outlier Test
Distribution Fitting	Kurtosis Normality Test	Shapiro-Wilk Normality Test
Distribution Plots	Logistic Distribution	Skewness
Epanechnikov Kernel	Logistic Fit	Skewness Normality Test
ESD Outliers	Logistic Probability Plots	Survival Analysis
Exponential Distribution	Log-Logistic Distribution	Survival Distribution Fitting
Exponential Fit	Log-Logistic Fit	Survival Function
Exponential Probability Plots	Log-Logistic Probability Plots	Survival Plots
Extreme Studentized Deviate	Log-Normal Distribution	Survivorship - Beta Plots
Extreme Value Distribution	Log-Normal Fit	Survivorship - Gamma Plots
Extreme Value Fit	Log-Normal Plots	Survivorship Plots
Extreme Value Probability Plots	Log-Normal Probability Plots	Test of Normality
Extreme Values	Martinez-Iglewicz Normality Test	

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Uniform Distribution
Uniform Probability Plots

Weibull Distribution
Weibull Fit

Weibull Probability Plots

Forecasting

Amplitude
Analysis of Runs
ARIMA
ARIMA (Box-Jenkins)
ARMA
Autocorrelation Plots
Autocorrelations
Automatic ARMA
Backcasting
Box-Jenkins
Box-Pierce-Ljung Statistic
Computing Runs
Continuity Correction
Correlation Coefficient
Correlogram
Cosines
Cross-Correlations
Cross-Correlations Plots
Cycle
Cycle Regression
Cycle-Input
Cycles
Cyclical Regression
Data Plots
Decomposition Forecasting
Decomposition Ratio Plots
Differencing
Double Exponential Smoothing
Exact Runs Test for Randomness
Exact Runs Test for Serial
Randomness
Exponential Smoothing
Exponential Smoothing - Horizontal

Exponential Smoothing - Trend
Exponential Smoothing - Trend /
Seasonal
Fast Fourier Transform
Forecast Plots
Forecasting
Fourier Plots
Fourier Series
Frequencies
Function Plots
Harmonic Regression
Holt's Linear Trend
Holt-Winters Exponential Smoothing
Holt-Winters Forecasting
k-Category Runs Test for Randomness
Ljung Statistic
MAE
MAPE
Multiple Regression
Nonparametric
Nonparametric Tests
Number of Runs
Partial Autocorrelation
Partial Autocorrelation Plots
Periodic Regression
Periodogram Plots
Portmanteau Test
Predicted Values
Prediction Limits
Probability Plots
Randomness Tests
Ratio Plots
Regression

Residual Plots
Runs Analysis
Runs Charts
Runs Test for Serial Randomness
Runs Tests
Scatter Plots
Seasonal Differencing
Seasonality
Serial Randomness
Sines
Single-Sample k-category Runs Test
for Randomness
Single-Sample Runs Test for
Randomness
Single-Sample Runs Test for Serial
Randomness
Single-Sample Runs Tests
Sinusoidal Regressions
Spectral Analysis
Spectrum Plots
Test for Serial Randomness
Tests for Randomness
Tests for Runs
Theoretical ARMA
Time Series
Time Series Plots
Up-Down Runs Test
Wald-Wolfowitz Runs Test
Wave Regression
Winters Forecasting
Yule-Walker

Item Analysis

Alpha - Cronbach's
Coefficient Alpha
Cronbach's Alpha

Item Analysis
Item Response Analysis
Item Response Plots

Multivariate Analysis
Reliability

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Meta-Analysis

Cochran's Q Test	Meta-Analysis	Radial Plots
Correlated Proportions	Meta-Analysis of Correlated Proportions	Random Effects Models
Effect-Equality Test	Meta-Analysis of Hazard Ratios	Relative Risk
Fixed Effects Models	Meta-Analysis of Means	Risk Difference
Forest Plots	Meta-Analysis of Proportions	Risk Ratio
Hazard Ratio	Odds Ratio	T-Tests
Heterogeneity Test	Proportions	Zero-Effect Test
L'Abbe Plots	Proportions Tests	
Means		

Method Comparison

Agreement	Extreme Values	Orthogonal Regression
Anderson-Darling Normality Test	Grubbs' Outlier Test	Outlier Detection
Average-Difference Plots	Grubbs' Test	Outlier Test
Bablok Regression	Histograms	Outliers
Bland-Altman	Jackknife Standard Error Estimation	Paired t-test
Bland-Altman Plot and Analysis	Kolmogorov-Smirnov Normality Test	Passing Bablok Regression
Bland-Altman Plots	Kolmogorov-Smirnov Test	Passing Regression
Block Outlier Tests	Kurtosis	Passing-Bablok Regression for Method Comparison
Box-Cox Power Transformation	Kurtosis Normality Test	Precision Measure
Box-Cox Transformation	Limits of Agreement	Probability Plots
CCC	Lin's CCC	Proportional Errors
Concordance Coefficient	Lin's Concordance Correlation Coefficient	Rank Regression
Concordance Correlation Coefficient	LoA	Rater Reliability
Correlation Coefficient	Martinez-Iglewicz Normality Test	Reliability
D'Agostino Kurtosis Normality Test	Mean Comparison	Reproducibility
D'Agostino Omnibus Normality Test	Mean Difference	Residual Plots
D'Agostino Skewness Normality Test	Mean Equality	Robust Regression
Deming Regression	Means	Rosner's Outlier Test
Descriptive Statistics	Measurement Error	Scatter Plots
Detecting Outliers	Method Comparison	Shapiro-Wilk Normality Test
Diagnostic Tests	Normal Distribution	Simple Deming Regression
Difference vs. Average Plots	Normal Probability	Skewness
Equivalence Tests	Normal Probability Plots	Skewness Normality Test
Errors-in-Variables Regression	Normality Tests	Test of Normality
ESD Outliers	Omnibus Normality Test	Weighted Deming Regression
Extreme Studentized Deviate		

Mixed Models

AIC	Compound Symmetry	F-Test
Akaike Information Criterion	Covariance Pattern	G Matrix
Analysis of Covariance	Covariates	Hessian Matrix
Analysis of Variance	Cross-Over Analysis	Heterogenous Variances
ANCOVA	Cross-Over Design Analysis	Hierarchical Regression
ANOVA	Differential Evolution	Kenward and Roger Method
AOV	Factorial Mixed Models	L Matrix
Between Factors	Fisher Scoring	Linear Mixed Model
Bonferroni Adjustment	Fixed Effects Models	Longitudinal Data Analysis

NCSS Procedure and Topic List (Categorized)

Means Plots	Paired Comparisons	Repeated Measures Analysis of Variance
MIVQUE	Planned Comparisons	Repeated Measures Design Analysis
Mixed Models	R Matrix	Restricted Maximum Likelihood
Mixed Models - General	Random Coefficients Models	Split-Plot Design Analysis
Mixed Models - No Repeated Measures	Random Effects Models	Subject Plots
Mixed Models - Random Coefficients	Random Models	T-Tests
Mixed Models - Repeated Measures	Randomized Complete Block Design Analysis	Unequal Variances Tests
Model Fitting	REML	Variance-Covariance Matrix
Multiple Comparison Tests	Repeated Measures	Within Factors
Newton-Raphson		

Multivariate Analysis

Association - Partial and Marginal	Freeman-Tukey Standardized Residual	Non-Metric Multidimensional Scaling
Bartlett's Sphericity Test	FT-SR	Outliers
Bartlett's Test	Gleason-Staelin Redundancy Measure	Paired T-Test
Bonferroni C.I.'s	Goodness-of-Fit Tests	Partial Association
Box's M Test	Hierarchical Models	PCA
CA	Hotelling's One-Sample T2	Pearson Chi-square
Canonical Coefficients	Hotelling's Paired-Sample T2	Pillai's Trace
Canonical Correlation	Hotelling's Two-Sample T2	Principal Components
Canonical Scores	Imputation	Principal Components Analysis
Canonical Scores Plots	Imputing Data	Principal Coordinates
Canonical Variates	Lambda	Quartimax Rotation
Chi-Square Test	Lawley-Hotelling Trace	Randomization Test
Collinearity	Linear Discriminant Function	Regression Scores Plots
Communality	Linear Discriminant Scores	Repeated Measures
Confidence Interval	Linear Discriminant Scores Plots	Repeated Measures Analysis of Variance
COR	LLM	Robust Weight
Correlation Coefficient	Loadings	Roy's Largest Root
Correlation Eigenvalues	Loadings Plots	R-Squared
Correlation Matrix	Loglinear Models	Score Coefficients
Correspondence Analysis	MANOVA	Scores Plots
Correspondence Plots	Marginal Association	Scree Plots
Covariance Eigenvalues	MDS Map	Simultaneous C.I.'s
Covariance Matrix	Means	Sphericity Test
CTR	Means Plots	Standardized Canonical Coefficients
Discriminant Analysis	Metric Multidimensional Scaling	Stress
Dissimilarity Plots	Missing Value Estimation	Subset Selection
Distance	Multicollinearity	T2
Eigenvalues	Multidimensional Scaling	T-Tests
Eigenvectors	Multivariate Analysis	Variable Selection
EM Algorithm	Multivariate Analysis of Variance (MANOVA)	Variable-Variate Correlations
Equality of Covariance	Multivariate Normal	Varimax Rotation
Expected Mean Squares	Multivariate T-Test	Wilks' Lambda
Factor Analysis	Multiway Frequency Analysis	
Factor Loadings		

NCSS Procedure and Topic List (Categorized)

Nondetects Data

Censoring	Log-Normal Distribution	Peto-Peto Test
Cox-Snell Residuals	Logrank Test	Plots
EDF Plots	Model Fitting	Regression
Empirical Distribution Function	Nondetects Analysis	R-Squared
Gehan Test	Nondetects Data Regression	Tarone-Ware Test
Kaplan-Meier	Nondetects-Data Group Comparison	
Kaplan-Meier Curves	Nonparametric	

Nonparametric

Bootstrap Confidence Intervals (One-Sample T-Test)	Mann-Whitney U Test (Two-Sample T-Test)	ROC Curves (Comparing Two ROC Curves – Independent Groups Design)
Bootstrap Confidence Intervals (Paired T-Test)	McNemar Test (Cochran's Q Test (as pairwise multiple comparison tests))	ROC Curves (Comparing Two ROC Curves – Paired Design)
Bootstrap Confidence Intervals (Two-Sample T-Test)	McNemar Test (Contingency Tables (Crosstabs / Chi-Square Test))	ROC Curves (One ROC Curve and Cutoff Analysis)
Cochran's Q Test	McNemar Test (Two Correlated Proportions – Equivalence Tests)	Runs Tests (Analysis of Runs)
Conover Equal Variance Test (One-Way ANOVA)	McNemar Test (Two Correlated Proportions (McNemar Test))	Sign Test (One-Sample T-Test)
Cumulative Incidence Curves	Nondetects-Data Group Comparison	Sign Test (Paired T-Test)
Dunn's Test (One-Way ANOVA)	Quantile Test (One-Sample T-Test)	Spearman Rank Correlation (Correlation Matrix)
Dwass-Steel-Critchlow-Fligner Test (One-Way ANOVA)	Quantile Test (Paired T-Test)	Spearman Rank Correlation (Correlation)
Friedman's Rank Test (Balanced Design ANOVA)	Randomization Test (Curve Fitting - General)	Spearman Rank Correlation (Linear Regression and Correlation)
Kaplan-Meier Curves	Randomization Test (Hotelling's One-Sample T2)	Wald-Wolfowitz Runs Test (Analysis of Runs)
Kendall's Tau (Contingency Tables (Crosstabs / Chi-Square Test))	Randomization Test (Hotelling's Two-Sample T2)	Wilcoxon Rank-Sum Test (Two-Sample Equivalence Test)
Kendall's Tau (Correlation)	Randomization Test (Kaplan-Meier Curves (Logrank Tests))	Wilcoxon Rank-Sum Test (Two-Sample Non-Inferiority Test)
Kolmogorov-Smirnov Test (Two-Sample T-Test)	Randomization Test (Linear Regression and Correlation)	Wilcoxon Rank-Sum Test (Two-Sample T-Test)
Kruskal-Wallis Test (One-Way ANOVA)	Randomization Test (Michaelis-Menten Equation)	Wilcoxon Signed-Rank Test (One-Sample T-Test)
Logrank Test (Kaplan-Meier Curves (Logrank Tests))	Randomization Test (One-Sample T-Test)	Wilcoxon Signed-Rank Test (Paired T-Test)
Mann-Whitney U Test (Two-Sample Equivalence Test)	Randomization Test (Paired T-Test)	
Mann-Whitney U Test (Two-Sample Non-Inferiority Test)	Randomization Test (Two-Sample T-Test)	

Operations Research

Assignment	Final Tableau	Linear Programming with Tableau LP
Assignment Algorithm	Flow	Maximal Flow
Binary Integer Programming	Forest	Maximum Flow
Capacitated Flow	Greedy Algorithm	Minimum Cost Capacitated Flow
Constraints	Integer Programming	Minimum Cost Flow
Decision Variables	Linear Programming	Minimum Path
Dual Simplex Algorithm	Linear Programming with Bounds	

NCSS Procedure and Topic List (Categorized)

Minimum Spanning Forest	Optimal RHS	Simplex Algorithm
Minimum Spanning Tree	Optimization	Spanning Tree
Mixed Integer Linear Programming	Original Cost	Tableau
Mixed Integer Programming	QP	Transportation
Network	Quadratic Programming	Transportation Algorithm
Network Flow	RHS	Transshipment
Objective Function	Shortest Path	Tree
Operations Research	Shortest Route	

Proportions

2x2 Table	Crosstabs	Multiway Frequency Analysis
Absolute Risk	Descriptive Statistics	Nam Equivalence Test
Adjusted Kappa Statistic	Difference in Proportions	Nam Score Confidence Interval
Armitage Rank Correlation Test	Equivalence Tests	Nam Score Test
Association - Partial and Marginal	Equivalence Tests using TOST	Nam-Blackwelder Confidence Interval
Association and Correlation Statistics	Exact Binomial Test	Nam-Blackwelder Test
Bar Charts	Exact Conditional Binomial Test	Non-Inferiority Tests
Barnard Exact Test	Exact Conditional Confidence Interval	Nonparametric
Binomial Test	Exact Confidence Interval	Nonparametric Tests
Binomial Test of Odds Ratio	Exact Test	Number Needed to Treat
Blackwelder Test	Expected Counts	Odds Ratio
Blackwelder-Nam Confidence Interval	Farrington-Manning Score	One Proportion
Bootstrap Confidence Interval	Fisher Conditional Exact Test	One Proportion Tests
Bootstrapping	Fisher's Exact Test	Paired Proportions
Cell Counts	Fleiss Confidence Interval	Paired T-Test
Chen's Quasi-Exact Confidence Interval	Freeman-Tukey Standardized Residual	Partial Association
Chi-Square	Frequencies	Pearson Chi-square
Chi-Square Test	Frequency Tables	Pearson Conditional Exact Test
Cochran-Armitage Proportion Trend Test	FT-SR	Pearson's Chi-Square Test
Cochran-Armitage Proportion Trend Test with Continuity Correction	Gamma	Pearson's Contingency Coefficient
Cochran's Q Test	Gart-Nam Score	Percentages
Column Percentages	Goodness-of-Fit Tests	Phi
Conditional Exact Confidence Interval - Odds Ratio	Hierarchical Models	Proportion - One
Conditional Mantel-Haenszel Test Confidence Interval	Independence Tests	Proportion Trend Test
Confidence Interval for One Proportion	Inter-Rater Agreement (Kappa)	Proportions
Confidence Interval for Proportions	Kappa Reliability Test	Proportions - Two
Contingency Tables	Kappa Statistic	Proportions Tests
Contingency Tables (Crosstabs / Chi-Square Test)	Kappa Test for Inter-Rater Agreement	Ratio of Proportions
Continuity Correction	Katz Logarithm Confidence Interval	Relative Risk
Correlated Proportions	Kendall's Tau	Relative Risk Reduction
Correlation Statistics	Lambda	Reliability
Count Tables	Likelihood Ratio Test	Risk Ratio
Counts	LLM	Risk Reduction
Cramer's V	Loglinear Models	Robins Confidence Interval
Cross Tabulation	Mantel-Haenszel Confidence Intervals	Row Percentages
	Mantel-Haenszel Test	Row-Column Independence Test
	Marginal Association	Score
	McNemar Test	Score Tests
	Miettinen-Nurminen Score	Standardized Residuals
	Minimum Required Difference	Superiority Tests
	Multinomial Test	Symmetric Lambda
	Multiple Comparison Tests	Table Percentages

NCSS Procedure and Topic List (Categorized)

Table Statistics	Two Proportions - Non-Inferiority Tests	Wald Z Test
TOST	Two Proportions - Superiority Tests	Walters Confidence Interval
TOST Equivalence Test	Two Proportions - Two-Sided Tests vs. a Margin	Weighted Kappa
Tschuprow's T	Two-by-Two Tables	Weighted Kappa Reliability Test
Two Correlated Proportions	Two-sided Tests vs. a Margin	Weighted Kappa Statistic
Two Correlated Proportions - Equivalence Tests	Two-Way Tables	Weighted Kappa Test for Inter-Rater Agreement
Two Correlated Proportions - Non-Inferiority Tests	Unconditional Exact Farrington-Manning Score Test	Wilson Score
Two Correlated Proportions - Superiority Tests	Wald Confidence Interval	Wilson Score Confidence Interval
Two Correlated Proportions (McNemar Test)	Wald Test	Woolf's Confidence Interval
Two Proportions	Wald test of difference	Woolf's Confidence Limits
Two Proportions - Equivalence Tests	Wald Z Confidence interval	Woolf's Odds Ratio Analysis
	Wald Z Continuity Correction	Yates' Continuity Corrected Chi-Square Test
		Z-Tests

Quality Control

Acceptable Quality Level	Exponential Distribution	Operating Characteristic Curves for Acceptance Sampling for Attributes
Acceptance Number	Exponentially Weighted Moving Average Chart	Out-of-Control
Acceptance Sampling	Gauge Study	P Charts
Acceptance Sampling for Attributes	Histograms	Pareto Charts
Analysis of Runs	I-MR Charts	Plots
Anderson-Darling Normality Test	In-Control	Precision-to-Tolerance Ratio
AQL	Individuals and Moving Range Charts	Probability Plots
Attribute Charts	Individuals Charts	Process Capability Ratio
Autocorrelations	Inspection Plans	Process Variation
C Charts	k-Category Runs Test for Randomness	Producer's Risk
Capability Analysis	Kolmogorov-Smirnov Test	Product Inspection Plans
Capability Histograms	k-Period Lag	Quality Control
Chi-Square Normality Test	Kurtosis	Quality Control Charts
Computing Runs	Kurtosis Normality Test	R & R Study
Consumer's Risk	Lag	R Charts
Continuity Correction	Lag Plots	Randomness Tests
Control Charts	Levey-Jennings Charts	Range Charts
Control Limits	Limiting Quality Level	Rbar
Cp	Lot Proportion Defective	Repeatability
Cpk	Lot Tolerance Proportion Defective	Repeatability and Reproducibility Study
Cpkm	LQL	Reproducibility
Cpm	LTPD	Runs Analysis
Cumulative Chart	MA Charts	Runs Charts
Cumulative Pareto Chart	Measurement Error	Runs Test for Serial Randomness
Cumulative Sum Charts	Moving Average Charts	Runs Tests
CUSUM Charts	Moving Range Charts	s Charts
D'Agostino Kurtosis Normality Test	Nonconforming	Sampling Plans
D'Agostino Omnibus Normality Test	Nonparametric	Sbar
D'Agostino Skewness Normality Test	Nonparametric Tests	Scatter Plots
Defective	Normality Tests	Serial Randomness
Descriptive Statistics	NP Charts	Shapiro-Wilk Normality Test
EWMA Charts	Number of Runs	Shewhart
Exact Runs Test for Randomness	OC Curves	Sigma Limits
Exact Runs Test for Serial Randomness	Operating Characteristic Curves	

NCSS Procedure and Topic List (Categorized)

Signal-to-Noise Ratio	Skewness	Tolerance Limits
Single-Sample k-category Runs Test for Randomness	Skewness Normality Test	Tolerance R & R
Single-Sample Runs Test for Randomness	Standard Deviation Charts	U Charts
Single-Sample Runs Test for Serial Randomness	Test for Serial Randomness	Up-Down Runs Test
Single-Sample Runs Test for Serial Randomness	Tests for Randomness	Wald-Wolfowitz Runs Test
Single-Sample Runs Tests	Tests for Runs	Westgard Rules
Sinusoidal Pattern	Time Series	X-bar Charts
	Time Series Plots	Zones
	Tolerance Intervals	

Reference Intervals

Anderson-Darling Normality Test	Kurtosis Normality Test	Reference Intervals - Age-Specific
Bablok Regression	Median-Slope Regression	Reference Range
Bootstrap Confidence Interval	Model Fitting	Regression
Centiles	Nonlinear Regression	Residual Plots
CLSI	Normality Test	Robust Linear Regression (Passing-Bablok Median-Slope)
Curve Fitting	Normality Tests	Robust Reference Interval
D'Agostino Kurtosis Normality Test	Orthogonal Regression	Robust Regression
D'Agostino Omnibus Normality Test	Passing Bablok Regression	R-Squared
D'Agostino Skewness Normality Test	Passing Regression	Scatter Plots
Descriptive Statistics	Percentiles	Shapiro-Wilk Normality Test
EP28-A3c	Polynomial Regression	Skewness
Fetal Size	Predicted Values	Skewness Normality Test
Fractional Polynomials	Probability Plots	Sum of Functions Models
Function Plots	Rank Regression	Tolerance Intervals
Histograms	Ratio of Polynomials	Tolerance Limits
Kolmogorov-Smirnov Test	Reference Bounds	Transference
Kurtosis	Reference Intervals	

Regression

2SLS	Bablok Regression	Canonical Variates
Accelerated Testing	Backward Selection	Case-Control
Adjusted R-Squared	Backward-Step Regression	Censored Regression
AIC	Beta Trace	Censoring
Akaike Information Criterion	Beta Trace Plots	Change in Deviance Test
All Possible Regressions	Binary Response	Chi-Square
All Possible Subsets	Bleasdale-Nelder Model Fit	Chi-Square Test
Amplitude	Bootstrap Confidence Interval	Cochrane-Orcutt Procedure
Analysis of Covariance	Bootstrapping	Coefficient of Variation
Analysis of Deviance	Box-Cox Algorithm	Coefficients
Analysis of Variance	Box-Cox for Linear Regression	Conditional Logistic Regression
ANCOVA	Box-Cox for Regression	Confidence Band
Anderson-Darling Normality Test	Box-Cox Plots	Confidence Interval
Andrews' Sine	Box-Cox Power Transformation	Contour Plots
ANOVA	Box-Cox Transformation	Cook's D
Anscombe Residuals	Box-Cox Transformation for Simple Linear Regression	Cook's Distance
AOV	Breslow Ties	Correlation - Pearson
Autocorrelation Regression	Canonical Coefficients	Correlation - Spearman
Autocorrelations	Canonical Scores	Correlation Coefficient
Autoregressive Error Model	Canonical Scores Plots	Correlation Matrix
Average Absolute Percent Error		Cosines

NCSS Procedure and Topic List (Categorized)

Counts	Farazdaghi and Harris Model Fit	Linear Regression and Correlation
Counts Regression	Fisher's Z Transformation	Linear-Linear Model Fit
COV	Forecasting	Linear-Linear-Linear Model Fit
Covariance	Forward Selection	Linear-Logistic Model
Cox Proportional Hazards Regression	Forward-Step Regression	Linear-Quadratic Model Fit
Cox Regression	Fourier Series	Loess
Cox-Snell Residuals	Fractional Polynomial Regression	Logarithmic Model Fit
Cp	Fractional Polynomials	Logistic Error Regression
Cp Plots	Frequencies	Logistic Model Fit
Cubic Model Fit	F-Test	Logistic Regression
Cumulative Hazard	Function Plots	Logit
Cumulative Survival	G Statistic Test	Log-Logistic Error Regression
Curve Fitting	Geometric Regression	Log-Logistic Regression
Curve Fitting - General	Gompertz Model Fit	Log-Normal Distribution
Curve Fitting Plots	Goodness-of-Fit Tests	Log-Normal Error Regression
Curve Inequality Test	Harmonic Regression	Log-Normal Model Fit
Custom Model	Hat Diagonal	Log-Normal Regression
Cycle Regression	Hat Values	Lowess
Cycles	Hat vs. Row Plots	Mallow's Cp
Cyclical Regression	Hausmans Test	Mallow's Cp
D'Agostino Kurtosis Normality Test	Hazard Function	Martingale Residuals
D'Agostino Omnibus Normality Test	Hazard Function Plots	Mass Appraisal
D'Agostino Skewness Normality Test	Hazard Rate	Matched
Deming Regression	Heteroscedasticity	McHenry's Select Algorithm
Descriptive Statistics	Hierarchical Forward Selection	Measurement Error
Deviance Residuals	Hierarchical Models	Median-Slope Regression
Deviance Test	Hierarchical Regression	M-Estimators
DFBETA	Hierarchical Subset Search	Method Comparison
DFCHI2	Hill Model Fit	Michaelis-Menten Equation
DFDEV	Histograms	Michaelis-Menten Model Fit
DFFITS	Holliday Model Fit	Min MSE
Difference vs. Average Plots	Huber's Method	Min RMSE
Discriminant Analysis	Hyperbola	Minimum MSE
Dispersion Alpha	Incidence Plots	Minimum RMSE
Dispersion Phi	Incidence Rate	Model Fitting
Dose	Influence	Model Fitting for Appraisal
Dose-Response	Instrument Variables	Model Searching
Dose-Response Plots	Instrumental Variables	Monomolecular Model Fit
Durbin-Watson Test	Jackknife Standard Error Estimation	Morgan-Mercer-Floding Model Fit
Econometrics	K Analysis	Multicollinearity
Efron Ties	Kinetics	Multinomial Logistic Regression
Eigenvalues	Lack-of-Fit Test	Multiple Regression
Eigenvectors	Lambda	Multiple Regression - Basic
Endogeneity	Levenberg-Marquardt Nonlinear	Multiple Regression for Appraisal
Endogenous Variables	Least-Squares Algorithm	Multiple Regression with Serial
Enzyme Kinetics	Levene's Equal Variance Test	Correlation
Errors-in-Variables Regression	Likelihood Ratio Test	Multiple-Group Logistic Regression
Estimation of Property Values	Linear Discriminant Function	Multivariate Analysis
Exogenous Variables	Linear Discriminant Scores	Multivariate Polynomial Ratio Fit
Exponential Error Regression	Linear Discriminant Scores Plots	Multivariate Regression
Exponential Model Fit	Linear Model Fit	Multivariate Variable Selection
Exponential Regression	Linear Regression	Nash's MRT Algorithm
Extreme Value Error Regression	Linear Regression - Box-Cox	Negative Binomial Regression

NCSS Procedure and Topic List (Categorized)

Nominal Logistic Regression	Quadratic-Linear Model Fit	Serial Correlation Plots
Nondetects Analysis	Quadratic-Quadratic Model Fit	Shapiro-Wilk Normality Test
Nondetects Data Regression	Quantile Regression	Shinozaki and Kira Model Fit
Nonlinear Regression	Randomization Test	Simple Deming Regression
Nonparametric Tests	Rank Regression	Simple Linear Regression
Normal Error Regression	Ratio of Polynomials	Sines
Normal Model Fit	Ratio of Polynomials Fit	Sinusoidal Regressions
Normal Range	Ratio of Polynomials Fit - Many Variables	Slopes - Testing for Equal
Normal Regression	Ratio of Polynomials Fit - One Variable	Spearman Correlation
Normality Plots	Ratio of Polynomials Search	Spearman Rank Correlation
Normality Test	Ratio of Polynomials Search - Many Variables	Spectral Analysis
Normality Tests	Ratio of Polynomials Search - One Variable	Stage Regression
Orthogonal Regression	Reciprocal Model Fit	Standard Error
Outlier Detection	Reference Interval	Step-Down Selection
Outliers	Reference Range	Step-Up Selection
Overdispersion	Regression	Stepwise Regression
Paired t-test	Regression Coefficients	Stepwise Selection
Parametric Survival (Weibull) Regression	Regression for Appraisal	Stratified Logistic Regression
Parametric Survival Regression	Regression Scores Plots	Stress A
Partial Correlation	Relative Risk	Stress B
Partial Residual Plots	Residual Plots	Stress Plots
Passing Bablok Regression	Residuals	Studentized Deviance Residuals
Passing Regression	Response Surface	Studentized Pearson Residuals
Passing-Bablok Regression for Method Comparison	Response Surface Regression	Subset Selection
PC Regression	Richards Model Fit	Subset Selection in Multiple Regression
Pearson Correlation	Ridge Regression	Subset Selection in Multivariate Y Multiple Regression
Pearson Residuals	Ridge Trace	Sum of Exponentials Model Fit
Pearson Test	Ridge Trace Plots	Sum of Functions Models
Periodic Regression	Risk Ratio	Survival Analysis
Poisson Distribution	Robust	Survival Regression
Poisson Regression	Robust Linear Regression (Passing-Bablok Median-Slope)	Tests for Two-Factor Interactions
Poisson-Gamma Regression	Robust Regression	Time Series
Polynomial Ratio	Robust Residuals	Time Series Plots
Polynomial Ratio Model Fit	Robust Weight	Transference
Polynomial Regression	ROC Curves	Transformations
Power Model Fit	Root MSE	Transformations - Box-Cox
Power Transformation	Root MSE Plots	Transformations - Power
Predicted Values	R-Squared	Transformations to Normality
Prediction Limits	R-Squared Plots	TSLs
PRESS Statistics	RStudent Residuals	Tukey's Biweight
Principal Components	Scaled Schoenfeld's Residuals	Two-Stage Least Squares
Principal Components Regression	Scatter Plots	Variable Selection
Prob Correct vs. Cutoff Plots	Schoenfeld's Residuals	Variable Selection for Multivariate Regression
Probability Ellipse	Schoenfeld's Residuals Plots	Variable-Variate Correlations
Probability Plots	Scores Plots	Variance Inflation Factor
Probit Analysis	Sequence Plots	Variance Inflation Factor Plots
Probit Plots	Sequential Models	Variance Test
Property Valuation	Serial Correlation	VIF
Proportional Errors		VIF Plots
Proportional Hazards Regression		Wald Statistic
Quadratic Model Fit		

NCSS Procedure and Topic List (Categorized)

Wald Test	Weibull Regression	Yhat
Wave Regression	Weighted Deming Regression	Zero-Inflated Negative Binomial Regression
Weibull Error Regression	Wilks' Lambda	Zero-Inflated Poisson Regression
Weibull Fitting	Working-Hotelling C.I. Band	
Weibull Model Fit	Working-Hotelling Limits	

Reliability

2x2 Table	Exponential Fit	Log-Normal Error Regression
Accelerated Testing	Exponential Probability Plots	Log-Normal Fit
Analysis of Deviance	Exponential Regression	Log-Normal Probability Plots
Anderson-Darling Normality Test	Extreme Value Distribution	Log-Normal Regression
Arcsine Square Root Hazard	Extreme Value Error Regression	Logrank Test
Beta Distribution Fitting	Extreme Value Fit	Mantel-Haenszel Confidence Intervals
Beta Reliability Plots	Extreme Value Probability Plots	Mantel-Haenszel Logrank Test
Biweight Kernel	Failure Distribution	Mantel-Haenszel Test
Breslow Ties	Failure Probability	Martingale Residuals
Calculator - Survival Parameters	Fisher's Exact Test	Median Remaining Lifetime
Censored Regression	Fleming-Harrington Test	Median Survival Time Conversion
Censoring	Forward Selection	Mill's Ratio
Change in Deviance Test	Gamma Distribution Fitting	Model Fitting
Chi-Square Test	Gehan Test	Modified Peto-Peto Test
CIF	Gray's Test	Mortality Ratio Conversion
Competing Risks	Greenwood's Formula	MRT
Confidence Interval	Hazard Function	Nelson-Aalen Hazard
Cox Proportional Hazards Regression	Hazard Function Plots	Newton-Raphson
Cox Regression	Hazard Rate	Nonparametric
Cox-Mantel Logrank Test	Hazard Rate Conversion	Nonparametric Survival Estimation
Cox-Snell Residuals	Hazard Rate Plots	Normal Distribution
Cumulative Hazard	Hazard Ratio	Normal Error Regression
Cumulative Incidence	Hazard Ratio Conversion	Normal Fit
Cumulative Incidence Plots	Hierarchical Models	Normal Probability Plots
Cumulative Survival	Hierarchical Subset Search	Normal Regression
Cumulative Survival Plots	Histograms	Normality Tests
Custom Model	Kaplan-Meier	Odds Ratio
D'Agostino Kurtosis Normality Test	Kaplan-Meier Curves	Outliers
D'Agostino Omnibus Normality Test	Kaplan-Meier Curves (Logrank Tests)	Parametric Hazard Rate
D'Agostino Skewness Normality Test	Kolmogorov-Smirnov Test	Parametric Survival (Weibull) Regression
Death Density Function	Kurtosis	Parametric Survival Regression
Descriptive Statistics	Kurtosis Normality Test	Pepe and Mori's Test
Deviance Residuals	Life-Table Analysis	Peto-Peto Test
Deviance Test	Likelihood Ratio Test	Probability of Failure
Differential Evolution	Logistic Distribution	Probability Plots
Distribution (Weibull) Fitting	Logistic Error Regression	Probit Analysis
Distribution Fitting	Logistic Fit	Probit Plots
Dose	Logistic Probability Plots	Product-Limit Estimator
Dose-Response	Logistic Regression	Product-Limit Survivorship
Dose-Response Plots	Log-Logistic Distribution	Proportional Hazards Regression
Efron Ties	Log-Logistic Error Regression	Proportions
Epanechnikov Kernel	Log-Logistic Fit	Proportions Tests
Exact Test	Log-Logistic Probability Plots	Randomization Test
Exponential Distribution	Log-Logistic Regression	Regression
Exponential Error Regression	Log-Normal Distribution	

NCSS Procedure and Topic List (Categorized)

Regression Coefficients	Stress A	Tarone-Ware Test
Relative Risk	Stress B	Time Calculator
Reliability	Stress Plots	Tolerance Intervals
Residual Plots	Subdistribution Hazards	Tolerance Limits
Residuals	Subset Selection	Two-by-Two Tables
Risk Ratio	Survival Analysis	Uniform Kernel
Robins Confidence Interval	Survival Curves	Variable Selection
R-Squared	Survival Distribution Fitting	Wald Test
Scaled Schoenfeld's Residuals	Survival Function	Weibull Distribution
Scatter Plots	Survival Parameter Conversion Tool	Weibull Error Regression
Schoenfeld's Residuals	Survival Plots	Weibull Fit
Schoenfeld's Residuals Plots	Survival Quantiles	Weibull Probability Plots
Shapiro-Wilk Normality Test	Survival Regression	Weibull Regression
Skewness	Survivorship - Beta Plots	Wolf's Confidence Interval
Skewness Normality Test	Survivorship - Gamma Plots	Wolf's Confidence Limits
Stepwise Regression	Survivorship Plots	Wolf's Odds Ratio Analysis

ROC Curves

Area Under Curve	Confidence Intervals for Comparing Two AUCs	One ROC Curve and Cutoff Analysis
Area Under ROC Curve	Confidence Intervals for Comparing Two Paired AUCs	Optimal Criterion Value
Area Under ROC Curve Confidence Interval	Cost-Benefit Analysis	Paired ROC Curves
AUC	Diagnostic Odds Ratio	Positive Likelihood Ratio
AUC Confidence Interval	Empirical ROC Curve	Positive Predictive Value
AUC Hypothesis Test	Equivalence of Two AUCs	PPV
Binormal ROC Curve	Equivalence of Two Paired AUCs	Prevalence
Comparing Two AUCs	Negative Likelihood Ratio	Proportion Correctly Classified
Comparing Two Paired AUCs	Negative Predictive Value	Receiver Operating Characteristic Curve
Comparing Two ROC Curves - Independent Groups Design	Non-Inferiority of Two AUCs	Sensitivity
Comparing Two ROC Curves - Paired Design	Non-Inferiority of Two Paired AUCs	Specificity
	Nonparametric ROC Curves	Tests for Two AUCs
	NPV	Tests for Two Paired AUCs
		Youden Index

Survey Data

Adjusted Kappa Statistic	Coefficient of Dispersion	CV
Alpha - Cronbach's	Coefficient of Variation	Data Imputation
Armitage Rank Correlation Test	Column Percentages	Data Screening
Association - Partial and Marginal	Confidence Interval	Descriptive Statistics
Association and Correlation Statistics	Contingency Tables	Descriptive Statistics - Summary Lists
Bar Charts	Contingency Tables (Crosstabs / Chi-Square Test)	Descriptive Statistics - Summary Tables
Cell Counts	Continuity Correction	Descriptive Tables
Chi-Square	Correlation Statistics	Detecting Outliers
Chi-Square Test	Count Tables	Exact Test
Cochran-Armitage Proportion Trend Test	Counts	Expected Counts
Cochran-Armitage Proportion Trend Test with Continuity Correction	COV	Fisher's Exact Test
Cochran's Q Test	Cramer's V	Freeman-Tukey Standardized Residual
COD	Cronbach's Alpha	Frequency Tables
Coefficient Alpha	Cross Tabulation	FT-SR
	Crosstabs	Gamma

NCSS Procedure and Topic List (Categorized)

Goodness-of-Fit Tests	Minimum	Row-Column Independence Test
Hierarchical Models	Minimum Required Difference	Screening Data
Imputation	Missing Count	SD
Imputing Data	Missing Value Estimation	SE
Independence Tests	Multinomial Test	Skewness
Interquartile Range	Multiple Comparison Tests	Skewness Normality Test
Inter-Rater Agreement (Kappa)	Multivariate Analysis	Standard Deviation
IQR	Multivariate Normal Missing Value Estimation	Standard Error
Item Analysis	Multiway Frequency Analysis	Standardized Residuals
Kappa Reliability Test	Nonparametric	Summary Lists
Kappa Statistic	Nonparametric Tests	Summary Tables
Kappa Test for Inter-Rater Agreement	Normality Tests	Sums
Kendall's Tau	Omnibus Normality Test	Symmetric Lambda
Kurtosis	Outlier Detection	Table of Means
Kurtosis Normality Test	Outliers	Table Percentages
Lambda	Paired T-Test	Table Statistics
Likelihood Ratio Test	Partial Association	Tables - Descriptive
LLM	Pearson Chi-square	Tschuprow's T
Loglinear Models	Pearson's Chi-Square Test	Two-Way Tables
MAD	Pearson's Contingency Coefficient	Variance
MADM	Percentages	Variation
Marginal Association	Percentiles	Weighted Kappa
Maximum	Phi	Weighted Kappa Reliability Test
McNemar Test	Proportion Trend Test	Weighted Kappa Statistic
Mean Absolute Deviation	Proportions	Weighted Kappa Test for Inter-Rater Agreement
Mean Absolute Deviation from the Median	Range	Yates' Continuity Corrected Chi-Square Test
Means	Reliability	
Median	Row Percentages	

Survival Analysis

2x2 Table	Cumulative Hazard	Exact Test
Accelerated Testing	Cumulative Incidence	Exponential Distribution
Analysis of Deviance	Cumulative Incidence Plots	Exponential Error Regression
Anderson-Darling Normality Test	Cumulative Survival	Exponential Fit
Arcsine Square Root Hazard	Cumulative Survival Plots	Exponential Probability Plots
Beta Distribution Fitting	Custom Model	Exponential Regression
Beta Reliability Plots	D'Agostino Kurtosis Normality Test	Extreme Value Distribution
Biweight Kernel	D'Agostino Omnibus Normality Test	Extreme Value Error Regression
Breslow Ties	D'Agostino Skewness Normality Test	Extreme Value Fit
Calculator - Survival Parameters	Death Density Function	Extreme Value Probability Plots
Censored Regression	Descriptive Statistics	Failure Distribution
Censoring	Deviance Residuals	Failure Probability
Change in Deviance Test	Deviance Test	Fisher's Exact Test
Chi-Square Test	Differential Evolution	Fleming-Harrington Test
CIF	Distribution (Weibull) Fitting	Forward Selection
Competing Risks	Distribution Fitting	Gamma Distribution Fitting
Confidence Interval	Dose	Gehan Test
Cox Proportional Hazards Regression	Dose-Response	Gray's Test
Cox Regression	Dose-Response Plots	Greenwood's Formula
Cox-Mantel Logrank Test	Efron Ties	Hazard Function
Cox-Snell Residuals	Epanechnikov Kernel	Hazard Function Plots

NCSS Procedure and Topic List (Categorized)

Hazard Rate	Modified Peto-Peto Test	Scaled Schoenfeld's Residuals
Hazard Rate Conversion	Mortality Ratio Conversion	Scatter Plots
Hazard Rate Plots	MRT	Schoenfeld's Residuals
Hazard Ratio	Nelson-Aalen Hazard	Schoenfeld's Residuals Plots
Hazard Ratio Conversion	Newton-Raphson	Shapiro-Wilk Normality Test
Hierarchical Models	Nonparametric	Skewness
Hierarchical Subset Search	Nonparametric Survival Estimation	Skewness Normality Test
Histograms	Normal Distribution	Stepwise Regression
Kaplan-Meier	Normal Error Regression	Stress A
Kaplan-Meier Curves	Normal Fit	Stress B
Kaplan-Meier Curves (Logrank Tests)	Normal Probability Plots	Stress Plots
Kolmogorov-Smirnov Test	Normal Regression	Subdistribution Hazards
Kurtosis	Normality Tests	Subset Selection
Kurtosis Normality Test	Odds Ratio	Survival Analysis
Life-Table Analysis	Outliers	Survival Curves
Likelihood Ratio Test	Parametric Hazard Rate	Survival Distribution Fitting
Logistic Distribution	Parametric Survival (Weibull) Regression	Survival Function
Logistic Error Regression	Parametric Survival Regression	Survival Parameter Conversion Tool
Logistic Fit	Pepe and Mori's Test	Survival Plots
Logistic Probability Plots	Peto-Peto Test	Survival Quantiles
Logistic Regression	Probability of Failure	Survival Regression
Log-Logistic Distribution	Probability Plots	Survivorship - Beta Plots
Log-Logistic Error Regression	Probit Analysis	Survivorship - Gamma Plots
Log-Logistic Fit	Probit Plots	Survivorship Plots
Log-Logistic Probability Plots	Product-Limit Estimator	Tarone-Ware Test
Log-Logistic Regression	Product-Limit Survivorship	Time Calculator
Log-Normal Distribution	Proportional Hazards Regression	Tolerance Intervals
Log-Normal Error Regression	Proportions	Tolerance Limits
Log-Normal Fit	Proportions Tests	Two-by-Two Tables
Log-Normal Probability Plots	Randomization Test	Uniform Kernel
Log-Normal Regression	Regression	Variable Selection
Logrank Test	Regression Coefficients	Wald Test
Mantel-Haenszel Confidence Intervals	Relative Risk	Weibull Distribution
Mantel-Haenszel Logrank Test	Reliability	Weibull Error Regression
Mantel-Haenszel Test	Residual Plots	Weibull Fit
Martingale Residuals	Residuals	Weibull Probability Plots
Median Remaining Lifetime	Risk Ratio	Weibull Regression
Median Survival Time Conversion	Robins Confidence Interval	Woolf's Confidence Interval
Mill's Ratio	R-Squared	Woolf's Confidence Limits
Model Fitting		Woolf's Odds Ratio Analysis

Time Series

Amplitude	Box-Pierce-Ljung Statistic	Cycle-Input
Analysis of Runs	Computing Runs	Cycles
ARIMA	Continuity Correction	Cyclical Regression
ARIMA (Box-Jenkins)	Correlation Coefficient	Data Plots
ARMA	Correlogram	Decomposition Forecasting
Autocorrelation Plots	Cosines	Decomposition Ratio Plots
Autocorrelations	Cross-Correlations	Differencing
Automatic ARMA	Cross-Correlations Plots	Double Exponential Smoothing
Backcasting	Cycle	Exact Runs Test for Randomness
Box-Jenkins	Cycle Regression	

NCSS Procedure and Topic List (Categorized)

Exact Runs Test for Serial Randomness	Nonparametric	Sines
Exponential Smoothing	Nonparametric Tests	Single-Sample k-category Runs Test for Randomness
Exponential Smoothing - Horizontal	Number of Runs	Single-Sample Runs Test for Randomness
Exponential Smoothing - Trend	Partial Autocorrelation	Single-Sample Runs Test for Serial Randomness
Exponential Smoothing - Trend / Seasonal	Partial Autocorrelation Plots	Single-Sample Runs Tests
Fast Fourier Transform	Periodic Regression	Sinusoidal Regressions
Forecast Plots	Periodogram Plots	Spectral Analysis
Forecasting	Portmanteau Test	Spectrum Plots
Fourier Plots	Predicted Values	Test for Serial Randomness
Fourier Series	Prediction Limits	Tests for Randomness
Frequencies	Probability Plots	Tests for Runs
Function Plots	Randomness Tests	Theoretical ARMA
Harmonic Regression	Ratio Plots	Time Series
Holt's Linear Trend	Regression	Time Series Plots
Holt-Winters Exponential Smoothing	Residual Plots	Up-Down Runs Test
Holt-Winters Forecasting	Runs Analysis	Wald-Wolfowitz Runs Test
k-Category Runs Test for Randomness	Runs Charts	Wave Regression
Ljung Statistic	Runs Test for Serial Randomness	Winters Forecasting
MAE	Runs Tests	Yule-Walker
MAPE	Scatter Plots	
Multiple Regression	Seasonal Differencing	
	Seasonality	
	Serial Randomness	

T-Tests

2x2 Cross-Over Design	Box-Cox Power Transformation	Descriptive Statistics
Agreement	Box-Cox Transformation	Difference in Means
Alias	Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)	Difference in Medians
Analysis of Two-Level Designs	Box's M Test	Eigenvalues
Analysis of Variance	Compare Means	Equal Variance Tests
Anderson and Hauck's Test	Compare Two Distributions	Equal-Variance Test
ANOVA	Comparing Paired Difference Means	Equivalence Tests
AOV	Comparing Two Means	Equivalence Tests using TOST
Aspin-Welch Unequal-Variance T-Test	Confidence Interval	F-Test
Average-Difference Plots	Confidence Interval for Means	Histograms
Bartlett's Test	Confidence Interval for Medians	Hotelling's One-Sample T2
Bioequivalence	Confidence Interval for Medians	Hotelling's Paired-Sample T2
Bioequivalence Tests	Confidence Interval for One Mean	Hotelling's Two-Sample T2
Bland-Altman	Confidence Interval for Paired Means	Kolmogorov-Smirnov Test
Bland-Altman Plot and Analysis	Confidence Interval for SD	Kurtosis Normality Test
Bland-Altman Plots	Confidence Interval for SD Ratio	Lambda
Bonferroni C.I.'s	Confidence Interval for Standard Deviation	Lambda vs. SD Plots
Bootstrap Confidence Interval	Confounding	Levene's Equal Variance Test
Bootstrapping	Correlated T-Test	Limits of Agreement
Box Plots	Correlation Coefficient	LoA
Box-and-Whisker Plots	Cross-Over Analysis	Mann-Whitney Test
Box-Cox Algorithm	Cross-Over Analysis Using T-Tests	Mean Comparison
Box-Cox for ANOVA	Cross-Over Design Analysis	Mean Difference
Box-Cox for One-Way ANOVA	Cross-Over Means	Mean Equality
Box-Cox for T-Test	Cross-Over Two Means	Mean Input
Box-Cox Plots		Means
		Means Plots

NCSS Procedure and Topic List (Categorized)

Measurement Error	Repeated Measures	T-Test
Median Confidence Interval	Repeated Measures Analysis of Variance	T-Tests
Median Test	Resampling Test	T-Tests - Aspin-Welch
Method Comparison	Scatter Plots	T-Tests - Equivalence
Model Fitting	Schuirmann's Two One-Sided Tests	T-Tests - Non-Inferiority
Modified Levene's Test	SD Ratio	T-Tests - Paired
Multivariate Analysis	Shapiro-Wilk Normality Test	Two Means
Multivariate T-Test	Sign Test	Two Means - Confidence Interval
Non-Inferiority Tests	Signed-Rank Test	Two Means Cross-Over
Nonparametric	Simultaneous C.I.'s	Two-Level Design Analysis
Nonparametric Tests	Skewness	Two-Sample T-Test
Normality Tests	Skewness Normality Test	Two-Sample T-Test - Equivalence
Omnibus Normality Test	Standard Deviation	Two-Sample T-Test - Non-Inferiority
One-Sample T-Test	Standard Deviation Confidence Interval	Two-Sample T-Test from Means and SD's
One-Way Analysis of Variance	Standard Deviation Ratio	Two-Treatment Cross-Over Analysis
One-Way ANOVA	Standard Error	Unequal-Variance T-Tests
Outliers	Sum-Difference Plots	Variance Equality Tests
Paired Difference	Summary Statistics Input	Variance Ratio Equal-Variance Test
Paired Means	T2	Variance Ratio Test
Paired T-Test	Testing Equivalence with Two Independent Samples	Variance Test
Paired T-Test for Equivalence	Testing Non-Inferiority with Two Independent Samples	Westlake's Confidence Interval
Paired T-Test for Non-Inferiority	TOST	Wilcoxon Rank-Sum Test
Period Plots	TOST Equivalence Test	Wilcoxon Signed-Rank Test
Power Transformation	Transformations	Wilcoxon Test
Probability Plots	Transformations - Box-Cox	Wilcoxon-Mann-Whitney Test
Profile Plots	Transformations - Power	Wilcoxon-Mann-Whitney Two One-Sided Tests
Quantile Test	Transformations to Normality	Z-Tests
Randomization Test		
Rank-Sum Test		
Ratio of Standard Deviations		
Reliability		

Two-Way Tables

2x2 Table	Correlation Statistics	Kappa Statistic
Adjusted Kappa Statistic	Count Tables	Kappa Test for Inter-Rater Agreement
Armitage Rank Correlation Test	Counts	Kendall's Tau
Association - Partial and Marginal	Cramer's V	Lambda
Association and Correlation Statistics	Cross Tabulation	Likelihood Ratio Test
Bar Charts	Crosstabs	LLM
Cell Counts	Descriptive Statistics	Loglinear Models
Chi-Square	Exact Test	Mantel-Haenszel Confidence Intervals
Chi-Square Test	Expected Counts	Mantel-Haenszel Test
Cochran-Armitage Proportion Trend Test	Fisher's Exact Test	Marginal Association
Cochran-Armitage Proportion Trend Test with Continuity Correction	Freeman-Tukey Standardized Residual	McNemar Test
Cochran's Q Test	Frequency Tables	Minimum Required Difference
Column Percentages	FT-SR	Multinomial Test
Contingency Tables	Gamma	Multiple Comparison Tests
Contingency Tables (Crosstabs / Chi-Square Test)	Goodness-of-Fit Tests	Multiway Frequency Analysis
Continuity Correction	Hierarchical Models	Nonparametric
	Independence Tests	Nonparametric Tests
	Inter-Rater Agreement (Kappa)	Odds Ratio
	Kappa Reliability Test	Paired T-Test

NCSS Procedure and Topic List (Categorized)

Partial Association	Robins Confidence Interval	Weighted Kappa
Pearson Chi-square	Row Percentages	Weighted Kappa Reliability Test
Pearson's Chi-Square Test	Row-Column Independence Test	Weighted Kappa Statistic
Pearson's Contingency Coefficient	Standardized Residuals	Weighted Kappa Test for Inter-Rater Agreement
Percentages	Symmetric Lambda	Wolf's Confidence Interval
Phi	Table Percentages	Wolf's Confidence Limits
Proportion Trend Test	Table Statistics	Wolf's Odds Ratio Analysis
Proportions	Tschuprow's T	Yates' Continuity Corrected Chi-Square Test
Proportions Tests	Two-by-Two Tables	
Reliability	Two-Way Tables	

Graphics

3D Bar Charts	Confidence Band	Forest Plots
3D Bar Charts (2 Factors)	Contour Plots	Formula Plots
3D Line Charts	Control Charts	Fourier Plots
3D Line Charts (2 Factors)	Control Limits	Frequency Distribution Plots
3D Plots	Correlogram	Function Plots
3D Scatter Plots	Cross-Correlations Plots	Gamma Plots
3D Surface Plots	Cumulative Chart	Gamma Probability Plots
Area Under Curve	Cumulative Hazard	Half-Normal Plots
Area Under ROC Curve	Cumulative Pareto Chart	Half-Normal Probability Plots
Area Under ROC Curve Confidence Interval	Cumulative Sum Charts	Hazard Function Plots
Attribute Charts	Curve Fitting	Hazard Rate Plots
Autocorrelation Plots	Curve Fitting - General	Heat Map
Average-Difference Plots	Curve Fitting Plots	Hierarchical Clustering / Dendrograms
Back-to-Back Stem-and-Leaf Plots	Curve Fitting Scatter Plot Matrix	Histograms
Bar Charts	Curve Inequality Test	Histograms - Border
Bar Charts - 3D	CUSUM Charts	Histograms - Comparative
Bar Charts (2 Factors)	Data Plots	Histograms - Comparative (2 Factors)
Binormal ROC Curve	Decomposition Ratio Plots	Histograms - Smoothed
Bland-Altman Plot and Analysis	Dendrograms	I-MR Charts
Bland-Altman Plots	Density Plots	Individuals and Moving Range Charts
Border Plots	Density Plots (2 Factors)	Individuals Charts
Box Plots	Density Plots using Sunflowers	Kaplan-Meier Curves (Logrank Tests)
Box Plots (2 Factors)	Density Trace	L'Abbe Plots
Box-and-Whisker Plots	Distribution Plots	Lag Plots
C Charts	Dot Plots	Levey-Jennings Charts
Capability Histograms	Dot Plots - Border	Line Charts
Chi-Square Plots	Dot Plots (2 Factors)	Line Charts - 3D
Chi-Square Probability Plots	Empirical ROC Curve	Line Charts (2 Factors)
Circular Data Plots	Equation Plots	Linear Regression Plots
Circular Histograms	Error-Bar Charts	Loess
Combo Charts	Error-Bar Charts (2 Factors)	Log-Normal Plots
Combo Charts (2 Factors)	Error-Bar Charts from Summary Data	Log-Normal Probability Plots
Comparative Histograms	Error-Bar Charts from Summary Data (2 Factors)	Lowess
Compare Probability Plots	Error-Bar Plots	MA Charts
Comparing Two ROC Curves - Independent Groups Design	EWMA Charts	Matrix of Scatter Plots
Comparing Two ROC Curves - Paired Design	Exponential Probability Plots	Mosaic Plots
Conditional Probability Plots	Exponentially Weighted Moving Average Chart	Moving Average Charts
	Forecast Plots	Moving Range Charts
		Nonparametric ROC Curves
		Normal Probability Plots

NCSS Procedure and Topic List (Categorized)

Normality Plots	Ratio Plots	Stem-Leaf Plots
NP Charts	Receiver Operating Characteristic Curve	Sunflower Plots
One ROC Curve and Cutoff Analysis	Regression Plots	Surface Plots
Outliers	Residual Plots	Surface Plots - 3D
P Charts	Rose Plots	Survival Curves
Paired ROC Curves	Runs Charts	Survival Plots
Pareto Charts	s Charts	Three-Dimensional Data Plots
Partial Autocorrelation Plots	Scatter Diagram	Time Series Plots
Partial Residual Plots	Scatter Plot Matrix	Topographical Map
Percentile Plots	Scatter Plot Matrix for Curve Fitting	Treemap Plots
Percentile Plots (2 Factors)	Scatter Plots	Trend Plots
Periodogram Plots	Scatter Plots with Error Bars	U Charts
Pie Charts	Scatter Plots with Error Bars from Summary Data	Uniform Probability Plots
Plots	Sequence Plots	Violin Plots
Point Plots	Serial Correlation Plots	Weibull Probability Plots
Probability Ellipse	Smoothed Histograms	Wireframe Plots
Probability Plot Comparison	Spectrum Plots	X-bar and R Charts
Probability Plots	Spine Plots	X-bar and s Charts
Proportions Plot	Spline	Xbar Charts
Quality Control Charts	Standard Deviation Charts	X-bar Charts
R Charts	Stem-and-Leaf Plots	X-Y Plots
Radial Plots		X-Y-Z Plots
Range Charts		Y vs X Plots

Data

Bar Charts	Data Import from All Major Statistical Data File Formats	Gumbel Distribution
Beta Distribution	Data Imputation	Histograms
Bimodal Data	Data List	Imputation
Binomial Distribution	Data Matching	Imputing Data
Box-Cox Algorithm	Data Matching - Greedy	Interquartile Range
Box-Cox for Linear Regression	Data Matching - Optimal	IQR
Box-Cox for Regression	Data Merge	Kaplan-Meier
Box-Cox Plots	Data Report	Kurtosis
Box-Cox Power Transformation	Data Screening	Kurtosis Normality Test
Box-Cox Transformation	Data Simulation	Lambda
Box-Cox Transformation for Simple Linear Regression	Data Stratification	Lambda vs. SD Plots
Caliper Matching	Database Merge	Laplace Distribution
Cauchy Distribution	Dataset Merge	Levene's Equal Variance Test
COD	Descriptive Statistics	Likert-Scale Data
Coefficient of Dispersion	Descriptive Statistics - Summary Lists	Linear Regression - Box-Cox
Coefficient of Variation	Descriptive Tables	List Data
Combining Distributions	Detecting Outliers	Logistic Distribution
Confidence Interval	Distance	Lognormal Distribution
Constant Distribution	Distribution Simulation	MAD
Contaminated Normal Distribution	Exponential Distribution	MADM
Counts	F Distribution	Mahalanobis Distance
COV	Forced Match	Matching
CV	Gamma Distribution	Maximum
Data Export to All Major Statistical Data File Formats	Generating Data	Mean Absolute Deviation
	Greedy Data Matching	Mean Absolute Deviation from the Median
	Greedy Matching	Means

NCSS Procedure and Topic List (Categorized)

Median	Printing Data	Standard Error
Merging Two Datasets	Probability Distribution Simulation	Strata
Minimum	Probability Plots	Stratification of Data
Missing Count	Propensity Score	Stratum
Missing Value Estimation	Propensity Score Matching	Student's T Distribution
Mixing Distributions	Quantiles	Summary Lists
Model Fitting	Random Numbers	Summary Tables
Monte-Carlo Simulation	Range	Sums
Multinomial Distribution	Regression	Survival Analysis
Multivariate Normal Missing Value Estimation	R-Squared	T Distribution
Normal Distribution	Screening Data	Table of Means
Normality Plots	SD	Tables - Descriptive
Normality Tests	SE	Time Calculator
Observational Study Matching	Shapiro-Wilk Normality Test	Transformations
Observational Study Stratification	Show Data	Transformations - Box-Cox
Omnibus Normality Test	Simple Linear Regression	Transformations - Power
One-Way Analysis of Variance	Simulate Data	Transformations to Normality
Optimal Data Matching	Simulate Distribution	Tukey's Lambda Distribution
Optimal Matching	Simulation	Uniform Distribution
Outlier Detection	Simulator	Variable Matching
Outliers	Skewed Distribution	Variance
Percentiles	Skewness	Variance Equality Tests
Poisson Distribution	Skewness Normality Test	Variation
Power Transformation	Snedecor's F Distribution	Weibull Distribution
	Standard Deviation	

Tools

Batch Execution	Distribution	Odds Ratio
Beta Distribution	Effect Size Calculator	Odds Ratio and Proportions Calculator
Beta Probability Calculator	Exponential Distribution	Percentiles
Binomial Distribution	F Distribution	Poisson Distribution
Binomial Probability Calculator	F Probability Calculator	Poisson Probability Calculator
Bivariate Normal Distribution	Gamma Distribution	Population Standard Deviation
Bivariate Normal Probability Calculator	Gamma Probability Calculator	Probability Calculator
Calculator - Chi-Square	Hazard Rate	Probability Calculator Distribution
Calculator - Odds Ratio and Proportions	Hazard Rate Conversion	Programming
Calculator - Probability	Hazard Ratio	Proportions
Calculator - Standard Deviation	Hazard Ratio Conversion	Proportions Calculator
Calculator - Survival Parameters	Hotelling's T2 Distribution	Range
Chi-Square Distribution	Hotelling's T2 Probability Calculator	S Distribution
Chi-Square Effect Size Calculator	Hypergeometric Distribution	S Probability Calculator
Chi-Square Probability Calculator	Hypergeometric Probability Calculator	Sample Standard Deviation
Coefficient of Variation	Macro Command Center	Scripting Language
Contingency Table Calculator	Macros	Scripts
Contingency Tables	Median Survival Time Conversion	Standard Deviation
Correlation Coefficient Distribution	Mortality Ratio Conversion	Standard Deviation Calculator
Correlation Distribution	Multinomial Test	Standard Deviation Confidence Limits
Correlation Probability Calculator	Negative Binomial Distribution	Standard Deviation Conversion
COV	Negative Binomial Probability Calculator	Standard Error
Cumulative Distribution	Normal Distribution	Studentized Range Distribution
	Normal Probability Calculator	Studentized Range Probability Calculator

NCSS Procedure and Topic List (Categorized)

Student's T Distribution
Student's T Probability Calculator

Survival Parameter Conversion Tool
Weibull Distribution

Weibull Probability Calculator