

NCSS Procedure and Topic List (Categorized)

Analysis of Variance (ANOVA)

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

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Nonparametric Multiple Comparison Test	Random Factor	Tests for Two-Factor Interactions
Nonparametric Tests	Randomized Block Design Analysis	Transformations
Normal Scores Test	Ranks	Transformations - Box-Cox
Normality Tests	Regression	Transformations - Power
One-Way Analysis of Covariance (ANCOVA)	Repeated Measures	Transformations to Normality
One-Way Analysis of Variance	Repeated Measures Analysis of Variance	T-Test
One-Way ANOVA	Residual Plots	Tukey-Kramer Simultaneous Confidence Intervals
Orthogonal Contrasts	Residuals	Tukey-Kramer Test
Orthogonal Polynomial Contrasts	Roy's Largest Root	Tukey's HSD
Outliers	R-Squared	Two-Level Design Analysis
Paired Comparisons	Scatter Plots	Two-Sample T-Test
Partial Residual Plots	Scheffe's Test	Unequal Variances Tests
Peto-Peto Test	Shapiro-Wilk Normality Test	Unweighted Means F-Test
Pillai's Trace	Sidak Test	UWM F-Test
Planned Comparisons	Simultaneous Confidence Intervals	Van der Waerden Test
Plots	Skewness Normality Test	Variance Equality Tests
Power Transformation	Slopes - Testing for Equal	Welch's Test with Unequal Variances
Predicted Values	Split-Plot Design Analysis	Wilks' Lambda
Prediction Limits	Subject Plots	Within Factors
Probability Plots	Tarone-Ware Test	Yhat
	Terry-Hoeffding Test	

Appraisal

Additive Model	Coefficient of Variation	Descriptive Tables
Adjusted R-Squared	Coefficients	DFBETA
Adjustment	Comparability	DFFITs
Analysis of Covariance	Comparable Property	Differential Evolution
Analysis of Variance	Comparables	Dispersion
ANCOVA	Comparables Appraisal	Distance Metric
Anderson-Darling Normality Test	Confidence Band	Distribution Statistics
ANOVA	Confidence Interval	Durbin-Watson Test
AOV	Cook's D	EDF
Appraisal	Cook's Distance	Eigenvalues
Appraisal Models	Correlation - Pearson	Eigenvectors
Appraisal Ratio Studies	Correlation - Spearman	Estimation of Property Values
Assessment Models	Correlation Coefficient	Euclidean Distance
Autocorrelation Regression	Correlation Matrix	Feedback Model
Autocorrelations	Counts	Fisher's g1
Autoregressive Error Model	COV	Fisher's g2
Average Absolute Percent Error	Covariance	Fisher's Z Transformation
Bar Charts	Cp	Forecasting
Bootstrap Confidence Interval	Curve Fitting	Forward Selection
Bootstrapping	Custom Model	F-Test
Candidate Properties	CV	Geometric Mean
Central Moments	D'Agostino Kurtosis Normality Test	Harmonic Mean
COC	D'Agostino Omnibus Normality Test	Hat Diagonal
Cochrane-Orcutt Procedure	D'Agostino Skewness Normality Test	Hat Values
COD	Descriptive Statistics	Heteroscedasticity
Coefficient of Concentration	Descriptive Statistics - Summary Lists	Histograms
Coefficient of Dispersion	Descriptive Statistics - Summary Tables	Horizontal Equity
Coefficient of Price-Related Bias		Hybrid Appraisal Models

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Influence	Multiple Regression for Appraisal	Screening Data
Interquartile Range	Multiple Regression with Serial	SD
IQR	Correlation	SE
Kolmogorov-Smirnov Test	Multiplicative Model	Sequence Plots
Kurtosis	Nash's MRT Algorithm	Sequential Models
Kurtosis Normality Test	Nonlinear Regression	Serial Correlation
Lack-of-Fit Test	Nonparametric Tests	Serial Correlation Plots
Levenberg-Marquardt Nonlinear	Normal Distribution	Shapiro-Wilk Normality Test
Least-Squares Algorithm	Normal Probability	Similarity of Properties
Levene's Equal Variance Test	Normal Probability Plots	Simple Linear Regression
Lilliefors' Critical Values	Normality Tests	Single Property Appraisal
Linear Regression	Orthogonal Regression	Skewness
Linear Regression and Correlation	Outlier Detection	Skewness Normality Test
Loess	Outliers	Slopes - Testing for Equal
Lowess	Partial Correlation	Spearman Correlation
MAD	Partial Residual Plots	Spearman Rank Correlation
MADM	Pearson Correlation	Standard Deviation
Mallow's Cp	Percentiles	Standard Error
MAPDMMADM	PRB	Stem-and-Leaf Plots
Market Value	PRD	Stem-Leaf Plots
Martinez-Iglewicz Normality Test	Predicted Values	Subject Property
Mass Appraisal	Prediction Limits	Summary Lists
Maximum	PRESS Statistics	Summary Tables
Mean Absolute Deviation	Price-Related Bias	Sums
Mean Absolute Deviation from the	Price-Related Differential	Table of Means
Median	Probability Ellipse	Tables - Descriptive
Means	Probability Plots	Tests for Two-Factor Interactions
Median	Property Valuation	Time Series Plots
Median Absolute Deviation from the	Quartiles	Trimmed Mean
Median	Randomization Test	Trimmed Standard Deviation
Median Absolute Percent Deviation	Range	Variance
from the Median	Ratio study	Variance Inflation Factor
M-Estimators	Regression	Variance Test
Minimum	Regression for Appraisal	Variation
Minkowski Distance	Residual Plots	Vertical Equity
Missing Count	Residuals	VIF
Mode	R-Squared	Weighted Coefficient of Dispersion
Model Fitting	RStudent Residuals	Weighted Coefficient of Variation
Model Fitting for Appraisal	Sale Date Adjustment	Working-Hotelling C.I. Band
Moment	Sale Price Adjustment	Working-Hotelling Limits
Multicollinearity	Sales Comparison Approach	Yhat
Multiple Regression	Sales Ratio Study	
Multiple Regression - Basic	Scatter Plots	

Cluster Analysis

Agglomerative Hierarchical Clustering	Clustered Heat Maps (Double	Dissimilarity
Bivariate Plots	Dendrograms)	Distance
Centroid Linkage	Clustering	Double Dendrograms
Cluster Analysis	Complete Linkage	Dunn's Partition Coefficient
Cluster Means	Cophenetic Correlation	Euclidean Distance
Cluster Medoid	Correlation Coefficient	Flexible Strategy Linkage
Cluster Standard Deviations	Dendrograms	Fuzzy Clustering

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Goodness-of-Fit Tests	Manhattan Distance	Partition Around Medoids
Group Average Linkage	Median	Regression Clustering
Heat Maps	Median Linkage	Regression Exchange Algorithm
Heatmaps	Medoid Clustering	Silhouettes
Hierarchical Clustering	Medoid Partitioning	Simple Average Linkage
Hierarchical Clustering / Dendrograms	Membership Matrix	Single Linkage
Kaufman-Rousseeuw Algorithm	Model Fitting	Spath Algorithm
K-Means Clustering	Multiple Regression	Ward's Minimum Variance Linkage
Linkage	Nearest Neighbor Linkage	

Correlation

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

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Product-Moment Correlation	Scores Plots	Transformations to Normality
Randomization Test	Serial Correlation	Uniformity Test
Rater Reliability	Serial Correlation Plots	Variable-Variate Correlations
Rayleigh Test	Shapiro-Wilk Normality Test	Variance Test
Regression	Simple Correlation Coefficient	Von Mises Distribution
Reliability	Simple Linear Correlation	Watson and Williams Test
Reproducibility	Simple Linear Regression	Watson Test
Residual Plots	Spearman Correlation	Watson-Williams F-Test
Residuals	Spearman Rank Correlation	Wilks' Lambda
Rose Plots	Standard Error	Working-Hotelling C.I. Band
R-Squared	Standardized Canonical Coefficients	Working-Hotelling Limits
RStudent Residuals	Transformations	Yhat
Sample Correlation Coefficient	Transformations - Box-Cox	
Scatter Plots	Transformations - Power	

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	Counts	Kappa Statistic
Anderson-Darling Normality Test	COV	Kappa Test for Inter-Rater Agreement
Angular Data Analysis	Cox Test	Kendall's Tau
Area Under Curve	Cramer's V	Kolmogorov-Smirnov Normality Test
Armitage Rank Correlation Test	Cross Tabulation	Kolmogorov-Smirnov Test
Association and Correlation Statistics	Crosstabs	Kuiper's Test
AUC	CV	Kurtosis
Bar Charts	D'Agostino Kurtosis Normality Test	Kurtosis Normality Test
Beta Distribution	D'Agostino Omnibus Normality Test	Lambda
Bimodal Data	D'Agostino Skewness Normality Test	Lambda vs. SD Plots
Binomial Distribution	Data Imputation	Laplace Distribution
Block Outlier Tests	Data Plots	Likelihood Ratio Test
Box-Cox Algorithm	Data Screening	Likert-Scale Data
Box-Cox Plots	Data Simulation	Lilliefors' Critical Values
Box-Cox Power Transformation	Descriptive Statistics	Logistic Distribution
Box-Cox Transformation	Descriptive Statistics - Summary Lists	Lognormal Distribution
Cauchy Distribution	Descriptive Statistics - Summary Tables	MAD
Cell Counts	Descriptive Tables	MADM
Central Moments	Detecting Outliers	Mardia-Watson-Wheeler Uniform- Scores Test
Chi-Square	Dispersion	Martinez-Iglewicz Normality Test
Chi-Square Test	Distribution Simulation	Maximum
Circular Correlation	Distribution Statistics	McNemar Test
Circular Data Analysis	EDF	Mean Absolute Deviation
Circular Data Plots	ESD Outliers	Mean Absolute Deviation from the Median
Circular Dispersion	Exact Test	Mean Direction
Circular Histograms	Expected Counts	Means
Circular Statistics	Exponential Distribution	Median
Circular Uniform Distribution	Extreme Studentized Deviate	Minimum
Circular Variance	Extreme Values	Missing Count
Cluster Means	F Distribution	Missing Value Estimation
Cluster Randomization	Fisher's Exact Test	Mixing Distributions
Cluster Randomization - Create Cluster Means Dataset	Fisher's g1	Mode
Cochran-Armitage Proportion Trend Test	Fisher's g2	Modified Kuiper's Test
Cochran-Armitage Proportion Trend Test with Continuity Correction	Frequency Tables	Moment
COD	Gamma	Monte-Carlo Simulation
Coefficient of Dispersion	Gamma Distribution	Multi-Group Concentration Homogeneity Test
Coefficient of Variation	Generating Data	Multinomial Distribution
Column Percentages	Geometric Mean	Multinomial Test
Combining Distributions	Grubbs' Outlier Test	Multivariate Normal Missing Value Estimation
Confidence Interval	Grubbs' Test	Normal Distribution
Constant Distribution	Gumbel Distribution	Normal Probability
Contaminated Normal Distribution	Harmonic Mean	Normal Probability Plots
Contingency Tables	Histograms	Normality Tests
Contingency Tables (Crosstabs / Chi- Square Test)	Imputation	Omnibus Normality Test
Continuity Correction	Imputing Data	Outlier Detection
Correlation Statistics	Independence Tests	Outlier Test
Count Tables	Interquartile Range	Outliers
	Inter-Rater Agreement (Kappa)	
	IQR	
	Kappa Reliability Test	

NCSS Procedure and Topic List (Categorized)

Paired T-Test	Simulate Distribution	Transformations - Box-Cox
Pearson's Chi-Square Test	Simulation	Transformations - Power
Pearson's Contingency Coefficient	Simulator	Transformations to Normality
Percentages	Skewed Distribution	Trimmed Mean
Percentiles	Skewness	Trimmed Standard Deviation
Phi	Skewness Normality Test	Tschuprow's T
Plots	Snedecor's F Distribution	Tukey's Lambda Distribution
Poisson Distribution	Standard Deviation	Two-Way Tables
Power Transformation	Standard Error	Uniform Distribution
Probability Distribution Simulation	Standardized Residuals	Uniformity Test
Probability Plots	Stem-and-Leaf Plots	Variance
Proportion Trend Test	Stem-Leaf Plots	Variation
Proportions	Stephens Test	Von Mises Distribution
Quartiles	Student's T Distribution	Watson and Williams Test
Random Numbers	Summarize Clusters	Watson Test
Range	Summary Lists	Watson-Williams F-Test
Rayleigh Test	Summary Tables	Watson-Williams High Concentration F-Test
Reliability	Sums	Weibull Distribution
Rose Plots	Symmetric Lambda	Weighted Kappa
Rosner's Outlier Test	T Distribution	Weighted Kappa Reliability Test
Row Percentages	Table of Means	Weighted Kappa Statistic
Row-Column Independence Test	Table Percentages	Weighted Kappa Test for Inter-Rater Agreement
Score Test	Table Statistics	Yates' Continuity Corrected Chi- Square Test
Screening Data	Tables - Descriptive	
SD	Test of Normality	
SE	Tolerance Intervals	
Shapiro-Wilk Normality Test	Tolerance Limits	
Simulate Data	Transformations	

Design of Experiments

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

NCSS Procedure and Topic List (Categorized)

Split-Plot Design Generation
Taguchi Designs

Two-Level Design Analysis
Two-Level Designs

Two-level Factorial Designs
Wei's Urn Randomization

Diagnostic Tests

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

Confidence Intervals for Comparing Two Paired AUCs
Cost-Benefit Analysis
Diagnostic Odds Ratio
Diagnostic Tests
Empirical ROC Curve
Equivalence of Two AUCs
Equivalence of Two Paired AUCs
Equivalence Test for Sensitivity
Equivalence Test for Specificity
Equivalence Tests
Fall-out
False Discovery Rate
False Negative Rate
False Omission Rate
False Positive Rate
Likelihood Ratio
Miss Rate
Negative Likelihood Ratio
Negative Predictive Value
Non-Inferiority of Two AUCs
Non-Inferiority of Two Paired AUCs
Non-Inferiority Test for Sensitivity
Non-Inferiority Test for Specificity
Nonparametric ROC Curves
NPV
Odds Ratio
One ROC Curve and Cutoff Analysis

Optimal Criterion Value
Paired ROC Curves
Positive Likelihood Ratio
Positive Predictive Value
PPV
Precision
Prevalence
Proportion Correctly Classified
Proportions
Proportions Tests
Receiver Operating Characteristic Curve
Sensitivity
Sensitivity Confidence Interval
Sensitivity Equivalence Tests
Sensitivity Hypothesis Tests
Sensitivity Non-Inferiority Tests
Specificity
Specificity Confidence Interval
Specificity Equivalence Tests
Specificity Hypothesis Tests
Specificity Non-Inferiority Tests
Tests for Two AUCs
Tests for Two Paired AUCs
True Negative Rate
True Positive Rate
Youden Index

Distribution Fitting

Anderson-Darling Normality Test
Arcsine Square Root Hazard
Beta Distribution Fitting
Beta Reliability Plots
Block Outlier Tests
Border Plots
Box-Cox Power Transformation
Box-Cox Transformation
Censoring
Chi-Square Distribution
Chi-Square Plots
Chi-Square Probability Plots
Compare Probability Plots
Cumulative Hazard
D'Agostino Kurtosis Normality Test
D'Agostino Omnibus Normality Test

D'Agostino Skewness Normality Test
Descriptive Statistics
Detecting Outliers
Differential Evolution
Distribution (Weibull) Fitting
Distribution Fitting
Distribution Plots
Epanechnikov Kernel
ESD Outliers
Exponential Distribution
Exponential Fit
Exponential Probability Plots
Extreme Studentized Deviate
Extreme Value Distribution
Extreme Value Fit
Extreme Value Probability Plots

Extreme Values
Failure Distribution
Gamma Distribution
Gamma Distribution Fitting
Gamma Plots
Gamma Probability Plots
Greenwood's Formula
Grubbs' Outlier Test
Grubbs' Test
Half-Normal Distribution
Half-Normal Plots
Half-Normal Probability Plots
Hazard Function
Hazard Function Plots
Hazard Rate
Hazard Rate Plots

NCSS Procedure and Topic List (Categorized)

Histograms	Nelson-Aalen Hazard	Residuals
Kaplan-Meier	Newton-Raphson	Rosner's Outlier Test
Kaplan-Meier Curves	Normal Distribution	Shapiro-Wilk Normality Test
Kolmogorov-Smirnov Normality Test	Normal Fit	Skewness
Kolmogorov-Smirnov Test	Normal Probability	Skewness Normality Test
Kurtosis	Normal Probability Plots	Survival Analysis
Kurtosis Normality Test	Normality Plots	Survival Distribution Fitting
Logistic Distribution	Normality Tests	Survival Function
Logistic Fit	Omnibus Normality Test	Survival Plots
Logistic Probability Plots	Outlier Detection	Survivorship - Beta Plots
Log-Logistic Distribution	Outlier Test	Survivorship - Gamma Plots
Log-Logistic Fit	Outliers	Survivorship Plots
Log-Logistic Probability Plots	Parametric Hazard Rate	Test of Normality
Log-Normal Distribution	Plots	Uniform Distribution
Log-Normal Fit	Probability Plot Comparison	Uniform Probability Plots
Log-Normal Plots	Probability Plots	Weibull Distribution
Log-Normal Probability Plots	Product-Limit Estimator	Weibull Fit
Martinez-Iglewicz Normality Test	Product-Limit Survivorship	Weibull Probability Plots
Mill's Ratio	Reliability	

Forecasting

Amplitude	Exact Runs Test for Serial	Periodogram Plots
Analysis of Runs	Randomness	Portmanteau Test
ARIMA	Exponential Smoothing	Predicted Values
ARIMA (Box-Jenkins)	Exponential Smoothing - Horizontal	Prediction Limits
ARMA	Exponential Smoothing - Trend	Probability Plots
Autocorrelation Plots	Exponential Smoothing - Trend /	Randomness Tests
Autocorrelations	Seasonal	Ratio Plots
Automatic ARMA	Fast Fourier Transform	Regression
Backcasting	Forecast Plots	Residual Plots
Box-Jenkins	Forecasting	Runs Analysis
Box-Pierce-Ljung Statistic	Fourier Plots	Runs Charts
Computing Runs	Fourier Series	Runs Test for Serial Randomness
Continuity Correction	Frequencies	Runs Tests
Correlation Coefficient	Function Plots	Scatter Plots
Correlogram	Harmonic Regression	Seasonal Differencing
Cosines	Holt's Linear Trend	Seasonality
Cross-Correlations	Holt-Winters Exponential Smoothing	Serial Randomness
Cross-Correlations Plots	Holt-Winters Forecasting	Sines
Cycle	k-Category Runs Test for Randomness	Single-Sample k-category Runs Test
Cycle Regression	Ljung Statistic	for Randomness
Cycle-Input	MAE	Single-Sample Runs Test for
Cycles	MAPE	Randomness
Cyclical Regression	Multiple Regression	Single-Sample Runs Test for Serial
Data Plots	Nonparametric	Randomness
Decomposition Forecasting	Nonparametric Tests	Single-Sample Runs Tests
Decomposition Ratio Plots	Number of Runs	Sinusoidal Regressions
Differencing	Partial Autocorrelation	Spectral Analysis
Double Exponential Smoothing	Partial Autocorrelation Plots	Spectrum Plots
Exact Runs Test for Randomness	Periodic Regression	Test for Serial Randomness

NCSS Procedure and Topic List (Categorized)

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

Meta-Analysis

Cochran's Q Test
 Correlated Proportions
 Effect-Equality Test
 Fixed Effects Models
 Forest Plots
 Hazard Ratio
 Heterogeneity Test
 L'Abbe Plots
 Means

Meta-Analysis
 Meta-Analysis of Correlated
 Proportions
 Meta-Analysis of Hazard Ratios
 Meta-Analysis of Means
 Meta-Analysis of Proportions
 Odds Ratio
 Proportions
 Proportions Tests

Radial Plots
 Random Effects Models
 Relative Risk
 Risk Difference
 Risk Ratio
 T-Tests
 Zero-Effect Test

Method Comparison

Agreement
 Anderson-Darling Normality Test
 Average-Difference Plots
 Bablok Regression
 Bland-Altman
 Bland-Altman Plot and Analysis
 Bland-Altman Plots
 Block Outlier Tests
 Box-Cox Power Transformation
 Box-Cox Transformation
 CCC
 Concordance Coefficient
 Concordance Correlation Coefficient
 Correlation Coefficient
 D'Agostino Kurtosis Normality Test
 D'Agostino Omnibus Normality Test
 D'Agostino Skewness Normality Test
 Deming Regression
 Descriptive Statistics
 Detecting Outliers
 Diagnostic Tests
 Difference vs. Average Plots
 Equivalence Tests
 Errors-in-Variables Regression

ESD Outliers
 Extreme Studentized Deviate
 Extreme Values
 Grubbs' Outlier Test
 Grubbs' Test
 Histograms
 Jackknife Standard Error Estimation
 Kendall's Tau Correlation
 Kolmogorov-Smirnov Normality Test
 Kolmogorov-Smirnov Test
 Kurtosis
 Kurtosis Normality Test
 Limits of Agreement
 Lin's CCC
 Lin's Concordance Correlation
 Coefficient
 LoA
 Martinez-Iglewicz Normality Test
 Mean Comparison
 Mean Difference
 Mean Equality
 Means
 Measurement Error
 Method Comparison

Normal Distribution
 Normal Probability
 Normal Probability Plots
 Normality Tests
 Omnibus Normality Test
 Orthogonal Regression
 Outlier Detection
 Outlier Test
 Outliers
 Paired t-test
 Passing Bablok Regression
 Passing Regression
 Passing-Bablok Regression for Method
 Comparison
 Precision Measure
 Probability Plots
 Proportional Errors
 Rank Regression
 Rater Reliability
 Reliability
 Reproducibility
 Residual Plots
 Robust Regression
 Rosner's Outlier Test

NCSS Procedure and Topic List (Categorized)

Scatter Plots
Shapiro-Wilk Normality Test
Simple Deming Regression

Skewness
Skewness Normality Test
Test of Normality

Weighted Deming Regression

Mixed Models

AIC
Akaike Information Criterion
Analysis of Covariance
Analysis of Variance
ANCOVA
ANOVA
AOV
Between Factors
Bonferroni Adjustment
Compound Symmetry
Covariance Pattern
Covariates
Cross-Over Analysis
Cross-Over Design Analysis
Differential Evolution
Factorial Mixed Models
Fisher Scoring
Fixed Effects Models
F-Test
G Matrix

Hessian Matrix
Heterogenous Variances
Hierarchical Regression
Kenward and Roger Method
L Matrix
Linear Mixed Model
Longitudinal Data Analysis
Means Plots
MIVQUE
Mixed Models
Mixed Models - General
Mixed Models - No Repeated Measures
Mixed Models - Random Coefficients
Mixed Models - Repeated Measures
Model Fitting
Multiple Comparison Tests
Newton-Raphson
Paired Comparisons
Planned Comparisons

R Matrix
Random Coefficients Models
Random Effects Models
Random Models
Randomized Complete Block Design Analysis
REML
Repeated Measures
Repeated Measures Analysis of Variance
Repeated Measures Design Analysis
Restricted Maximum Likelihood
Split-Plot Design Analysis
Subject Plots
T-Tests
Unequal Variances Tests
Variance-Covariance Matrix
Within Factors

Multivariate Analysis

Association - Partial and Marginal
Bartlett's Sphericity Test
Bartlett's Test
Bonferroni C.I.'s
Box's M Test
CA
Canonical Coefficients
Canonical Correlation
Canonical Scores
Canonical Scores Plots
Canonical Variates
Chi-Square Test
Collinearity
Communality
Confidence Interval
COR
Correlation Coefficient
Correlation Eigenvalues
Correlation Matrix
Correspondence Analysis
Correspondence Plots
Covariance Eigenvalues
Covariance Matrix

CTR
Discriminant Analysis
Dissimilarity Plots
Distance
Eigenvalues
Eigenvectors
EM Algorithm
Equality of Covariance
Expected Mean Squares
Factor Analysis
Factor Loadings
Freeman-Tukey Standardized Residual
FT-SR
Gleason-Staelin Redundancy Measure
Goodness-of-Fit Tests
Hierarchical Models
Hotelling's One-Sample T2
Hotelling's Paired-Sample T2
Hotelling's Two-Sample T2
Imputation
Imputing Data
Lambda
Lawley-Hotelling Trace

Linear Discriminant Function
Linear Discriminant Scores
Linear Discriminant Scores Plots
LLM
Loadings
Loadings Plots
Loglinear Models
MANOVA
Marginal Association
MDS Map
Means
Means Plots
Metric Multidimensional Scaling
Missing Value Estimation
Multicollinearity
Multidimensional Scaling
Multivariate Analysis
Multivariate Analysis of Variance (MANOVA)
Multivariate Normal
Multivariate T-Test
Multiway Frequency Analysis
Non-Metric Multidimensional Scaling

NCSS Procedure and Topic List (Categorized)

Outliers	Regression Scores Plots	Sphericity Test
Paired T-Test	Repeated Measures	Standardized Canonical Coefficients
Partial Association	Repeated Measures Analysis of Variance	Stress
PCA	Robust Weight	Subset Selection
Pearson Chi-square	Roy's Largest Root	T2
Pillai's Trace	R-Squared	T-Tests
Principal Components	Score Coefficients	Variable Selection
Principal Components Analysis	Scores Plots	Variable-Variate Correlations
Principal Coordinates	Scree Plots	Varimax Rotation
Quartimax Rotation	Simultaneous C.I.'s	Wilks' Lambda
Randomization Test		

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 Group Comparison	Tarone-Ware Test
Kaplan-Meier	Nondetects-Data Regression	
Kaplan-Meier Curves	Nonparametric	

Nonparametric

Analysis of Runs	Mann-Whitney U Test (Two-Sample Non-Inferiority Test)	ROC Curves
Bootstrap Confidence Intervals (One-Sample T-Test)	Mann-Whitney U Test (Two-Sample T-Test)	Sign Test (One-Sample T-Test)
Bootstrap Confidence Intervals (Paired T-Test)	Nondetects-Data Group Comparison	Sign Test (Paired T-Test)
Bootstrap Confidence Intervals (Two-Sample T-Test)	Randomization Test (Curve Fitting - General)	Spearman Rank Correlation (Correlation)
Cochran's Q Test	Randomization Test (Hotelling's One-Sample T2)	Spearman Rank Correlation (Correlation Matrix)
Conover Equal Variance Test (One-Way ANOVA)	Randomization Test (Hotelling's Two-Sample T2)	Spearman Rank Correlation (Linear Regression and Correlation)
Cumulative Incidence	Randomization Test (Kaplan-Meier Curves (Logrank Tests))	Wilcoxon Rank-Sum Test (Two-Sample Equivalence Test)
Dunn's Test (One-Way ANOVA)	Randomization Test (Linear Regression and Correlation)	Wilcoxon Rank-Sum Test (Two-Sample Non-Inferiority Test)
Friedman's Rank Test (Balanced Design ANOVA)	Randomization Test (Michaelis-Menten Equation)	Wilcoxon Rank-Sum Test (Two-Sample T-Test)
Kaplan-Meier Curves (Logrank Tests)	Randomization Test (One-Sample T-Test)	Wilcoxon Signed-Rank Test (One-Sample T-Test)
Kendall's Tau Correlation	Randomization Test (Paired T-Test)	Wilcoxon Signed-Rank Test (Paired T-Test)
Kolmogorov-Smirnov Test (Two-Sample T-Test)	Randomization Test (Two-Sample T-Test)	
Kruskal-Wallis Test (One-Way ANOVA)		
Mann-Whitney U Test (Two-Sample Equivalence Test)		

Operations Research

Assignment	LP	Optimization
Assignment Algorithm	Maximal Flow	Original Cost
Binary Integer Programming	Maximum Flow	QP
Capacitated Flow	Minimum Cost Capacitated Flow	Quadratic Programming
Constraints	Minimum Cost Flow	RHS
Decision Variables	Minimum Path	Shortest Path
Dual Simplex Algorithm	Minimum Spanning Forest	Shortest Route
Final Tableau	Minimum Spanning Tree	Simplex Algorithm
Flow	Mixed Integer Linear Programming	Spanning Tree
Forest	Mixed Integer Programming	Tableau
Greedy Algorithm	Network	Transportation
Integer Programming	Network Flow	Transportation Algorithm
Linear Programming	Objective Function	Transshipment
Linear Programming with Bounds	Operations Research	Tree
Linear Programming with Tableau	Optimal RHS	

Proportions

2x2 Table	Column Percentages	Fisher's Exact Test
Absolute Risk	Conditional Exact Confidence Interval - Odds Ratio	Fleiss Confidence Interval
Adjusted Kappa Statistic	Conditional Mantel-Haenszel Test	Freeman-Tukey Standardized Residual
Armitage Rank Correlation Test	Confidence Interval	Frequencies
Association - Partial and Marginal	Confidence Interval for One Proportion	Frequency Tables
Association and Correlation Statistics	Confidence Interval for Proportions	FT-SR
Bar Charts	Contingency Tables	Gamma
Barnard Exact Test	Contingency Tables (Crosstabs / Chi- Square Test)	Gart-Nam Score
Binomial Test	Continuity Correction	Goodness-of-Fit Tests
Binomial Test of Odds Ratio	Correlated Proportions	Hierarchical Models
Blackwelder Test	Correlation Statistics	Incidence rates
Blackwelder-Nam Confidence Interval	Count Tables	Independence Tests
Bootstrap Confidence Interval	Counts	Inter-Rater Agreement (Kappa)
Bootstrapping	Cramer's V	Kappa Reliability Test
Cell Counts	Cross Tabulation	Kappa Statistic
Chen's Quasi-Exact Confidence Interval	Crosstabs	Kappa Test for Inter-Rater Agreement
Chi-Square	Descriptive Statistics	Katz Logarithm Confidence Interval
Chi-Square Test	Descriptive Tables	Kendall's Tau
Cluster Proportions	Difference in Proportions	Lambda
Cluster Randomization	Equivalence Tests	Likelihood Ratio Test
Cluster Randomization - Create Cluster Proportions Dataset	Equivalence Tests using TOST	LLM
Cluster Randomization - Create Cluster Rates Dataset	Exact Binomial Test	Loglinear Models
Cluster Rates	Exact Conditional Binomial Test	Mantel-Haenszel Confidence Intervals
Cluster Survival	Exact Conditional Confidence Interval	Mantel-Haenszel Test
Cochran-Armitage Proportion Trend Test	Exact Confidence Interval	Marginal Association
Cochran-Armitage Proportion Trend Test with Continuity Correction	Exact Test	McNemar Test
Cochran's Q Test	Expected Counts	Miettinen-Nurminen Score
	Farrington-Manning Score	Minimum Required Difference
	Fisher Conditional Exact Test	Multinomial Test
		Multiple Comparison Tests
		Multiway Frequency Analysis
		Nam Equivalence Test

NCSS Procedure and Topic List (Categorized)

Nam Score Confidence Interval	Risk Reduction	Two Proportions
Nam Score Test	Robins Confidence Interval	Two Proportions - Equivalence Tests
Nam-Blackwelder Confidence Interval	Row Percentages	Two Proportions - Non-Inferiority Tests
Nam-Blackwelder Test	Row-Column Independence Test	Two Proportions - Superiority by a Margin Tests
Non-Inferiority	Score	Two Proportions - Two-Sided Tests vs. a Margin
Non-Inferiority Tests	Score Tests	Two-by-Two Tables
Nonparametric	SD	Two-sided Tests vs. a Margin
Nonparametric Tests	Standard Deviation	Two-Way Tables
Number Needed to Treat	Standardized Residuals	Unconditional Exact Farrington-Manning Score Test
Odds Ratio	Summarize Clusters	Wald Confidence Interval
One Proportion	Summary Lists	Wald Test
One Proportion - Equivalence Tests	Summary Tables	Wald test of difference
One Proportion - Non-Inferiority Tests	Sums	Wald Z Confidence interval
One Proportion - Superiority by a Margin Tests	Superiority by a Margin	Wald Z Continuity Correction
One Proportion Tests	Superiority by a Margin Tests	Wald Z Test
Paired Proportions	Superiority Tests	Walters Confidence Interval
Paired T-Test	Survival Rates	Weighted Kappa
Partial Association	Symmetric Lambda	Weighted Kappa Reliability Test
Pearson Chi-square	Table of Proportions	Weighted Kappa Statistic
Pearson Conditional Exact Test	Table of Rates	Weighted Kappa Test for Inter-Rater Agreement
Pearson's Chi-Square Test	Table Percentages	Wilson Score
Pearson's Contingency Coefficient	Table Statistics	Wilson Score Confidence Interval
Percentages	Tables - Descriptive	Woolf's Confidence Interval
Phi	TOST	Woolf's Confidence Limits
Proportion - One	TOST Equivalence Test	Woolf's Odds Ratio Analysis
Proportion Trend Test	Tschuprow's T	Yates' Continuity Corrected Chi-Square Test
Proportions	Two Correlated Proportions	Z-Tests
Proportions - Two	Two Correlated Proportions - Equivalence Tests	
Proportions Tests	Two Correlated Proportions - Non-Inferiority Tests	
Ratio of Proportions	Two Correlated Proportions - Superiority by a Margin Tests	
Relative Risk	Two Correlated Proportions (McNemar Test)	
Relative Risk Reduction		
Reliability		
Risk Ratio		

Quality Control

Acceptable Quality Level	Continuity Correction	Descriptive Statistics
Acceptance Number	Control Charts	EWMA Charts
Acceptance Sampling	Control Limits	Exact Runs Test for Randomness
Acceptance Sampling for Attributes	Cp	Exact Runs Test for Serial Randomness
Analysis of Runs	Cpk	Exponential Distribution
Anderson-Darling Normality Test	Cpkm	Exponentially Weighted Moving Average Chart
AQL	Cpm	Gauge Study
Attribute Charts	Cumulative Chart	Histograms
Autocorrelations	Cumulative Pareto Chart	I-MR Charts
C Charts	Cumulative Sum Charts	In-Control
Capability Analysis	CUSUM Charts	Individuals and Moving Range Charts
Capability Histograms	D'Agostino Kurtosis Normality Test	Individuals Charts
Chi-Square Normality Test	D'Agostino Omnibus Normality Test	Inspection Plans
Computing Runs	D'Agostino Skewness Normality Test	
Consumer's Risk	Defective	

NCSS Procedure and Topic List (Categorized)

k-Category Runs Test for Randomness	Plots	Signal-to-Noise Ratio
Kolmogorov-Smirnov Test	Precision-to-Tolerance Ratio	Single-Sample k-category Runs Test for Randomness
k-Period Lag	Probability Plots	Single-Sample Runs Test for Randomness
Kurtosis	Process Capability Ratio	Single-Sample Runs Test for Serial Randomness
Kurtosis Normality Test	Process Variation	Single-Sample Runs Tests
Lag	Producer's Risk	Sinusoidal Pattern
Lag Plots	Product Inspection Plans	Skewness
Levey-Jennings Charts	Quality Control	Skewness Normality Test
Limiting Quality Level	Quality Control Charts	Standard Deviation Charts
Lot Proportion Defective	R & R Study	Test for Serial Randomness
Lot Tolerance Proportion Defective	R Charts	Tests for Randomness
LQL	Randomness Tests	Tests for Runs
LTPD	Range Charts	Time Series
MA Charts	Rbar	Time Series Plots
Measurement Error	Repeatability	Tolerance Intervals
Moving Average Charts	Repeatability and Reproducibility Study	Tolerance Limits
Moving Range Charts	Reproducibility	Tolerance R & R
Nonconforming	Runs Analysis	U Charts
Nonparametric	Runs Charts	Up-Down Runs Test
Nonparametric Tests	Runs Test for Serial Randomness	Wald-Wolfowitz Runs Test
Normality Tests	Runs Tests	Westgard Rules
NP Charts	s Charts	X-bar and R Charts
Number of Runs	Sampling Plans	X-bar and s Charts
OC Curves	Sbar	Xbar Charts
Operating Characteristic Curves	Scatter Plots	X-bar Charts
Operating Characteristic Curves for Acceptance Sampling for Attributes	Serial Randomness	Zones
Out-of-Control	Shapiro-Wilk Normality Test	
P Charts	Shewhart	
Pareto Charts	Sigma Limits	

Reference Intervals

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

NCSS Procedure and Topic List (Categorized)

Regression

2SLS
 Accelerated Testing
 Adjusted R-Squared
 AIC
 Akaike Information Criterion
 All Possible Regressions
 All Possible Subsets
 Amplitude
 Analysis of Covariance
 Analysis of Covariance (ANCOVA)
 with Two Groups
 Analysis of Deviance
 Analysis of Variance
 ANCOVA
 Anderson-Darling Normality Test
 Andrews' Sine
 ANOVA
 Anscombe Residuals
 AOV
 Autocorrelation Regression
 Autocorrelations
 Autoregressive Error Model
 Average Absolute Percent Error
 Bablok Regression
 Backward Selection
 Backward-Step Regression
 Beta Trace
 Beta Trace Plots
 Binary Response
 Bleasdale-Nelder Model Fit
 Bonferroni
 Bonferroni Test
 Bootstrap Confidence Interval
 Bootstrapping
 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
 Breslow Ties
 Canonical Coefficients
 Canonical Scores
 Canonical Scores Plots
 Canonical Variates
 Case-Control
 Censored Regression
 Censoring
 Change in Deviance Test
 Chi-Square
 Chi-Square Test
 Cochran-Orcutt Procedure
 Coefficient of Variation
 Coefficients
 Comparing Two Means
 Conditional Logistic Regression
 Confidence Band
 Confidence Interval
 Contour Plots
 Cook's D
 Cook's Distance
 Correlation - Pearson
 Correlation - Spearman
 Correlation Coefficient
 Correlation Matrix
 Cosines
 Counts
 Counts Regression
 COV
 Covariance
 Covariance Analysis
 Cox Proportional Hazards Regression
 Cox Regression
 Cox-Snell Residuals
 Cp
 Cp Plots
 Cubic Model Fit
 Cumulative Hazard
 Cumulative Survival
 Curve Fitting
 Curve Fitting - General
 Curve Fitting Plots
 Curve Inequality Test
 Custom Model
 Cycle Regression
 Cycles
 Cyclical Regression
 D'Agostino Kurtosis Normality Test
 D'Agostino Omnibus Normality Test
 D'Agostino Skewness Normality Test
 Deming Regression
 Descriptive Statistics
 Deviance Residuals
 Deviance Test
 DFBETA
 DFCHI2
 DFDEV
 DFFITS
 Difference vs. Average Plots
 Discriminant Analysis
 Dispersion Alpha
 Dispersion Phi
 Dose
 Dose-Response
 Dose-Response Plots
 Dunnett's Confidence Intervals
 Dunnett's Test vs. a Control
 Durbin-Watson Test
 Econometrics
 Efron Ties
 Eigenvalues
 Eigenvectors
 Endogeneity
 Endogenous Variables
 Enzyme Kinetics
 Equal Variance Tests
 Equivalence
 Equivalence Tests
 Equivalence Tests using TOST
 Errors-in-Variables Regression
 Estimation of Property Values
 Exogenous Variables
 Exponential Error Regression
 Exponential Model Fit
 Exponential Regression
 Extreme Value Error Regression
 Factorial Design Analysis
 Farzadaghi and Harris Model Fit
 Fisher's LSD Test
 Fisher's Z Transformation
 Fixed Factor
 Forecasting
 Forward Selection
 Forward-Step Regression
 Fourier Series
 Fractional Polynomial Regression
 Fractional Polynomials
 Frequencies
 F-Test
 Function Plots
 G Statistic Test
 General Linear Models (GLM)
 General Linear Models (GLM) for
 Fixed Factors
 Geometric Regression
 GLM
 Gompertz Model Fit
 Goodness-of-Fit Tests
 Group Comparison Plots
 Harmonic Regression
 Hat Diagonal

NCSS Procedure and Topic List (Categorized)

Hat Values	Log-Normal Distribution	Normal Model Fit
Hat vs. Row Plots	Log-Normal Error Regression	Normal Range
Hausmans Test	Log-Normal Model Fit	Normal Regression
Hazard Function	Log-Normal Regression	Normality Plots
Hazard Function Plots	Lowess	Normality Test
Hazard Rate	Mallow's Cp	Normality Tests
Hazard Ratio	Mallow's Cp	One-Way Analysis of Covariance (ANCOVA)
Heteroscedasticity	Martingale Residuals	One-Way Analysis of Variance
Hierarchical Forward Selection	Mass Appraisal	One-Way ANOVA
Hierarchical Models	Matched	Orthogonal Regression
Hierarchical Regression	McHenry's Select Algorithm	Outlier Detection
Hierarchical Subset Search	Means	Outliers
Hill Model Fit	Means Plots	Overdispersion
Histograms	Measurement Error	Paired Comparisons
Holliday Model Fit	Median-Slope Regression	Paired t-test
Honest Significant Difference	M-Estimators	Parametric Survival (Weibull) Regression
Huber's Method	Method Comparison	Parametric Survival Regression
Hyperbola	Michaelis-Menten Equation	Partial Correlation
Incidence Plots	Michaelis-Menten Model Fit	Partial Residual Plots
Incidence Rate	Min MSE	Passing Bablok Regression
Influence	Min RMSE	Passing Regression
Instrument Variables	Minimum MSE	Passing-Bablok Regression for Method Comparison
Instrumental Variables	Minimum RMSE	PC Regression
Jackknife Standard Error Estimation	Model Fitting	Pearson Correlation
K Analysis	Model Fitting for Appraisal	Pearson Residuals
Kendall's Tau Correlation	Model Searching	Pearson Test
Kinetics	Monomolecular Model Fit	Periodic Regression
Kurtosis Normality Test	Morgan-Mercer-Floding Model Fit	Poisson Distribution
Lack-of-Fit Test	Multicollinearity	Poisson Regression
Lambda	Multinomial Logistic Regression	Poisson-Gamma Regression
Levenberg-Marquardt Nonlinear Least-Squares Algorithm	Multiple Comparison Tests	Polynomial Ratio
Levene's Equal Variance Test	Multiple Comparisons Plots	Polynomial Ratio Model Fit
Likelihood Ratio Test	Multiple Regression	Polynomial Regression
Linear Discriminant Function	Multiple Regression - Basic	Power Model Fit
Linear Discriminant Scores	Multiple Regression for Appraisal	Power Transformation
Linear Discriminant Scores Plots	Multiple Regression with Serial Correlation	Predicted Values
Linear Model Fit	Multiple-Group Logistic Regression	Prediction Limits
Linear Regression	Multisample Test	PRESS Statistics
Linear Regression - Box-Cox	Multivariate Analysis	Principal Components
Linear Regression and Correlation	Multivariate Polynomial Ratio Fit	Principal Components Regression
Linear-Linear Model Fit	Multivariate Regression	Prob Correct vs. Cutoff Plots
Linear-Linear-Linear Model Fit	Multivariate Variable Selection	Probability Ellipse
Linear-Logistic Model	Nash's MRT Algorithm	Probability Plots
Linear-Quadratic Model Fit	Negative Binomial Regression	Probit Analysis
Loess	Nominal Logistic Regression	Probit Plots
Logarithmic Model Fit	Nondetects Analysis	Property Valuation
Logistic Error Regression	Nondetects-Data Regression	Proportional Errors
Logistic Model Fit	Non-Inferiority	Proportional Hazards Regression
Logistic Regression	Non-Inferiority Tests	Quadratic Model Fit
Logit	Nonlinear Regression	Quadratic-Linear Model Fit
Log-Logistic Error Regression	Nonparametric Tests	
Log-Logistic Regression	Normal Error Regression	

NCSS Procedure and Topic List (Categorized)

Quadratic-Quadratic Model Fit	Schoenfeld's Residuals	TOST Equivalence Test
Quantile Regression	Schoenfeld's Residuals Plots	Transference
Randomization Test	Scores Plots	Transformations
Rank Regression	Sequence Plots	Transformations - Box-Cox
Ratio of Polynomials	Sequential Models	Transformations - Power
Ratio of Polynomials Fit	Serial Correlation	Transformations to Normality
Ratio of Polynomials Fit - Many Variables	Serial Correlation Plots	TSLs
Ratio of Polynomials Fit - One Variable	Shapiro-Wilk Normality Test	T-Test
Ratio of Polynomials Search	Shinozaki and Kira Model Fit	Tukey-Kramer Simultaneous Confidence Intervals
Ratio of Polynomials Search - Many Variables	Sidak Test	Tukey-Kramer Test
Ratio of Polynomials Search - One Variable	Simple Deming Regression	Tukey's Biweight
Reciprocal Model Fit	Simple Linear Regression	Tukey's HSD
Reference Interval	Simultaneous Confidence Intervals	Two-Sample Equivalence Tests for Survival Data using Cox Regression
Reference Range	Sines	Two-Sample Non-Inferiority Tests for Survival Data using Cox Regression
Regression	Sinusoidal Regressions	Two-Sample Superiority by a Margin Tests for Survival Data using Cox Regression
Regression Coefficients	Skewness Normality Test	Two-Sample T-Test
Regression for Appraisal	Slopes - Testing for Equal	Two-Stage Least Squares
Regression Scores Plots	Spearman Correlation	Variable Selection
Relative Risk	Spearman Rank Correlation	Variable Selection for Multivariate Regression
Residual Plots	Spectral Analysis	Variable-Variate Correlations
Residuals	Stage Regression	Variance Inflation Factor
Response Surface	Standard Error	Variance Inflation Factor Plots
Response Surface Regression	Step-Down Selection	Variance Test
Richards Model Fit	Step-Up Selection	VIF
Ridge Regression	Stepwise Regression	VIF Plots
Ridge Trace	Stepwise Selection	Wald Statistic
Ridge Trace Plots	Stratified Logistic Regression	Wald Test
Risk Ratio	Stress A	Wave Regression
Robust	Stress B	Weibull Error Regression
Robust Linear Regression (Passing-Bablok Median-Slope)	Stress Plots	Weibull Fitting
Robust Regression	Studentized Deviance Residuals	Weibull Model Fit
Robust Residuals	Studentized Pearson Residuals	Weibull Regression
Robust Weight	Subset Selection	Weighted Deming Regression
ROC Curves	Subset Selection in Multiple Regression	Wilks' Lambda
Root MSE	Subset Selection in Multivariate Y Multiple Regression	Working-Hotelling C.I. Band
Root MSE Plots	Sum of Exponentials Model Fit	Working-Hotelling Limits
R-Squared	Sum of Functions Models	Yhat
R-Squared Plots	Superiority by a Margin	Zero-Inflated Negative Binomial Regression
RStudent Residuals	Superiority by a Margin Tests	Zero-Inflated Poisson Regression
Scaled Schoenfeld's Residuals	Survival Analysis	
Scatter Plots	Survival Regression	
Scheffe's Test	Tests for Two-Factor Interactions	
	Time Series	
	Time Series Plots	
	TOST	

Reliability

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

NCSS Procedure and Topic List (Categorized)

Residuals	Sums	TOST Equivalence Test
Risk Ratio	Superiority by a Margin	Two-by-Two Tables
Robins Confidence Interval	Superiority by a Margin Tests	Two-Sample Equivalence Tests for
R-Squared	Survival Analysis	Survival Data using Cox Regression
Scaled Schoenfeld's Residuals	Survival Curves	Two-Sample Non-Inferiority Tests for
Scatter Plots	Survival Distribution Fitting	Survival Data using Cox Regression
Schoenfeld's Residuals	Survival Function	Two-Sample Superiority by a Margin
Schoenfeld's Residuals Plots	Survival Parameter Conversion Tool	Tests for Survival Data using Cox
SD	Survival Plots	Regression
Shapiro-Wilk Normality Test	Survival Quantiles	Uniform Kernel
Skewness	Survival Rates	Variable Selection
Skewness Normality Test	Survival Regression	Wald Test
Standard Deviation	Survivorship - Beta Plots	Weibull Distribution
Stepwise Regression	Survivorship - Gamma Plots	Weibull Error Regression
Stress A	Survivorship Plots	Weibull Fit
Stress B	Table of Rates	Weibull Probability Plots
Stress Plots	Tables - Descriptive	Weibull Regression
Subdistribution Hazards	Tarone-Ware Test	Woolf's Confidence Interval
Subset Selection	Time Calculator	Woolf's Confidence Limits
Summarize Clusters	Tolerance Intervals	Woolf's Odds Ratio Analysis
Summary Lists	Tolerance Limits	
Summary Tables	TOST	

ROC Curves

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

Survey Data

Adjusted Kappa Statistic	Cluster Means	Cluster Rates
Alpha - Cronbach's	Cluster Proportions	Cluster Survival
Armitage Rank Correlation Test	Cluster Randomization	Cochran-Armitage Proportion Trend
Association - Partial and Marginal	Cluster Randomization - Create	Test
Association and Correlation Statistics	Cluster Means Dataset	Cochran-Armitage Proportion Trend
Bar Charts	Cluster Randomization - Create	Test with Continuity Correction
Cell Counts	Cluster Proportions Dataset	Cochran's Q Test
Chi-Square	Cluster Randomization - Create	COD
Chi-Square Test	Cluster Rates Dataset	Coefficient Alpha

NCSS Procedure and Topic List (Categorized)

Coefficient of Dispersion	Item Analysis	Pearson's Contingency Coefficient
Coefficient of Variation	Kappa Reliability Test	Percentages
Column Percentages	Kappa Statistic	Percentiles
Confidence Interval	Kappa Test for Inter-Rater Agreement	Phi
Contingency Tables	Kendall's Tau	Proportion Trend Test
Contingency Tables (Crosstabs / Chi-Square Test)	Kurtosis	Proportions
Continuity Correction	Kurtosis Normality Test	Range
Correlation Statistics	Lambda	Reliability
Count Tables	Likelihood Ratio Test	Row Percentages
Counts	LLM	Row-Column Independence Test
COV	Loglinear Models	Screening Data
Cramer's V	MAD	SD
Cronbach's Alpha	MADM	SE
Cross Tabulation	Marginal Association	Skewness
Crosstabs	Maximum	Skewness Normality Test
CV	McNemar Test	Standard Deviation
Data Imputation	Mean Absolute Deviation	Standard Error
Data Screening	Mean Absolute Deviation from the Median	Standardized Residuals
Descriptive Statistics	Means	Summarize Clusters
Descriptive Statistics - Summary Lists	Median	Summary Lists
Descriptive Statistics - Summary Tables	Minimum	Summary Tables
Descriptive Tables	Minimum Required Difference	Sums
Detecting Outliers	Missing Count	Survival Rates
Exact Test	Missing Value Estimation	Symmetric Lambda
Expected Counts	Multinomial Test	Table of Means
Fisher's Exact Test	Multiple Comparison Tests	Table of Proportions
Freeman-Tukey Standardized Residual	Multivariate Analysis	Table of Rates
Frequency Tables	Multivariate Normal Missing Value Estimation	Table Percentages
FT-SR	Multiway Frequency Analysis	Table Statistics
Gamma	Nonparametric	Tables - Descriptive
Goodness-of-Fit Tests	Nonparametric Tests	Tschuprow's T
Hierarchical Models	Normality Tests	Two-Way Tables
Imputation	Omnibus Normality Test	Variance
Imputing Data	Outlier Detection	Variation
Incidence rates	Outliers	Weighted Kappa
Independence Tests	Paired T-Test	Weighted Kappa Reliability Test
Interquartile Range	Partial Association	Weighted Kappa Statistic
Inter-Rater Agreement (Kappa)	Pearson Chi-square	Weighted Kappa Test for Inter-Rater Agreement
IQR	Pearson's Chi-Square Test	Yates' Continuity Corrected Chi-Square Test

Survival Analysis

2x2 Table	Breslow Ties	Cluster Randomization - Create
Accelerated Testing	Calculator - Survival Parameters	Cluster Rates Dataset
Analysis of Deviance	Censored Regression	Cluster Rates
Anderson-Darling Normality Test	Censoring	Cluster Survival
Arcsine Square Root Hazard	Change in Deviance Test	Competing Risks
Bar Charts	Chi-Square Test	Confidence Interval
Beta Distribution Fitting	CIF	Counts
Beta Reliability Plots	Cluster Randomization	Cox Proportional Hazards Regression
Biweight Kernel		Cox Regression

NCSS Procedure and Topic List (Categorized)

Cox-Mantel Logrank Test	Hierarchical Models	Parametric Hazard Rate
Cox-Snell Residuals	Hierarchical Subset Search	Parametric Survival (Weibull)
Cumulative Hazard	Histograms	Regression
Cumulative Incidence	Incidence rates	Parametric Survival Regression
Cumulative Incidence Plots	Kaplan-Meier	Pepe and Mori's Test
Cumulative Survival	Kaplan-Meier Curves	Peto-Peto Test
Cumulative Survival Plots	Kaplan-Meier Curves (Logrank Tests)	Probability of Failure
Custom Model	Kolmogorov-Smirnov Test	Probability Plots
D'Agostino Kurtosis Normality Test	Kurtosis	Probit Analysis
D'Agostino Omnibus Normality Test	Kurtosis Normality Test	Probit Plots
D'Agostino Skewness Normality Test	Life-Table Analysis	Product-Limit Estimator
Death Density Function	Likelihood Ratio Test	Product-Limit Survivorship
Descriptive Statistics	Logistic Distribution	Proportional Hazards Regression
Descriptive Tables	Logistic Error Regression	Proportions
Deviance Residuals	Logistic Fit	Proportions Tests
Deviance Test	Logistic Probability Plots	Randomization Test
Differential Evolution	Logistic Regression	Regression
Distribution (Weibull) Fitting	Log-Logistic Distribution	Regression Coefficients
Distribution Fitting	Log-Logistic Error Regression	Relative Risk
Dose	Log-Logistic Fit	Reliability
Dose-Response	Log-Logistic Probability Plots	Residual Plots
Dose-Response Plots	Log-Logistic Regression	Residuals
Efron Ties	Log-Normal Distribution	Risk Ratio
Epanechnikov Kernel	Log-Normal Error Regression	Robins Confidence Interval
Equivalence	Log-Normal Fit	R-Squared
Equivalence Tests	Log-Normal Probability Plots	Scaled Schoenfeld's Residuals
Equivalence Tests using TOST	Log-Normal Regression	Scatter Plots
Exact Test	Logrank Test	Schoenfeld's Residuals
Exponential Distribution	Mantel-Haenszel Confidence Intervals	Schoenfeld's Residuals Plots
Exponential Error Regression	Mantel-Haenszel Logrank Test	SD
Exponential Fit	Mantel-Haenszel Test	Shapiro-Wilk Normality Test
Exponential Probability Plots	Martingale Residuals	Skewness
Exponential Regression	Median Remaining Lifetime	Skewness Normality Test
Extreme Value Distribution	Median Survival Time Conversion	Standard Deviation
Extreme Value Error Regression	Mill's Ratio	Stepwise Regression
Extreme Value Fit	Model Fitting	Stress A
Extreme Value Probability Plots	Modified Peto-Peto Test	Stress B
Failure Distribution	Mortality Ratio Conversion	Stress Plots
Failure Probability	MRT	Subdistribution Hazards
Fisher's Exact Test	Nelson-Aalen Hazard	Subset Selection
Fleming-Harrington Test	Newton-Raphson	Summarize Clusters
Forward Selection	Non-Inferiority	Summary Lists
Gamma Distribution Fitting	Non-Inferiority Tests	Summary Tables
Gehan Test	Nonparametric	Sums
Gray's Test	Nonparametric Survival Estimation	Superiority by a Margin
Greenwood's Formula	Normal Distribution	Superiority by a Margin Tests
Hazard Function	Normal Error Regression	Survival Analysis
Hazard Function Plots	Normal Fit	Survival Curves
Hazard Rate	Normal Probability Plots	Survival Distribution Fitting
Hazard Rate Conversion	Normal Regression	Survival Function
Hazard Rate Plots	Normality Tests	Survival Parameter Conversion Tool
Hazard Ratio	Odds Ratio	Survival Plots
Hazard Ratio Conversion	Outliers	Survival Quantiles

NCSS Procedure and Topic List (Categorized)

Survival Rates	TOST	Variable Selection
Survival Regression	TOST Equivalence Test	Wald Test
Survivorship - Beta Plots	Two-by-Two Tables	Weibull Distribution
Survivorship - Gamma Plots	Two-Sample Equivalence Tests for	Weibull Error Regression
Survivorship Plots	Survival Data using Cox Regression	Weibull Fit
Table of Rates	Two-Sample Non-Inferiority Tests for	Weibull Probability Plots
Tables - Descriptive	Survival Data using Cox Regression	Weibull Regression
Tarone-Ware Test	Two-Sample Superiority by a Margin	Woolf's Confidence Interval
Time Calculator	Tests for Survival Data using Cox	Woolf's Confidence Limits
Tolerance Intervals	Regression	Woolf's Odds Ratio Analysis
Tolerance Limits	Uniform Kernel	

Time Series

Amplitude	Exponential Smoothing - Trend	Residual Plots
Analysis of Runs	Exponential Smoothing - Trend /	Runs Analysis
ARIMA	Seasonal	Runs Charts
ARIMA (Box-Jenkins)	Fast Fourier Transform	Runs Test for Serial Randomness
ARMA	Forecast Plots	Runs Tests
Autocorrelation Plots	Forecasting	Scatter Plots
Autocorrelations	Fourier Plots	Seasonal Differencing
Automatic ARMA	Fourier Series	Seasonality
Backcasting	Frequencies	Serial Randomness
Box-Jenkins	Function Plots	Sines
Box-Pierce-Ljung Statistic	Harmonic Regression	Single-Sample k-category Runs Test
Computing Runs	Holt's Linear Trend	for Randomness
Continuity Correction	Holt-Winters Exponential Smoothing	Single-Sample Runs Test for
Correlation Coefficient	Holt-Winters Forecasting	Randomness
Correlogram	k-Category Runs Test for Randomness	Single-Sample Runs Test for Serial
Cosines	Ljung Statistic	Randomness
Cross-Correlations	MAE	Single-Sample Runs Tests
Cross-Correlations Plots	MAPE	Sinusoidal Regressions
Cycle	Multiple Regression	Spectral Analysis
Cycle Regression	Nonparametric	Spectrum Plots
Cycle-Input	Nonparametric Tests	Test for Serial Randomness
Cycles	Number of Runs	Tests for Randomness
Cyclical Regression	Partial Autocorrelation	Tests for Runs
Data Plots	Partial Autocorrelation Plots	Theoretical ARMA
Decomposition Forecasting	Periodic Regression	Time Series
Decomposition Ratio Plots	Periodogram Plots	Time Series Plots
Differencing	Portmanteau Test	Up-Down Runs Test
Double Exponential Smoothing	Predicted Values	Wald-Wolfowitz Runs Test
Exact Runs Test for Randomness	Prediction Limits	Wave Regression
Exact Runs Test for Serial	Probability Plots	Winters Forecasting
Randomness	Randomness Tests	Yule-Walker
Exponential Smoothing	Ratio Plots	
Exponential Smoothing - Horizontal	Regression	

T-Tests

2x2 Cross-Over Design
 Agreement
 Alias
 Analysis of 2x2 Cross-Over Designs using T-Tests
 Analysis of 2x2 Cross-Over Designs using T-Tests for Equivalence
 Analysis of 2x2 Cross-Over Designs using T-Tests for Non-Inferiority
 Analysis of 2x2 Cross-Over Designs using T-Tests for Superiority by a Margin
 Analysis of Covariance
 Analysis of Covariance (ANCOVA) with Two Groups
 Analysis of Two-Level Designs
 Analysis of Variance
 ANCOVA
 Anderson and Hauck's Test
 ANOVA
 AOV
 Aspin-Welch Unequal-Variance T-Test
 Average-Difference Plots
 Bartlett's Test
 Bioequivalence
 Bioequivalence Tests
 Bland-Altman
 Bland-Altman Plot and Analysis
 Bland-Altman Plots
 Bonferroni C.I.'s
 Bootstrap Confidence Interval
 Bootstrapping
 Box Plots
 Box-and-Whisker Plots
 Box-Cox Algorithm
 Box-Cox for ANOVA
 Box-Cox for One-Way ANOVA
 Box-Cox for T-Test
 Box-Cox Plots
 Box-Cox Power Transformation
 Box-Cox Transformation
 Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)
 Box's M Test
 Compare Means
 Compare Two Distributions
 Comparing Paired Difference Means
 Comparing Two Means
 Confidence Interval
 Confidence Interval for Means
 Confidence Interval for Medians
 Confidence Interval for One Mean
 Confidence Interval for Paired Means
 Confidence Interval for SD
 Confidence Interval for SD Ratio
 Confidence Interval for Standard Deviation
 Confounding
 Correlated T-Test
 Correlation Coefficient
 Covariance
 Covariance Analysis
 Cross-Over Analysis
 Cross-Over Design Analysis
 Cross-Over Means
 Cross-Over Two Means
 Descriptive Statistics
 Difference in Means
 Difference in Medians
 Eigenvalues
 Equal Variance Tests
 Equal-Variance Test
 Equivalence Tests
 Equivalence Tests using TOST
 F-Test
 Group Comparison Plots
 Histograms
 Hotelling's One-Sample T2
 Hotelling's Paired-Sample T2
 Hotelling's Two-Sample T2
 Kolmogorov-Smirnov Test
 Kurtosis Normality Test
 Lambda
 Lambda vs. SD Plots
 Levene's Equal Variance Test
 Limits of Agreement
 LoA
 Mann-Whitney Test
 Mean Comparison
 Mean Difference
 Mean Equality
 Mean Input
 Means
 Means Plots
 Measurement Error
 Median Confidence Interval
 Median Test
 Method Comparison
 Model Fitting
 Modified Levene's Test
 Multiple Comparison Tests
 Multivariate Analysis
 Multivariate T-Test
 Non-Inferiority
 Non-Inferiority Tests
 Nonparametric
 Nonparametric Tests
 Normality Tests
 Omnibus Normality Test
 One-Sample T-Test
 One-Sample T-Test for Equivalence
 One-Sample T-Test for Non-Inferiority
 One-Sample T-Test for Superiority by a Margin
 One-Way Analysis of Variance
 One-Way ANOVA
 Outliers
 Paired Difference
 Paired Means
 Paired T-Test
 Paired T-Test for Equivalence
 Paired T-Test for Non-Inferiority
 Paired T-Test for Superiority by a Margin
 Period Plots
 Power Transformation
 Probability Plots
 Profile Plots
 Quantile Test
 Randomization Test
 Rank-Sum Test
 Ratio of Standard Deviations
 Reliability
 Repeated Measures
 Repeated Measures Analysis of Variance
 Resampling Test
 Residual Plots
 Residuals
 Scatter Plots
 Schuirmann's Two One-Sided Tests
 SD Ratio
 Shapiro-Wilk Normality Test
 Sign Test
 Signed-Rank Test
 Simultaneous C.I.'s
 Skewness
 Skewness Normality Test
 Standard Deviation
 Standard Deviation Confidence Interval

NCSS Procedure and Topic List (Categorized)

Standard Deviation Ratio	Transformations - Power	Two-Sample T-Test for Non-Inferiority
Standard Error	Transformations to Normality	Two-Sample T-Test for Superiority by a Margin
Sum-Difference Plots	T-Test	Two-Sample T-Test from Means and SD's
Summary Statistics Input	T-Tests	Two-Treatment Cross-Over Analysis
Sums and Differences Plots	T-Tests - Aspin-Welch	Unequal-Variance T-Tests
Superiority by a Margin	T-Tests - Equivalence	Variance Equality Tests
Superiority by a Margin Tests	T-Tests - Non-Inferiority	Variance Ratio Equal-Variance Test
Superiority Tests	T-Tests - Paired	Variance Ratio Test
T2	T-Tests - Superiority	Variance Test
Testing Equivalence with Two Independent Samples	Two Means	Westlake's Confidence Interval
Testing Non-Inferiority with Two Independent Samples	Two Means - Confidence Interval	Wilcoxon Rank-Sum Test
Testing Superiority by a Margin with Two Independent Samples	Two Means Cross-Over	Wilcoxon Signed-Rank Test
TOST	Two-Level Design Analysis	Wilcoxon Test
TOST Equivalence Test	Two-Sample T-Test	Wilcoxon-Mann-Whitney Test
Transformations	Two-Sample T-Test - Equivalence	Z-Tests
Transformations - Box-Cox	Two-Sample T-Test - Non-Inferiority	
	Two-Sample T-Test - Superiority by a Margin	
	Two-Sample T-Test for Equivalence	

Two-Way Tables

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

Graphics

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

NCSS Procedure and Topic List (Categorized)

s Charts	Spline	Trend Plots
Scatter Diagram	Standard Deviation Charts	U Charts
Scatter Plot Matrix	Stem-and-Leaf Plots	Uniform Probability Plots
Scatter Plot Matrix for Curve Fitting	Stem-Leaf Plots	Violin Plots
Scatter Plots	Sunflower Plots	Weibull Probability Plots
Scatter Plots with Error Bars	Surface Plots	Wireframe Plots
Scatter Plots with Error Bars from Summary Data	Surface Plots - 3D	X-bar and R Charts
Sequence Plots	Survival Curves	X-bar and s Charts
Serial Correlation Plots	Survival Plots	Xbar Charts
Smoothed Histograms	Three-Dimensional Data Plots	X-bar Charts
Spectrum Plots	Time Series Plots	X-Y Plots
Spine Plots	Topographical Map	X-Y-Z Plots
	Treemap Plots	Y vs X Plots

Data

Bar Charts	Data Export to All Major Statistical Data File Formats	Imputing Data
Beta Distribution	Data Import from All Major Statistical Data File Formats	Incidence rates
Bimodal Data	Data Imputation	Interquartile Range
Binomial Distribution	Data List	IQR
Block Outlier Tests	Data Matching	Kaplan-Meier
Box-Cox Algorithm	Data Matching - Greedy	Kurtosis
Box-Cox for Linear Regression	Data Matching - Optimal	Kurtosis Normality Test
Box-Cox for Regression	Data Merge	Lambda
Box-Cox Plots	Data Report	Lambda vs. SD Plots
Box-Cox Power Transformation	Data Screening	Laplace Distribution
Box-Cox Transformation	Data Simulation	Levene's Equal Variance Test
Box-Cox Transformation for Simple Linear Regression	Data Stratification	Likert-Scale Data
Caliper Matching	Database Merge	Linear Regression - Box-Cox
Cauchy Distribution	Dataset Merge	List Data
Cluster Means	Descriptive Statistics	Logistic Distribution
Cluster Proportions	Descriptive Statistics - Summary Lists	Lognormal Distribution
Cluster Randomization	Descriptive Tables	MAD
Cluster Randomization - Create Cluster Means Dataset	Detecting Outliers	MADM
Cluster Randomization - Create Cluster Proportions Dataset	Distance	Mahalanobis Distance
Cluster Randomization - Create Cluster Rates Dataset	Distribution Simulation	Matching
Cluster Rates	ESD Outliers	Maximum
Cluster Survival	Exponential Distribution	Mean Absolute Deviation
COD	Extreme Studentized Deviate	Mean Absolute Deviation from the Median
Coefficient of Dispersion	Extreme Values	Means
Coefficient of Variation	F Distribution	Median
Combining Distributions	Forced Match	Merging Two Datasets
Confidence Interval	Gamma Distribution	Minimum
Constant Distribution	Generating Data	Missing Count
Contaminated Normal Distribution	Greedy Data Matching	Missing Value Estimation
Counts	Greedy Matching	Mixing Distributions
COV	Grubbs' Outlier Test	Model Fitting
CV	Grubbs' Test	Monte-Carlo Simulation
	Gumbel Distribution	Multinomial Distribution
	Histograms	Multivariate Normal Missing Value Estimation
	Imputation	Normal Distribution

NCSS Procedure and Topic List (Categorized)

Normality Plots	Regression	Summarize Clusters
Normality Tests	Rosner's Outlier Test	Summary Lists
Observational Study Matching	R-Squared	Summary Tables
Observational Study Stratification	Screening Data	Sums
Omnibus Normality Test	SD	Survival Analysis
One-Way Analysis of Variance	SE	Survival Rates
Optimal Data Matching	Shapiro-Wilk Normality Test	T Distribution
Optimal Matching	Show Data	Table of Means
Outlier Detection	Simple Linear Regression	Table of Proportions
Outlier Test	Simulate Data	Table of Rates
Outliers	Simulate Distribution	Tables - Descriptive
Percentiles	Simulation	Time Calculator
Poisson Distribution	Simulator	Transformations
Power Transformation	Skewed Distribution	Transformations - Box-Cox
Printing Data	Skewness	Transformations - Power
Probability Distribution Simulation	Skewness Normality Test	Transformations to Normality
Probability Plots	Snedecor's F Distribution	Tukey's Lambda Distribution
Propensity Score	Standard Deviation	Uniform Distribution
Propensity Score Matching	Standard Error	Variable Matching
Proportions	Strata	Variance
Quantiles	Stratification of Data	Variance Equality Tests
Random Numbers	Stratum	Variation
Range	Student's T Distribution	Weibull Distribution

Tools

Batch Execution	Exponential Distribution	Poisson Probability Calculator
Beta Distribution	F Distribution	Population Standard Deviation
Beta Probability Calculator	F Probability Calculator	Probability Calculator
Binomial Distribution	Gamma Distribution	Probability Calculator Distribution
Binomial Probability Calculator	Gamma Probability Calculator	Programming
Bivariate Normal Distribution	Hazard Rate	Proportions
Bivariate Normal Probability Calculator	Hazard Rate Conversion	Proportions Calculator
Calculator - Chi-Square	Hazard Ratio	Range
Calculator - Odds Ratio and Proportions	Hazard Ratio Conversion	S Distribution
Calculator - Probability	Hotelling's T2 Distribution	S Probability Calculator
Calculator - Standard Deviation	Hotelling's T2 Probability Calculator	Sample Standard Deviation
Calculator - Survival Parameters	Hypergeometric Distribution	Scripting Language
Chi-Square Distribution	Hypergeometric Probability Calculator	Scripts
Chi-Square Effect Size Calculator	Macro Command Center	Standard Deviation
Chi-Square Probability Calculator	Macros	Standard Deviation Calculator
Coefficient of Variation	Median Survival Time Conversion	Standard Deviation Confidence Limits
Contingency Table Calculator	Mortality Ratio Conversion	Standard Deviation Conversion
Contingency Tables	Multinomial Test	Standard Error
Correlation Coefficient Distribution	Negative Binomial Distribution	Studentized Range Distribution
Correlation Distribution	Negative Binomial Probability Calculator	Studentized Range Probability Calculator
Correlation Probability Calculator	Normal Distribution	Student's T Distribution
COV	Normal Probability Calculator	Student's T Probability Calculator
Cumulative Distribution	Odds Ratio	Survival Parameter Conversion Tool
Distribution	Odds Ratio and Proportions Calculator	Weibull Distribution
Effect Size Calculator	Percentiles	Weibull Probability Calculator
	Poisson Distribution	