

NCSS Procedure and Topic List (Categorized)

Analysis of Variance (ANOVA)

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

NCSS Procedure and Topic List (Categorized)

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

Appraisal

Additive Model	Appraisal Models	Candidate Properties
Adjusted R-Squared	Appraisal Ratio Studies	Central Moments
Adjustment	Assessment Models	COC
Analysis of Covariance	Autocorrelation Regression	Cochrane-Orcutt Procedure
Analysis of Variance	Autocorrelations	COD
ANCOVA	Autoregressive Error Model	Coefficient of Concentration
Anderson-Darling Normality	Average Absolute Percent	Coefficient of Dispersion
Test	Error	Coefficient of Price-Related
ANOVA	Bar Charts	Bias
AOV	Bootstrap Confidence Interval	Coefficient of Variation
Appraisal	Bootstrapping	Coefficients

NCSS Procedure and Topic List (Categorized)

Comparability	Euclidean Distance	Mean Absolute Deviation
Comparable Property	Feedback Model	Mean Absolute Deviation from the Median
Comparables	Fisher's g1	Means
Comparables Appraisal	Fisher's g2	Median
Confidence Band	Fisher's Z Transformation	Median Absolute Deviation from the Median
Confidence Interval	Forecasting	Median Absolute Percent Deviation from the Median
Cook's D	Forward Selection	M-Estimators
Cook's Distance	F-Test	Minimum
Correlation - Pearson	Geometric Mean	Minkowski Distance
Correlation - Spearman	Harmonic Mean	Missing Count
Correlation Coefficient	Hat Diagonal	Mode
Correlation Matrix	Hat Values	Model Fitting
Counts	Heteroscedasticity	Model Fitting for Appraisal
COV	Histograms	Moment
Covariance	Horizontal Equity	Multicollinearity
Cp	Hybrid Appraisal Models	Multiple Linear Regression
Curve Fitting	Influence	Multiple Regression
Custom Model	Interquartile Range	Multiple Regression - Basic
CV	IQR	Multiple Regression for Appraisal
D'Agostino Kurtosis Normality Test	Kolmogorov-Smirnov Test	Multiple Regression with Serial Correlation
D'Agostino Omnibus Normality Test	Kurtosis	Multiplicative Model
D'Agostino Skewness Normality Test	Kurtosis Normality Test	Nash's MRT Algorithm
Data Fitting	Lack-of-Fit Test	Nonlinear Regression
Descriptive Statistics	Least Squares	Nonparametric Tests
Descriptive Statistics - Summary Lists	Levenberg-Marquardt Nonlinear Least-Squares Algorithm	Normal Distribution
Descriptive Statistics - Summary Tables	Levene's Equal Variance Test	Normal Probability
Descriptive Tables	Lilliefors' Critical Values	Normal Probability Plots
DFBETA	Linear Regression	Normality Tests
DFFITs	Linear Regression and Correlation	OLS
Differential Evolution	Loess	Ordinary Least Squares
Dispersion	Lowess	Orthogonal Regression
Distance Metric	MAD	Outlier Detection
Distribution Statistics	MADM	Outliers
Durbin-Watson Test	Mallow's Cp	Partial Correlation
EDF	MAPDM	Partial Residual Plots
Eigenvalues	Market Value	Pearson Correlation
Eigenvectors	Martinez-Iglewicz Normality Test	Percentiles
Estimation of Property Values	Mass Appraisal	PRB
	Maximum	

NCSS Procedure and Topic List (Categorized)

PRD	Sales Ratio Study	Summary Lists
Predicted Values	Scatter Plots	Summary Tables
Prediction Limits	Screening Data	Sums
PRESS Statistics	SD	Table of Means
Price-Related Bias	SE	Tables - Descriptive
Price-Related Differential	Sequence Plots	Tests for Two-Factor Interactions
Probability Ellipse	Sequential Models	Time Series Plots
Probability Plots	Serial Correlation	Trimmed Mean
Property Valuation	Serial Correlation Plots	Trimmed Standard Deviation
Quartiles	Shapiro-Wilk Normality Test	Variance
Randomization Test	Similarity of Properties	Variance Inflation Factor
Range	Simple Linear Regression	Variance Test
Ratio study	Single Property Appraisal	Variation
Regression	Skewness	Vertical Equity
Regression Analysis	Skewness Normality Test	VIF
Regression for Appraisal	Slopes - Testing for Equal	Weighted Coefficient of Dispersion
Residual Plots	Spearman Correlation	Weighted Coefficient of Variation
Residuals	Spearman Rank Correlation	Working-Hotelling C.I. Band
R-Squared	Standard Deviation	Working-Hotelling Limits
RStudent Residuals	Standard Error	Yhat
Sale Date Adjustment	Stem-and-Leaf Plots	
Sale Price Adjustment	Stem-Leaf Plots	
Sales Comparison Approach	Subject Property	

Cluster Analysis

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

Ward's Minimum Variance
Linkage

Correlation

Adjusted R-Squared	Circular Statistics	Eigenvalues of a Correlation Matrix
Agreement	Circular Uniform Distribution	Eigenvector Plot
Alpha - Cronbach's	Circular Variance	Eigenvectors of a Correlation Matrix
Analysis of Variance	Coefficient Alpha	Equal-Variance Tests
Anderson-Darling Normality Test	Coefficient of Variation	Equivalence Tests
Angular Data Analysis	Coefficients	Fisher's Z Transformation
ANOVA	Concordance Coefficient	Forecasting
AOV	Concordance Correlation Coefficient	Hat Diagonal
Autocorrelations	Confidence Band	Hat Values
Average-Difference Plots	Confidence Interval	Heat Map of Correlations
Bartlett's Sphericity Test	Cook's D	Heteroscedasticity
Binary Correlation	Cook's Distance	Histograms
Biserial Correlation	Correlation	Influence
Bland-Altman	Correlation - Kendall's Tau	Item Analysis
Bland-Altman Plot and Analysis	Correlation - Pearson	Kendall's Tau Correlation
Bland-Altman Plots	Correlation - Point-Biserial	Kuiper's Test
Bootstrap Confidence Interval	Correlation - Spearman	Lack-of-Fit Test
Bootstrapping	Correlation Coefficient	Lambda
Box Plots	Correlation Confidence Interval	Levene's Equal Variance Test
Box-Cox Algorithm	Correlation Matrix	Likelihood Ratio Test
Box-Cox for Linear Regression	Correlations - Partial	Limits of Agreement
Box-Cox for Regression	COV	Linear Regression
Box-Cox Plots	Cox Test	Linear Regression - Box-Cox
Box-Cox Power Transformation	Cronbach's Alpha	Linear Regression and Correlation
Box-Cox Transformation	D'Agostino Kurtosis Normality Test	Lin's CCC
Box-Cox Transformation for Simple Linear Regression	D'Agostino Omnibus Normality Test	Lin's Concordance Correlation Coefficient
Brown-Forsythe Test	D'Agostino Skewness Normality Test	LoA
Canonical Correlation	DFBETA	Loess
CCC	DFFITs	Lowess
Circular Correlation	Diagnostic Tests	Mardia-Watson-Wheeler Uniform-Scores Test
Circular Data Correlation	Dichotomous Correlation	Mean Comparison
Circular Data Plots	Durbin-Watson Test	Mean Difference
Circular Dispersion		Mean Direction
Circular Histograms		

NCSS Procedure and Topic List (Categorized)

Mean Equality	Predicted Values	Simple Correlation Coefficient
Means	Prediction Limits	Simple Linear Correlation
Measurement Error	PRESS Statistics	Simple Linear Regression
Method Comparison	Principal Components of a Correlation Matrix	Spearman Correlation
Model Fitting	Probability Ellipse	Spearman Rank Correlation
Modified Kuiper's Test	Probability Plots	Standard Error
Multicollinearity	Product-Moment Correlation	Standardized Canonical Coefficients
Multivariate Analysis	Randomization Test	Transformations
Nonparametric Correlation	Rater Reliability	Transformations - Box-Cox
Nonparametric Tests	Rayleigh Test	Transformations - Power
Normality Plots	Regression	Transformations to Normality
Normality Tests	Reliability	Uniformity Test
Orthogonal Regression	Reproducibility	Variable-Variate Correlations
Outlier Detection	Residual Plots	Variance Test
Outliers	Residuals	Von Mises Distribution
Paired T-Test	Rose Plots	Watson and Williams Test
Partial Correlation	R-Squared	Watson Test
Pearson Correlation	RStudent Residuals	Watson-Williams F-Test
Plot of Eigenvectors	Sample Correlation Coefficient	Wilks' Lambda
Plot of Principal Components	Scatter Plots	Working-Hotelling C.I. Band
Point-Biserial and Biserial Correlations	Scores Plots	Working-Hotelling Limits
Point-Biserial Correlation	Serial Correlation	Yhat
Power Transformation	Serial Correlation Plots	
Precision Measure	Shapiro-Wilk Normality Test	

Curve Fitting

Age-Specific Reference Intervals	Curve Fitting Scatter Plot Matrix	General (Custom and Preset) Model Fit - Y vs One X
Beta CDF Fit	Curve Inequality Test	Gompertz Model Fit
Bleasdale-Nelder Model Fit	Draw Function	Goodness-of-Fit Tests
Bootstrap Confidence Interval	Enzyme Kinetics	Hill Model Fit
Bootstrap Confidence Intervals	Equation Plots	Holliday Model Fit
Bootstrap Prediction Intervals	Exponential Model Fit	Hyperbola
Bootstrapping	Farazdaghi-Harris Model Fit	Kinetics
CDF Curve Fitting	Fetal Size	Levenberg-Marquardt Nonlinear Least-Squares Algorithm
Centiles	Formula Plots	Linear Model Fit
Cubic Model Fit	Fractional Polynomial Regression - Y vs One X	Linear-Linear Model Fit
Curve Fitting	Fractional Polynomials	Linear-Linear-Linear Model Fit
Curve Fitting - CDF	Function Plots	Linear-Quadratic Model Fit
Curve Fitting Plots	Gamma CDF Fit	

NCSS Procedure and Topic List (Categorized)

Logarithmic Model Fit	Plots	Reference Intervals
Logistic CDF Fit	Polynomial Model Fit - Y vs Multiple X's	Reference Range
Logistic Model Fit	Polynomial Model Fit - Y vs One X	Regression
Lognormal CDF Fit	Polynomial Model Search - Y vs Multiple X's	Residual Plots
Log-Normal Model Fit	Polynomial Model Search - Y vs One X	Richards Model Fit
Michaelis-Menten Equation	Polynomial Ratio	R-Squared
Michaelis-Menten Model Fit	Polynomial Ratio Model Fit	Scatter Diagram
Michaelis-Menten Model Fit - Y vs One X	Polynomial Regression	Scatter Plot Matrix
Model Fitting	Polynomial Search	Scatter Plot Matrix for Curve Fitting
Model Searching	Power Model Fit	Scatter Plots
Monomolecular Model Fit	Predicted Values	Scattergraph
Morgan-Mercer-Floding Model Fit	Probability Plots	Shapiro-Wilk Normality Test
Multivariate Polynomial Ratio Fit	Quadratic Model Fit	Shinozaki and Kira Model Fit
Nash's MRT Algorithm	Quadratic-Linear Model Fit	Student's T CDF Fit
Nonlinear Models	Quadratic-Quadratic Model Fit	Sum of Exponentials Model Fit
Nonlinear Regression	Quantile Regression	Sum of Functions (of X) Model Fit - Y vs One X
Normal CDF Fit	Randomization Test	Sum of Functions Models
Normal Model Fit	Ratio of Polynomials	Tolerance Intervals
Normal Range	Ratio of Polynomials Fit	Triangle CDF Fit
Normality Test	Ratio of Polynomials Search	Uniform CDF Fit
Normality Tests	Reciprocal Model Fit	Weibull CDF Fit
Percentile Curve Fit	Reference Interval	Weibull Fitting
Percentiles		Weibull Model Fit

Descriptive Statistics

Adjusted Kappa Statistic	Beta Distribution	Central Moments
Anderson-Darling Normality Test	Bimodal Data	Chi-Square
Angular Data Analysis	Binomial Distribution	Chi-Square Test
Angular Transformation of Proportions	Block Outlier Tests	Circular Correlation
ArcSin Transformation	Bonferroni Multiple Comparisons of Proportions versus a Control	Circular Data Analysis
Area Under Curve	Box-Cox Algorithm	Circular Data Plots
Armitage Rank Correlation Test	Box-Cox Plots	Circular Dispersion
Association and Correlation Statistics	Box-Cox Power Transformation	Circular Histograms
AUC	Box-Cox Transformation	Circular Statistics
Bar Charts	Cauchy Distribution	Circular Uniform Distribution
	Cell Counts	Circular Variance
		Cluster Means
		Cluster Randomization

NCSS Procedure and Topic List (Categorized)

Cluster Randomization - Create Cluster Means Dataset	Descriptive Statistics - Summary Tables	Kolmogorov-Smirnov Normality Test
Cochran-Armitage Proportion Trend Test	Descriptive Tables	Kolmogorov-Smirnov Test
Cochran-Armitage Proportion Trend Test with Continuity Correction	Detecting Outliers	Kuiper's Test
COD	Dispersion	Kurtosis
Coefficient of Dispersion	Distribution Simulation	Kurtosis Normality Test
Coefficient of Variation	Distribution Statistics	Lambda
Column Percentages	Dunnett Multiple Comparisons of Proportions versus a Control	Lambda vs. SD Plots
Combining Distributions	EDF	Laplace Distribution
Confidence Interval	ESD Outliers	Likelihood Ratio Test
Constant Distribution	Exact Test	Likert-Scale Data
Contaminated Normal Distribution	Expected Counts	Lilliefors' Critical Values
Contingency Tables	Exponential Distribution	Logistic Distribution
Contingency Tables (Crosstabs / Chi-Square Test)	Extreme Studentized Deviate	Lognormal Distribution
Continuity Correction	Extreme Values	MAD
Correlation Statistics	F Distribution	MADM
Count Adjustment	Fisher's Exact Test	Many to one Multiple Comparisons of Proportions
Count Tables	Fisher's g1	Mardia-Watson-Wheeler Uniform-Scores Test
Counts	Fisher's g2	Martinez-Iglewicz Normality Test
COV	Frequency Tables	Maximum
Cox Test	Gamma	McNemar Test
Cramer's V	Gamma Distribution	Mean Absolute Deviation
Cross Tabulation	Generating Data	Mean Absolute Deviation from the Median
Crosstabs	Geometric Mean	Mean Direction
CV	Grubbs' Outlier Test	Means
D'Agostino Kurtosis Normality Test	Grubbs' Test	Median
D'Agostino Omnibus Normality Test	Gumbel Distribution	Minimum
D'Agostino Skewness Normality Test	Harmonic Mean	Missing Count
Data Imputation	Histograms	Missing Value Estimation
Data Plots	Imputation	Mixing Distributions
Data Screening	Imputing Data	Mode
Data Simulation	Independence Tests	Modified Kuiper's Test
Descriptive Statistics	Interquartile Range	Moment
Descriptive Statistics - Summary Lists	Inter-Rater Agreement (Kappa)	Monte-Carlo Simulation
	IQR	Multi-Group Concentration Homogeneity Test
	Kappa Reliability Test	Multinomial Distribution
	Kappa Statistic	Multinomial Test
	Kappa Test for Inter-Rater Agreement	Multiple Comparisons of Proportions
	Kendall's Tau	

NCSS Procedure and Topic List (Categorized)

Multiple Comparisons of Proportions versus a Control	Rosner's Outlier Test	Table Statistics
Multivariate Normal Missing Value Estimation	Row Percentages	Tables - Descriptive
Normal Distribution	Row-Column Independence Test	Test of Normality
Normal Probability	Score Test	Tolerance Intervals
Normal Probability Plots	Score Test Pairwise Multiple Comparisons of Proportions	Tolerance Limits
Normality Tests	Screening Data	Transformations
Omnibus Normality Test	SD	Transformations - Box-Cox
One-Sided Dunnett Multiple Comparisons of Proportions versus a Control	SE	Transformations - Power
Outlier Detection	Shapiro-Wilk Normality Test	Transformations to Normality
Outlier Test	Simulate Data	Trimmed Mean
Outliers	Simulate Distribution	Trimmed Standard Deviation
Paired T-Test	Simulation	Tschuprow's T
Pairwise Multiple Comparisons of Proportions	Simulator	Tukey-Kramer Pairwise Multiple Comparisons of Proportions
Pearson's Chi-Square Test	Simultaneous confidence intervals of the differences among several proportions	Tukey's Lambda Distribution
Pearson's Contingency Coefficient	Skewed Distribution	Two-Way Tables
Percentages	Skewness	Uniform Distribution
Percentiles	Skewness Normality Test	Uniformity Test
Phi	Snedecor's F Distribution	Variance
Plots	Standard Deviation	Variation
Poisson Distribution	Standard Error	Von Mises Distribution
Power Transformation	Standardized Residuals	Wald Ratio Multiple Comparisons of Proportions
Probability Distribution Simulation	Stem-and-Leaf Plots	Watson and Williams Test
Probability Plots	Stem-Leaf Plots	Watson Test
Proportion Trend Test	Stephens Test	Watson-Williams F-Test
Proportions	Studentized Range Distribution	Watson-Williams High Concentration F-Test
Proportions - Multiple Comparisons	Student's T Distribution	Weibull Distribution
Quartiles	Summarize Clusters	Weighted Kappa
Random Numbers	Summary Lists	Weighted Kappa Reliability Test
Range	Summary Tables	Weighted Kappa Statistic
Rayleigh Test	Sums	Weighted Kappa Test for Inter-Rater Agreement
Reliability	Symmetric Lambda	Yates' Continuity Corrected Chi-Square Test
Rose Plots	T Distribution	
	Table of Means	
	Table Percentages	

Design of Experiments

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

Diagnostic Tests

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

NCSS Procedure and Topic List (Categorized)

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

Distribution Fitting

Anderson-Darling Normality Test	D'Agostino Skewness Normality Test	Gamma Distribution Fitting
Arcsine Square Root Hazard	Descriptive Statistics	Gamma Plots
At-Risk Table	Detecting Outliers	Gamma Probability Plots
Beta Distribution Fitting	Differential Evolution	Greenwood's Formula
Beta Reliability Plots	Distribution (Weibull) Fitting	Grubbs' Outlier Test
Block Outlier Tests	Distribution Fitting	Grubbs' Test
Border Plots	Distribution Plots	Half-Normal Distribution
Box-Cox Power Transformation	Epanechnikov Kernel	Half-Normal Plots
Box-Cox Transformation	ESD Outliers	Half-Normal Probability Plots
Censoring	Exponential Distribution	Hazard Function
Chi-Square Distribution	Exponential Fit	Hazard Function Plots
Chi-Square Plots	Exponential Probability Plots	Hazard Rate
Chi-Square Probability Plots	Extreme Studentized Deviate	Hazard Rate Plots
Compare Probability Plots	Extreme Value Distribution	Histograms
Cumulative Hazard	Extreme Value Fit	Kaplan-Meier
D'Agostino Kurtosis Normality Test	Extreme Value Probability Plots	Kaplan-Meier Curves
D'Agostino Omnibus Normality Test	Extreme Values	Kolmogorov-Smirnov Normality Test
	Failure Distribution	Kolmogorov-Smirnov Test
	Gamma Distribution	Kurtosis
		Kurtosis Normality Test

NCSS Procedure and Topic List (Categorized)

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

Forecasting

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

NCSS Procedure and Topic List (Categorized)

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

Group-Sequential

Alpha Spending	Comparing a Proportion to a	Comparing Two Poisson Rates
Beta Spending	Null Proportion - Non-	- Superiority by a Margin -
Binding Futility Boundary	Inferiority - Group-	Group-Sequential
Boundary Plot	Sequential	Comparing Two Proportions -
Comparing a Hazard Rate to a	Comparing a Proportion to a	Group-Sequential
Null Hazard Rate - Group-	Null Proportion - Superiority	Comparing Two Proportions -
Sequential	by a Margin - Group-	Non-Inferiority - Group-
Comparing a Hazard Rate to a	Sequential	Sequential
Null Hazard Rate - Group-	Comparing Two Hazard Rates -	Comparing Two Proportions -
Sequential - Non-Inferiority	Group-Sequential	Superiority by a Margin -
Comparing a Hazard Rate to a	Comparing Two Hazard Rates -	Group-Sequential
Null Hazard Rate - Group-	Group-Sequential - Non-	Comparing Two Survival
Sequential - Superiority by a	Inferiority	Curves - Group-Sequential
Margin	Comparing Two Hazard Rates -	Comparing Two Survival
Comparing a Poisson Rate to a	Group-Sequential -	Curves - Group-Sequential -
Null Poisson Rate - Group-	Superiority by a Margin	Non-Inferiority
Sequential	Comparing Two Means -	Comparing Two Survival
Comparing a Poisson Rate to a	Group-Sequential	Curves - Group-Sequential -
Null Poisson Rate - Non-	Comparing Two Means - Non-	Superiority by a Margin
Inferiority - Group-	Inferiority - Group-	Conditional Power
Sequential	Sequential	Difference in Hazard Rates -
Comparing a Poisson Rate to a	Comparing Two Means -	Group-Sequential
Null Poisson Rate -	Superiority by a Margin -	Difference in Hazard Rates -
Superiority by a Margin -	Group-Sequential	Group-Sequential - Non-
Group-Sequential	Comparing Two Poisson Rates	Inferiority
Comparing a Proportion to a	- Group-Sequential	Difference in Hazard Rates -
Null Proportion - Group-	Comparing Two Poisson Rates	Group-Sequential -
Sequential	- Non-Inferiority - Group-	Superiority by a Margin
	Sequential	

NCSS Procedure and Topic List (Categorized)

Difference in Means - Group Sequential	Group-Sequential Analysis for Two Hazard Rates	Group-Sequential Design - One Survival Curve - Non-Inferiority
Difference in Means - Group-Sequential	Group-Sequential Analysis for Two Means with Known Variances	Group-Sequential Design - One Survival Curve - Superiority by a Margin
Difference in Means - Non-Inferiority - Group-Sequential	Group-Sequential Analysis for Two Poisson Rates	Group-Sequential Design - Two Hazard Rates
Difference in Means - Superiority by a Margin - Group-Sequential	Group-Sequential Analysis for Two Proportions	Group-Sequential Design - Two Hazard Rates - Non-Inferiority
Difference in Poisson Rates - Group-Sequential	Group-Sequential Design - Logrank Test	Group-Sequential Design - Two Hazard Rates - Superiority by a Margin
Difference in Poisson Rates - Non-Inferiority - Group-Sequential	Group-Sequential Design - One Hazard Rate	Group-Sequential Design - Two Means
Difference in Poisson Rates - Superiority by a Margin - Group-Sequential	Group-Sequential Design - One Hazard Rate - Non-Inferiority	Group-Sequential Design - Two Means - Non-Inferiority
Difference in Proportions - Group-Sequential	Group-Sequential Design - One Hazard Rate - Superiority by a Margin	Group-Sequential Design - Two Means - Superiority by a Margin
Difference in Proportions - Non-Inferiority - Group-Sequential	Group-Sequential Design - One Mean	Group-Sequential Design - Two Poisson Rates
Difference in Proportions - Superiority by a Margin - Group-Sequential	Group-Sequential Design - One Mean - Non-Inferiority	Group-Sequential Design - Two Poisson Rates - Non-Inferiority
Difference in Survival Curves - Group-Sequential	Group-Sequential Design - One Mean - Superiority by a Margin	Group-Sequential Design - Two Poisson Rates - Superiority by a Margin
Difference in Survival Curves - Group-Sequential - Non-Inferiority	Group-Sequential Design - One Poisson Rate	Group-Sequential Design - Two Proportions
Difference in Survival Curves - Group-Sequential - Superiority by a Margin	Group-Sequential Design - One Poisson Rate - Non-Inferiority	Group-Sequential Design - Two Proportions - Non-Inferiority
Efficacy Boundaries	Group-Sequential Design - One Poisson Rate - Superiority by a Margin	Group-Sequential Design - Two Proportions - Superiority by a Margin
Futility Boundaries	Group-Sequential Design - One Proportion	Group-Sequential Design - Two Survival Curves
Group-Sequential	Group-Sequential Design - One Proportion - Non-Inferiority	Group-Sequential Design - Two Survival Curves - Non-Inferiority
Group-Sequential Analysis for One Hazard Rate	Group-Sequential Design - One Proportion - Superiority by a Margin	Group-Sequential Design - Two Survival Curves - Superiority by a Margin
Group-Sequential Analysis for One Mean with Known Variance	Group-Sequential Design - One Survival Curve	
Group-Sequential Analysis for One Poisson Rate		
Group-Sequential Analysis for One Proportion		

NCSS Procedure and Topic List (Categorized)

Group-Sequential Non-Inferiority Analysis for One Hazard Rate	Group-Sequential Superiority by a Margin Analysis for Two Means with Known Variances	Group-Sequential Tests for Two Hazard Rates - Superiority by a Margin
Group-Sequential Non-Inferiority Analysis for One Mean with Known Variance	Group-Sequential Superiority by a Margin Analysis for Two Poisson Rates	Group-Sequential Tests for Two Means - Non-Inferiority
Group-Sequential Non-Inferiority Analysis for One Poisson Rate	Group-Sequential Superiority by a Margin Analysis for Two Proportions	Group-Sequential Tests for Two Means - Superiority by a Margin
Group-Sequential Non-Inferiority Analysis for One Proportion	Group-Sequential Superiority by a Margin T-Tests for One Mean	Group-Sequential Tests for Two Survival Curves
Group-Sequential Non-Inferiority Analysis for Two Hazard Rates	Group-Sequential Superiority by a Margin T-Tests for Two Means	Group-Sequential Tests for Two Survival Curves - Non-Inferiority
Group-Sequential Non-Inferiority Analysis for Two Means with Known Variances	Group-Sequential Tests	Group-Sequential Tests for Two Survival Curves - Superiority by a Margin
Group-Sequential Non-Inferiority Analysis for Two Poisson Rates	Group-Sequential Tests for Logrank Tests	Group-Sequential T-Test
Group-Sequential Non-Inferiority Analysis for Two Proportions	Group-Sequential Tests for One Hazard Rate	Group-Sequential T-Test - Non-Inferiority
Group-Sequential Non-Inferiority T-Tests for One Mean	Group-Sequential Tests for One Hazard Rate - Non-Inferiority	Group-Sequential T-Test - Superiority by a Margin
Group-Sequential Non-Inferiority T-Tests for Two Means	Group-Sequential Tests for One Hazard Rate - Superiority by a Margin	Group-Sequential T-Tests for One Mean
Group-Sequential Superiority by a Margin Analysis for One Hazard Rate	Group-Sequential Tests for One Mean	Group-Sequential T-Tests for Two Means
Group-Sequential Superiority by a Margin Analysis for One Mean with Known Variance	Group-Sequential Tests for One Mean - Non-Inferiority	Hazard Rate Group-Sequential
Group-Sequential Superiority by a Margin Analysis for One Poisson Rate	Group-Sequential Tests for One Mean - Superiority by a Margin	Hazard Rate Group-Sequential - Non-Inferiority
Group-Sequential Superiority by a Margin Analysis for One Proportion	Group-Sequential Tests for One Survival Curve	Hazard Rate Group-Sequential - Superiority by a Margin
Group-Sequential Superiority by a Margin Analysis for Two Hazard Rates	Group-Sequential Tests for Two Hazard Rates	Hazard Rates Group-Sequential
	Group-Sequential Tests for Two Hazard Rates - Non-Inferiority	Hazard Rates Group-Sequential - Non-Inferiority
		Hazard Rates Group-Sequential - Superiority by a Margin
		Hazard Rates One Group-Sequential
		Hazard Rates One Group-Sequential - Non-Inferiority
		Hazard Rates One Group-Sequential - Superiority by a Margin
		Hazard Rates Two Group-Sequential

NCSS Procedure and Topic List (Categorized)

Hazard Rates Two Group- Sequential - Non-Inferiority	Interim Analysis - Two Means	Means Two - Superiority by a Margin - Group-Sequential
Hazard Rates Two Group- Sequential - Superiority by a Margin	Interim Analysis - Two Means - Non-Inferiority	Non-Binding Futility Boundary
Interim Analysis - Logrank Test	Interim Analysis - Two Means - Superiority by a Margin	One Hazard Rate - Group- Sequential
Interim Analysis - One Hazard Rate	Interim Analysis - Two Poisson Rates	One Hazard Rate - Group- Sequential - Non-Inferiority
Interim Analysis - One Hazard Rate - Non-Inferiority	Interim Analysis - Two Poisson Rates - Non-Inferiority	One Hazard Rate - Group- Sequential - Superiority by a Margin
Interim Analysis - One Hazard Rate - Superiority by a Margin	Interim Analysis - Two Poisson Rates - Superiority by a Margin	One Hazard Rate Group Sequential
Interim Analysis - One Mean	Interim Analysis - Two Proportions	One Hazard Rate Group Sequential - Non-Inferiority
Interim Analysis - One Mean - Non-Inferiority	Interim Analysis - Two Proportions - Non-Inferiority	One Hazard Rate Group Sequential - Superiority by a Margin
Interim Analysis - One Mean - Superiority by a Margin	Interim Analysis - Two Proportions - Superiority by a Margin	One Mean - Group-Sequential
Interim Analysis - One Poisson Rate	Interim Analysis - Two Survival Curves	One Mean - Non-Inferiority - Group-Sequential
Interim Analysis - One Poisson Rate - Non-Inferiority	Interim Analysis - Two Survival Curves - Non-Inferiority	One Mean - Superiority by a Margin - Group-Sequential
Interim Analysis - One Poisson Rate - Superiority by a Margin	Interim Analysis - Two Survival Curves - Superiority by a Margin	One Poisson Rate - Group- Sequential
Interim Analysis - One Proportion	Logrank Test - Group- Sequential	One Poisson Rate - Non- Inferiority - Group- Sequential
Interim Analysis - One Proportion - Non-Inferiority	Means - Group-Sequential	One Poisson Rate - Superiority by a Margin - Group- Sequential
Interim Analysis - One Proportion - Superiority by a Margin	Means - Non-Inferiority - Group-Sequential	One Proportion - Group- Sequential
Interim Analysis - One Survival Curve	Means - One - Group- Sequential	One Proportion - Non- Inferiority - Group- Sequential
Interim Analysis - One Survival Curve - Non-Inferiority	Means - One - Non-Inferiority - Group-Sequential	One Proportion - Superiority by a Margin - Group- Sequential
Interim Analysis - One Survival Curve - Superiority by a Margin	Means - One - Superiority by a Margin - Group-Sequential	One Survival Curve - Group- Sequential
Interim Analysis - Two Hazard Rates	Means - Superiority by a Margin - Group-Sequential	One Survival Curve - Group- Sequential - Non-Inferiority
Interim Analysis - Two Hazard Rates - Non-Inferiority	Means One - Non-Inferiority - Group-Sequential	One Survival Curve - Group- Sequential - Superiority by a Margin
Interim Analysis - Two Hazard Rates - Superiority by a Margin	Means One - Superiority by a Margin - Group-Sequential	
	Means Two - Non-Inferiority - Group-Sequential	

NCSS Procedure and Topic List (Categorized)

One Survival Curve Group Sequential	T-Test - One Mean	Two Means - Superiority by a Margin - Group-Sequential
One Survival Curve Group Sequential - Non-Inferiority	T-Test - One Mean - Non-Inferiority	Two Poisson Rates - Group-Sequential
One Survival Curve Group Sequential - Superiority by a Margin	T-Test - One Mean - Superiority by a Margin	Two Poisson Rates - Non-Inferiority - Group-Sequential
Predictive Power	T-Test - Two Means	Two Poisson Rates - Superiority by a Margin - Group-Sequential
Re-estimation of Sample Size	T-Test - Two Means - Non-Inferiority	Two Proportions - Group-Sequential
Reliability	T-Test - Two Means - Superiority by a Margin	Two Proportions - Non-Inferiority - Group-Sequential
Sample Size Re-estimation	Two Hazard Rates - Group-Sequential	Two Proportions - Superiority by a Margin - Group-Sequential
Spending Functions	Two Hazard Rates - Group-Sequential - Non-Inferiority	Two Survival Curves - Group-Sequential
Survival Curves One Group-Sequential	Two Hazard Rates - Group-Sequential - Superiority by a Margin	Two Survival Curves - Group-Sequential - Non-Inferiority
Survival Curves One Group-Sequential - Non-Inferiority	Two Hazard Rates Group Sequential	Two Survival Curves - Group-Sequential - Superiority by a Margin
Survival Curves One Group-Sequential - Superiority by a Margin	Two Hazard Rates Group Sequential - Non-Inferiority	Two Survival Curves Group Sequential
Survival Curves Two Group-Sequential	Two Hazard Rates Group Sequential - Superiority by a Margin	Two Survival Curves Group Sequential - Non-Inferiority
Survival Curves Two Group-Sequential - Non-Inferiority	Two Means - Group Sequential	Two Survival Curves Group Sequential - Superiority by a Margin
Survival Curves Two Group-Sequential - Superiority by a Margin	Two Means - Group-Sequential	
Survival Group-Sequential	Two Means - Non-Inferiority - Group Sequential	
Survival Group-Sequential - Non-Inferiority	Two Means - Non-Inferiority - Group-Sequential	
Survival Group-Sequential - Superiority by a Margin	Two Means - Superiority by a Margin - Group Sequential	
T-Test		
T-Test - Non-Inferiority		

Item Analysis

Alpha - Cronbach's	Item Analysis	Multivariate Analysis
Coefficient Alpha	Item Response Analysis	Reliability
Cronbach's Alpha	Item Response Plots	

Meta-Analysis

Between-Study Variation	Knapp-Hartung Adjustment	Proportion Difference
Cochran's Q Test	L'Abbe Plots	Proportion Ratio
Combining Studies	Mantel-Haenszel	Proportions
Correlated Proportions	Means	Proportions Meta-Analysis
Dataset - Sutton22	Meta-Analysis	Proportions Tests
DerSimonian and Laird Estimate	Meta-Analysis of Correlated Proportions	Q Test
Difference	Meta-Analysis of Hazard Ratios	Q-profile
Difference of Two proportions	Meta-Analysis of Means (Old Version)	Radial Plots
Effect-Equality Test	Meta-Analysis of Proportions	Random Effects Models
Fixed Effects Models	Meta-Analysis of Proportions (Old Version)	Ratio of Two Proportions
Forest Plots	Meta-Analysis of Standardized Mean Differences	Relative Risk
Funnel Plots	Meta-Analysis of Two Means	Risk Difference
H Index	Meta-Analysis of Two Proportions	Risk Ratio
H2 Index	Odds Ratio	Standardized Difference
Hartung-Knapp Adjustment	Paule and Mandel Estimate	Standardized Mean Difference
Hazard Ratio	Peto	Sutton22 Dataset
Heterogeneity Test	Pooled Variance	Tau-Square
I2 Index		T-Tests
Inconsistency Index (I2)		Withing-Study Variation
Inverse Variance		Zero-Effect Test

Method Comparison

Agreement	Concordance Correlation Coefficient	Errors-in-Variables Regression
Anderson-Darling Normality Test	Correlation Coefficient	ESD Outliers
Average-Difference Plots	CUSUM Test	Extreme Studentized Deviate
Bablok Regression	D'Agostino Kurtosis Normality Test	Extreme Values
Bland-Altman	D'Agostino Omnibus Normality Test	Grubbs' Outlier Test
Bland-Altman Plot and Analysis	D'Agostino Skewness Normality Test	Grubbs' Test
Bland-Altman Plots	Deming Regression	Histograms
Block Outlier Tests	Descriptive Statistics	Jackknife Standard Error Estimation
Box-Cox Power Transformation	Detecting Outliers	Kendall's Tau Correlation
Box-Cox Transformation	Diagnostic Tests	Kolmogorov-Smirnov Normality Test
CCC	Difference vs. Average Plots	Kolmogorov-Smirnov Test
Concordance Coefficient	Equivalence Tests	Kurtosis
		Kurtosis Normality Test
		Limits of Agreement

NCSS Procedure and Topic List (Categorized)

Lin's CCC	Normality Tests	Rater Reliability
Lin's Concordance Correlation Coefficient	Omnibus Normality Test	Reliability
LoA	Orthogonal Regression	Reproducibility
Martinez-Iglewicz Normality Test	Outlier Detection	Residual Plots
Mean Comparison	Outlier Test	Robust Regression
Mean Difference	Outliers	Rosner's Outlier Test
Mean Equality	Paired t-test	Scatter Plots
Means	Passing Bablok Regression	Shapiro-Wilk Normality Test
Measurement Error	Passing Regression	Simple Deming Regression
Method Comparison	Passing-Bablok Regression for Method Comparison	Skewness
Normal Distribution	Precision Measure	Skewness Normality Test
Normal Probability	Probability Plots	Test of Normality
Normal Probability Plots	Proportional Errors	Weighted Deming Regression
	Rank Regression	

Mixed Models

AIC	Heterogenous Variances	R Matrix
Akaike Information Criterion	Hierarchical Regression	Random Coefficients Models
Analysis of Covariance	Kenward and Roger Method	Random Effects Models
Analysis of Variance	L Matrix	Random Models
ANCOVA	Linear Mixed Model	Randomized Complete Block Design Analysis
ANOVA	Longitudinal Data Analysis	REML
AOV	Means Plots	Repeated Measures
Between Factors	MIVQUE	Repeated Measures Analysis of Variance
Bonferroni Adjustment	Mixed Models	Repeated Measures Design Analysis
Compound Symmetry	Mixed Models - General	Restricted Maximum Likelihood
Covariance Pattern	Mixed Models - No Repeated Measures	Split-Plot Design Analysis
Covariates	Mixed Models - Random Coefficients	Subject Plots
Cross-Over Analysis	Mixed Models - Repeated Measures	T-Tests
Cross-Over Design Analysis	Model Fitting	Unequal Variances Tests
Differential Evolution	Multiple Comparison Tests	Variance-Covariance Matrix
Factorial Mixed Models	Newton-Raphson	Within Factors
Fisher Scoring	Paired Comparisons	
Fixed Effects Models	Planned Comparisons	
F-Test		
G Matrix		
Hessian Matrix		

Multivariate Analysis

Association - Partial and Marginal	FT-SR	Non-Metric Multidimensional Scaling
Bartlett's Sphericity Test	Gleason-Staelin Redundancy Measure	Outliers
Bartlett's Test	Goodness-of-Fit Tests	Paired T-Test
Bonferroni C.I.'s	Heat Map	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		
Freeman-Tukey Standardized Residual		

Nondetects Data

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

Nonparametric

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

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 Network	Tableau
Greedy Algorithm	Network Flow	Transportation
Integer Programming	Objective Function	Transportation Algorithm
Linear Programming	Operations Research	Transshipment
Linear Programming with Bounds	Optimal RHS	Tree
Linear Programming with Tableau		

Proportions

2x2 Table	Blackwelder-Nam Confidence Interval	Cluster Survival
Absolute Risk	Bonferroni Multiple Comparisons of Proportions versus a Control	Cochran-Armitage Proportion Trend Test
Adjusted Kappa Statistic	Bootstrap Confidence Interval	Cochran-Armitage Proportion Trend Test with Continuity Correction
Alpha Spending	Bootstrapping	Cochran's Q Test
Angular Transformation of Proportions	Boundary Plot	Column Percentages
ArcSin Transformation	Cell Counts	Combining Studies
Armitage Rank Correlation Test	Chen's Quasi-Exact Confidence Interval	Comparing a Proportion to a Null Proportion - Group-Sequential
Association - Partial and Marginal	Chi-Square	Comparing a Proportion to a Null Proportion - Non-Inferiority - Group-Sequential
Association and Correlation Statistics	Chi-Square Test	Comparing a Proportion to a Null Proportion - Superiority by a Margin - Group-Sequential
Bar Charts	Cluster Proportions	Comparing Two Proportions - Group-Sequential
Barnard Exact Test	Cluster Randomization	
Beta Spending	Cluster Randomization - Create Cluster Proportions Dataset	
Between-Study Variation	Cluster Randomization - Create Cluster Rates Dataset	
Binding Futility Boundary	Cluster Rates	
Binomial Test		
Binomial Test of Odds Ratio		
Blackwelder Test		

NCSS Procedure and Topic List (Categorized)

Comparing Two Proportions - Non-Inferiority - Group-Sequential	Dunnett Multiple Comparisons of Proportions versus a Control	Group-Sequential Design - Two Proportions
Comparing Two Proportions - Superiority by a Margin - Group-Sequential	Effect-Equality Test	Group-Sequential Design - Two Proportions - Non-Inferiority
Conditional Exact Confidence Interval - Odds Ratio	Efficacy Boundaries	Group-Sequential Design - Two Proportions - Superiority by a Margin
Conditional Mantel-Haenszel Test	Equivalence Tests	Group-Sequential Non-Inferiority Analysis for One Proportion
Conditional Power	Equivalence Tests using TOST	Group-Sequential Non-Inferiority Analysis for Two Proportions
Confidence Interval	Exact Binomial Test	Group-Sequential Superiority by a Margin Analysis for One Proportion
Confidence Interval for One Proportion	Exact Conditional Confidence Interval	Group-Sequential Superiority by a Margin Analysis for Two Proportions
Confidence Interval for Proportions	Exact Confidence Interval	H Index
Contingency Tables	Exact Test	H2 Index
Contingency Tables (Crosstabs / Chi-Square Test)	Expected Counts	Hartung-Knapp Adjustment
Continuity Correction	Farrington-Manning Score	Heterogeneity Test
Correlated Proportions	Fisher Conditional Exact Test	Hierarchical Models
Correlation Statistics	Fisher's Exact Test	I2 Index
Count Adjustment	Fixed Effects Models	Incidence rates
Count Tables	Fleiss Confidence Interval	Inconsistency Index (I2)
Counts	Forest Plots	Independence Tests
Cramer's V	Freeman-Tukey Standardized Residual	Interim Analysis - One Proportion
Cross Tabulation	Frequencies	Interim Analysis - One Proportion - Non-Inferiority
Crosstabs	Frequency Tables	Interim Analysis - One Proportion - Superiority by a Margin
Dataset - Sutton22	FT-SR	Interim Analysis - Two Proportions
DerSimonian and Laird Estimate	Funnel Plots	Interim Analysis - Two Proportions - Non-Inferiority
Descriptive Statistics	Futility Boundaries	Interim Analysis - Two Proportions - Superiority by a Margin
Descriptive Tables	Gamma	Inter-Rater Agreement (Kappa)
Difference in Proportions	Gart-Nam Score	Inverse Variance
Difference in Proportions - Group-Sequential	Goodness-of-Fit Tests	
Difference in Proportions - Non-Inferiority - Group-Sequential	Group-Sequential Analysis for One Proportion	
Difference in Proportions - Superiority by a Margin - Group-Sequential	Group-Sequential Analysis for Two Proportions	
Difference of Two proportions	Group-Sequential Design - One Proportion	
	Group-Sequential Design - One Proportion - Non-Inferiority	
	Group-Sequential Design - One Proportion - Superiority by a Margin	

NCSS Procedure and Topic List (Categorized)

Kappa Reliability Test	Non-Inferiority	Proportions
Kappa Statistic	Non-Inferiority Tests	Proportions - Multiple Comparisons
Kappa Test for Inter-Rater Agreement	Nonparametric	Proportions - Two
Katz Logarithm Confidence Interval	Nonparametric Tests	Proportions Meta-Analysis
Kendall's Tau	Number Needed to Treat	Proportions Tests
Knapp-Hartung Adjustment	Odds Ratio	Q Test
L'Abbe Plots	One Proportion	Q-profile
Lambda	One Proportion - Equivalence Tests	Radial Plots
Likelihood Ratio Test	One Proportion - Group-Sequential	Random Effects Models
LLM	One Proportion - Non-Inferiority - Group-Sequential	Ratio of Proportions
Loglinear Models	One Proportion - Non-Inferiority Tests	Ratio of Two Proportions
Mantel-Haenszel	One Proportion - Superiority by a Margin - Group-Sequential	Re-estimation of Sample Size
Mantel-Haenszel Confidence Intervals	One Proportion - Superiority by a Margin Tests	Relative Risk
Mantel-Haenszel Test	One Proportion Tests	Relative Risk Reduction
Many to one Multiple Comparisons of Proportions	One-Sided Dunnett Multiple Comparisons of Proportions versus a Control	Reliability
Marginal Association	Paired Proportions	Risk Difference
McNemar Test	Paired T-Test	Risk Ratio
Meta-Analysis	Pairwise Multiple Comparisons of Proportions	Risk Reduction
Meta-Analysis of Correlated Proportions	Partial Association	Robins Confidence Interval
Meta-Analysis of Proportions	Paule and Mandel Estimate	Row Percentages
Meta-Analysis of Two Proportions	Pearson Chi-square	Row-Column Independence Test
Miettinen-Nurminen Score	Pearson Conditional Exact Test	Sample Size Re-estimation
Minimum Required Difference	Pearson's Chi-Square Test	Score
Multinomial Test	Pearson's Contingency Coefficient	Score Test Pairwise Multiple Comparisons of Proportions
Multiple Comparison Tests	Percentages	Score Tests
Multiple Comparisons of Proportions	Peto	SD
Multiple Comparisons of Proportions versus a Control	Phi	Simultaneous confidence intervals of the differences among several proportions
Multiway Frequency Analysis	Predictive Power	Spending Functions
Nam Equivalence Test	Proportion - One	Standard Deviation
Nam Score Confidence Interval	Proportion Difference	Standardized Residuals
Nam Score Test	Proportion Ratio	Studentized Range Distribution
Nam-Blackwelder Confidence Interval	Proportion Trend Test	Summarize Clusters
Nam-Blackwelder Test		Summary Lists
Non-Binding Futility Boundary		Summary Tables
		Sums
		Superiority by a Margin
		Superiority by a Margin Tests
		Superiority Tests

NCSS Procedure and Topic List (Categorized)

Survival Rates	Two Proportions	Wald Test
Sutton22 Dataset	Two Proportions - Equivalence Tests	Wald test of difference
Symmetric Lambda	Two Proportions - Group-Sequential	Wald Z Confidence interval
Table of Proportions	Two Proportions - Non-Inferiority - Group-Sequential	Wald Z Continuity Correction
Table of Rates	Two Proportions - Non-Inferiority Tests	Wald Z Test
Table Percentages	Two Proportions - Superiority by a Margin - Group-Sequential	Walters Confidence Interval
Table Statistics	Two Proportions - Superiority by a Margin Tests	Weighted Kappa
Tables - Descriptive	Two Proportions - Two-Sided Tests vs a Margin	Weighted Kappa Reliability Test
Tau-Square	Two-by-Two Tables	Weighted Kappa Statistic
TOST	Two-sided Tests vs. a Margin	Weighted Kappa Test for Inter-Rater Agreement
TOST Equivalence Test	Two-Way Tables	Wilson Score
Tschuprow's T	Unconditional Exact	Wilson Score Confidence Interval
Tukey-Kramer Pairwise Multiple Comparisons of Proportions	Farrington-Manning Score Test	Withing-Study Variation
Two Correlated Proportions	Wald Confidence Interval	Woolf's Confidence Interval
Two Correlated Proportions - Equivalence Tests	Wald Ratio Multiple Comparisons of Proportions	Woolf's Confidence Limits
Two Correlated Proportions - Non-Inferiority Tests		Woolf's Odds Ratio Analysis
Two Correlated Proportions - Superiority by a Margin Tests		Yates' Continuity Corrected Chi-Square Test
Two Correlated Proportions (McNemar Test)		Zero-Effect Test
		Z-Tests

Quality Control

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

NCSS Procedure and Topic List (Categorized)

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

Reference Intervals

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

Regression

2SLS	ANOVA	Bonferroni Test
Accelerated Testing	Anscombe Residuals	Bootstrap Confidence Interval
Adjusted R-Squared	AOV	Bootstrap Confidence Intervals
AIC	Autocorrelation Regression	Bootstrap Prediction Intervals
Akaike Information Criterion	Autocorrelations	Bootstrapping
All Possible Regressions	Autoregressive Error Model	Box-Cox Algorithm
All Possible Subsets	Average Absolute Percent Error	Box-Cox for Linear Regression
Amplitude	Bablok Regression	Box-Cox for Regression
Analysis of Covariance	Backward Selection	Box-Cox Plots
Analysis of Covariance (ANCOVA) with Two Groups	Backward-Step Regression	Box-Cox Power Transformation
Analysis of Deviance	Beta CDF Fit	Box-Cox Transformation
Analysis of Variance	Beta Trace	Box-Cox Transformation for Simple Linear Regression
ANCOVA	Beta Trace Plots	Breslow Ties
Anderson-Darling Normality Test	Binary Response	Canonical Coefficients
Andrews' Sine	Bleasdale-Nelder Model Fit	
	Bonferroni	

NCSS Procedure and Topic List (Categorized)

Canonical Scores	Curve Inequality Test	Estimation of Property Values
Canonical Scores Plots	Custom Model	Exogenous Variables
Canonical Variates	CUSUM Test	Exponential Error Regression
Case-Control	Cycle Regression	Exponential Model Fit
CDF Curve Fitting	Cycles	Exponential Regression
Censored Regression	Cyclical Regression	Extreme Value Error
Censoring	D'Agostino Kurtosis Normality Test	Regression
Change in Deviance Test	D'Agostino Omnibus Normality Test	Factorial Design Analysis
Chi-Square	D'Agostino Skewness Normality Test	Farazdaghi-Harris Model Fit
Chi-Square Test	Data Fitting	Fisher's LSD Test
Cochrane-Orcutt Procedure	Deming Regression	Fisher's Z Transformation
Coefficient of Variation	Descriptive Statistics	Fixed Factor
Coefficients	Deviance Residuals	Forecasting
Comparing Two Means	Deviance Test	Forward Selection
Conditional Logistic Regression	DFBETA	Forward-Step Regression
Confidence Band	DFCHI2	Fourier Series
Confidence Interval	DFDEV	Fractional Polynomial Regression - Y vs One X
Contour Plots	DFFITS	Fractional Polynomials
Cook's D	Difference vs. Average Plots	Frequencies
Cook's Distance	Discriminant Analysis	F-Test
Correlation - Pearson	Dispersion Alpha	Function Plots
Correlation - Spearman	Dispersion Phi	G Statistic Test
Correlation Coefficient	Dose	Gamma CDF Fit
Correlation Matrix	Dose-Response	General (Custom and Preset) Model Fit - Y vs One X
Cosines	Dose-Response Plots	General Linear Models (GLM)
Counts	Dunnett's Confidence Intervals	General Linear Models (GLM) for Fixed Factors
Counts Regression	Dunnett's Test vs. a Control	Geometric Regression
COV	Durbin-Watson Test	GLM
Covariance	Econometrics	Gompertz Model Fit
Covariance Analysis	Efron Ties	Goodness-of-Fit Tests
Cox Proportional Hazards Regression	Eigenvalues	Group Comparison Plots
Cox Regression	Eigenvectors	Harmonic Regression
Cox-Snell Residuals	Endogeneity	Hat Diagonal
Cp	Endogenous Variables	Hat Values
Cp Plots	Enzyme Kinetics	Hat vs. Row Plots
Cubic Model Fit	Equal Variance Tests	Hausmans Test
Cumulative Hazard	Equivalence	Hazard Function
Cumulative Survival	Equivalence Tests	Hazard Function Plots
Curve Fitting	Equivalence Tests using TOST	Hazard Rate
Curve Fitting - CDF	Errors-in-Variables Regression	Hazard Ratio
Curve Fitting Plots		

NCSS Procedure and Topic List (Categorized)

Heteroscedasticity	Loess	Multicollinearity
Hierarchical Forward Selection	Logarithmic Model Fit	Multinomial Logistic Regression
Hierarchical Models	Logistic CDF Fit	Multiple Comparison Tests
Hierarchical Regression	Logistic Error Regression	Multiple Comparisons Plots
Hierarchical Subset Search	Logistic Model Fit	Multiple Linear Regression
Hill Model Fit	Logistic Regression	Multiple Regression
Histograms	Logit	Multiple Regression - Basic
Holliday Model Fit	Log-Logistic Error Regression	Multiple Regression for Appraisal
Honest Significant Difference	Log-Logistic Regression	Multiple Regression with Serial Correlation
Huber's Method	Lognormal CDF Fit	Multiple-Group Logistic Regression
Hyperbola	Log-Normal Distribution	Multisample Test
Incidence Plots	Log-Normal Error Regression	Multivariate Analysis
Incidence Rate	Log-Normal Model Fit	Multivariate Polynomial Ratio Fit
Influence	Log-Normal Regression	Multivariate Regression
Instrument Variables	Lowess	Multivariate Variable Selection
Instrumental Variables	Mallow's Cp	Nash's MRT Algorithm
Jackknife Standard Error Estimation	Mallow's Cp	Negative Binomial Regression
K Analysis	Martingale Residuals	Nominal Logistic Regression
Kendall's Tau Correlation	Mass Appraisal	Nondetects Analysis
Kinetics	Matched	Nondetects-Data Regression
Kurtosis Normality Test	McHenry's Select Algorithm	Non-Inferiority
Lack-of-Fit Test	Means	Non-Inferiority Tests
Lambda	Means Plots	Nonlinear Models
Least Squares	Measurement Error	Nonlinear Regression
Levenberg-Marquardt	Median-Slope Regression	Nonparametric Tests
Nonlinear Least-Squares Algorithm	Mediation Analysis	Normal CDF Fit
Levene's Equal Variance Test	Mediation Regression	Normal Error Regression
Likelihood Ratio Test	M-Estimators	Normal Model Fit
Linear Discriminant Function	Method Comparison	Normal Range
Linear Discriminant Scores	Michaelis-Menten Equation	Normal Regression
Linear Discriminant Scores Plots	Michaelis-Menten Model Fit	Normality Plots
Linear Model Fit	Michaelis-Menten Model Fit - Y vs One X	Normality Test
Linear Regression	Min MSE	Normality Tests
Linear Regression - Box-Cox	Min RMSE	OLS
Linear Regression and Correlation	Minimum MSE	One-Way Analysis of Covariance (ANCOVA)
Linear-Linear Model Fit	Minimum RMSE	One-Way Analysis of Variance
Linear-Linear-Linear Model Fit	Model Fitting	One-Way ANOVA
Linear-Logistic Model	Model Fitting for Appraisal	Ordinary Least Squares
Linear-Quadratic Model Fit	Model Searching	
	Monomolecular Model Fit	
	Morgan-Mercer-Floding Model Fit	

NCSS Procedure and Topic List (Categorized)

Orthogonal Regression	Prob Correct vs. Cutoff Plots	Robust Residuals
Outlier Detection	Probability Ellipse	Robust Weight
Outliers	Probability Plots	ROC Curves
Overdispersion	Probit Analysis	Root MSE
Paired Comparisons	Probit Plots	Root MSE Plots
Paired t-test	Property Valuation	R-Squared
Parametric Survival (Weibull) Regression	Proportional Errors	R-Squared Plots
Parametric Survival Regression	Proportional Hazards Regression	RStudent Residuals
Partial Correlation	Quadratic Model Fit	Scaled Schoenfeld's Residuals
Partial Residual Plots	Quadratic-Linear Model Fit	Scatter Plots
Passing Bablok Regression	Quadratic-Quadratic Model Fit	Scheffe's Test
Passing Regression	Quantile Regression	Schoenfeld's Residuals
Passing-Bablok Regression for Method Comparison	Randomization Test	Schoenfeld's Residuals Plots
PC Regression	Rank Regression	Scores Plots
Pearson Correlation	Ratio of Polynomials	Sequence Plots
Pearson Residuals	Ratio of Polynomials Fit	Sequential Models
Pearson Test	Ratio of Polynomials Search	Serial Correlation
Percentile Curve Fit	Reciprocal Model Fit	Serial Correlation Plots
Periodic Regression	Reference Interval	Shapiro-Wilk Normality Test
Poisson Distribution	Reference Range	Shinozaki and Kira Model Fit
Poisson Regression	Regression	Sidak Test
Poisson-Gamma Regression	Regression Analysis	Simple Deming Regression
Polynomial Model Fit - Y vs Multiple X's	Regression Coefficients	Simple Linear Regression
Polynomial Model Fit - Y vs One X	Regression for Appraisal	Simultaneous Confidence Intervals
Polynomial Model Search - Y vs Multiple X's	Regression Scores Plots	Sines
Polynomial Model Search - Y vs One X	Relative Risk	Sinusoidal Regressions
Polynomial Ratio	Reliability	Skewness Normality Test
Polynomial Ratio Model Fit	Residual Plots	Slopes - Testing for Equal
Polynomial Regression	Residuals	Spearman Correlation
Polynomial Search	Response Surface	Spearman Rank Correlation
Power Model Fit	Response Surface Regression	Spectral Analysis
Power Transformation	Richards Model Fit	Stage Regression
Predicted Values	Ridge Regression	Standard Error
Prediction Limits	Ridge Trace	Step-Down Selection
PRESS Statistics	Ridge Trace Plots	Step-Up Selection
Principal Components	Risk Ratio	Stepwise Regression
Principal Components Regression	Robust	Stepwise Selection
	Robust Linear Regression (Passing-Bablok Median-Slope)	Stratified Logistic Regression
	Robust Mediation Analysis	Stress A
	Robust Regression	Stress B
		Stress Plots

NCSS Procedure and Topic List (Categorized)

Studentized Deviance Residuals	Transformations - Box-Cox	Variable-Variate Correlations
Studentized Pearson Residuals	Transformations - Power	Variance Inflation Factor
Student's T CDF Fit	Transformations to Normality	Variance Inflation Factor Plots
Subset Selection	Triangle CDF Fit	Variance Test
Subset Selection in Multiple Regression	TSLS	VIF
Subset Selection in Multivariate Y Multiple Regression	T-Test	VIF Plots
Sum of Exponentials Model Fit	Tukey-Kramer Simultaneous Confidence Intervals	Wald Statistic
Sum of Functions (of X) Model Fit - Y vs One X	Tukey-Kramer Test	Wald Test
Superiority by a Margin	Tukey's Biweight	Wave Regression
Superiority by a Margin Tests	Tukey's HSD	Weibull CDF Fit
Survival Analysis	Two-Sample Equivalence Tests for Survival Data using Cox Regression	Weibull Error Regression
Survival Regression	Two-Sample Non-Inferiority Tests for Survival Data using Cox Regression	Weibull Fitting
Tests for Two-Factor Interactions	Two-Sample Superiority by a Margin Tests for Survival Data using Cox Regression	Weibull Model Fit
Time Series	Two-Sample T-Test	Weibull Regression
Time Series Plots	Two-Stage Least Squares	Weighted Deming Regression
TOST	Uniform CDF Fit	Wilks' Lambda
TOST Equivalence Test	Variable Selection	Working-Hotelling C.I. Band
Transference	Variable Selection for Multivariate Regression	Working-Hotelling Limits
Transformations		Yhat
		Zero-Inflated Negative Binomial Regression
		Zero-Inflated Poisson Regression

ROC Curves

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

Tests for Two AUCs

Tests for Two Paired AUCs

Youden Index

Survey Data

Adjusted Kappa Statistic	Coefficient of Variation	Imputation
Alpha - Cronbach's	Column Percentages	Imputing Data
Angular Transformation of Proportions	Confidence Interval	Incidence rates
ArcSin Transformation	Contingency Tables	Independence Tests
Armitage Rank Correlation Test	Contingency Tables (Crosstabs / Chi-Square Test)	Interquartile Range
Association - Partial and Marginal	Continuity Correction	Inter-Rater Agreement (Kappa)
Association and Correlation Statistics	Correlation Statistics	IQR
Bar Charts	Count Adjustment	Item Analysis
Bonferroni Multiple Comparisons of Proportions versus a Control	Count Tables	Kappa Reliability Test
Cell Counts	Counts	Kappa Statistic
Chi-Square	COV	Kappa Test for Inter-Rater Agreement
Chi-Square Test	Cramer's V	Kendall's Tau
Cluster Means	Cronbach's Alpha	Kurtosis
Cluster Proportions	Cross Tabulation	Kurtosis Normality Test
Cluster Randomization	Crosstabs	Lambda
Cluster Randomization - Create Cluster Means Dataset	CV	Likelihood Ratio Test
Cluster Randomization - Create Cluster Proportions Dataset	Data Imputation	LLM
Cluster Randomization - Create Cluster Rates Dataset	Data Screening	Loglinear Models
Cluster Rates	Descriptive Statistics	MAD
Cluster Survival	Descriptive Statistics - Summary Lists	MADM
Cochran-Armitage Proportion Trend Test	Descriptive Statistics - Summary Tables	Many to one Multiple Comparisons of Proportions
Cochran-Armitage Proportion Trend Test with Continuity Correction	Descriptive Tables	Marginal Association
Cochran's Q Test	Detecting Outliers	Maximum
COD	Dunnett Multiple Comparisons of Proportions versus a Control	McNemar Test
Coefficient Alpha	Exact Test	Mean Absolute Deviation
Coefficient of Dispersion	Expected Counts	Mean Absolute Deviation from the Median
	Fisher's Exact Test	Means
	Freeman-Tukey Standardized Residual	Median
	Frequency Tables	Minimum
	FT-SR	Minimum Required Difference
	Gamma	Missing Count
	Goodness-of-Fit Tests	Missing Value Estimation
	Hierarchical Models	Multinomial Test
		Multiple Comparison Tests
		Multiple Comparisons of Proportions

NCSS Procedure and Topic List (Categorized)

Multiple Comparisons of Proportions versus a Control	Proportions	Survival Rates
Multivariate Analysis	Proportions - Multiple Comparisons	Symmetric Lambda
Multivariate Normal Missing Value Estimation	Range	Table of Means
Multiway Frequency Analysis	Reliability	Table of Proportions
Nonparametric	Row Percentages	Table of Rates
Nonparametric Tests	Row-Column Independence Test	Table Percentages
Normality Tests	Score Test Pairwise Multiple Comparisons of Proportions	Table Statistics
Omnibus Normality Test	Screening Data	Tables - Descriptive
One-Sided Dunnett Multiple Comparisons of Proportions versus a Control	SD	Tschuprow's T
Outlier Detection	SE	Tukey-Kramer Pairwise Multiple Comparisons of Proportions
Outliers	Simultaneous confidence intervals of the differences among several proportions	Two-Way Tables
Paired T-Test	Skewness	Variance
Pairwise Multiple Comparisons of Proportions	Skewness Normality Test	Variation
Partial Association	Standard Deviation	Wald Ratio Multiple Comparisons of Proportions
Pearson Chi-square	Standard Error	Weighted Kappa
Pearson's Chi-Square Test	Standardized Residuals	Weighted Kappa Reliability Test
Pearson's Contingency Coefficient	Studentized Range Distribution	Weighted Kappa Statistic
Percentages	Summarize Clusters	Weighted Kappa Test for Inter-Rater Agreement
Percentiles	Summary Lists	Yates' Continuity Corrected Chi-Square Test
Phi	Summary Tables	
Proportion Trend Test	Sums	

Survival Analysis / Reliability

2x2 Table	Biweight Kernel	Cluster Rates
Accelerated Testing	Boundary Plot	Cluster Survival
Alpha Spending	Breslow Ties	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential
Analysis of Deviance	Calculator - Survival Parameters	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Non-Inferiority
Anderson-Darling Normality Test	Censored Regression	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Superiority by a Margin
Arcsine Square Root Hazard	Censoring	Comparing Two Hazard Rates - Group-Sequential
At-Risk Table	Change in Deviance Test	
Bar Charts	Chi-Square Test	
Beta Distribution Fitting	CIF	
Beta Reliability Plots	Cluster Randomization	
Beta Spending	Cluster Randomization - Create Cluster Rates Dataset	
Binding Futility Boundary		

NCSS Procedure and Topic List (Categorized)

Comparing Two Hazard Rates - Group-Sequential - Non- Inferiority	Difference in Hazard Rates - Group-Sequential - Superiority by a Margin	Greenwood's Formula
Comparing Two Hazard Rates - Group-Sequential - Superiority by a Margin	Difference in Survival Curves - Group-Sequential	Group-Sequential
Comparing Two Survival Curves - Group-Sequential	Difference in Survival Curves - Group-Sequential - Non- Inferiority	Group-Sequential Analysis for One Hazard Rate
Comparing Two Survival Curves - Group-Sequential - Non-Inferiority	Difference in Survival Curves - Group-Sequential - Superiority by a Margin	Group-Sequential Analysis for Two Hazard Rates
Comparing Two Survival Curves - Group-Sequential - Superiority by a Margin	Differential Evolution	Group-Sequential Design - Logrank Test
Competing Risks	Distribution (Weibull) Fitting	Group-Sequential Design - One Hazard Rate
Confidence Interval	Distribution Fitting	Group-Sequential Design - One Hazard Rate - Non- Inferiority
Counts	Dose	Group-Sequential Design - One Hazard Rate - Superiority by a Margin
Cox Proportional Hazards Regression	Dose-Response	Group-Sequential Design - One Survival Curve
Cox Regression	Dose-Response Plots	Group-Sequential Design - One Survival Curve - Non- Inferiority
Cox-Mantel Logrank Test	Efficacy Boundaries	Group-Sequential Design - One Survival Curve - Superiority by a Margin
Cox-Snell Residuals	Efron Ties	Group-Sequential Design - Two Hazard Rates
Cumulative Hazard	Epanechnikov Kernel	Group-Sequential Design - Two Hazard Rates - Non- Inferiority
Cumulative Incidence	Equivalence	Group-Sequential Design - Two Hazard Rates - Superiority by a Margin
Cumulative Incidence Plots	Equivalence Tests	Group-Sequential Design - Two Survival Curves
Cumulative Survival	Equivalence Tests using TOST	Group-Sequential Design - Two Survival Curves - Non- Inferiority
Cumulative Survival Plots	Exact Test	Group-Sequential Design - Two Survival Curves - Superiority by a Margin
Custom Model	Exponential Distribution	Group-Sequential Non- Inferiority Analysis for One Hazard Rate
D'Agostino Kurtosis Normality Test	Exponential Error Regression	Group-Sequential Non- Inferiority Analysis for Two Hazard Rates
D'Agostino Omnibus Normality Test	Exponential Fit	
D'Agostino Skewness Normality Test	Exponential Probability Plots	
Death Density Function	Exponential Regression	
Descriptive Statistics	Extreme Value Distribution	
Descriptive Tables	Extreme Value Error Regression	
Deviance Residuals	Extreme Value Fit	
Deviance Test	Extreme Value Probability Plots	
Difference in Hazard Rates - Group-Sequential	Failure Distribution	
Difference in Hazard Rates - Group-Sequential - Non- Inferiority	Failure Probability	
	Fisher's Exact Test	
	Fleming-Harrington Test	
	Forward Selection	
	Futility Boundaries	
	Gamma Distribution Fitting	
	Gehan Test	
	Gray's Test	

NCSS Procedure and Topic List (Categorized)

Group-Sequential Superiority by a Margin Analysis for One Hazard Rate	Hazard Rate Group-Sequential - Superiority by a Margin	Interim Analysis - Two Hazard Rates
Group-Sequential Superiority by a Margin Analysis for Two Hazard Rates	Hazard Rate Plots	Interim Analysis - Two Hazard Rates - Non-Inferiority
Group-Sequential Tests	Hazard Rates Group-Sequential	Interim Analysis - Two Hazard Rates - Superiority by a Margin
Group-Sequential Tests for Logrank Tests	Hazard Rates Group-Sequential - Non-Inferiority	Interim Analysis - Two Survival Curves
Group-Sequential Tests for One Hazard Rate	Hazard Rates Group-Sequential - Superiority by a Margin	Interim Analysis - Two Survival Curves - Non-Inferiority
Group-Sequential Tests for One Hazard Rate - Non-Inferiority	Hazard Rates One Group-Sequential	Interim Analysis - Two Survival Curves - Superiority by a Margin
Group-Sequential Tests for One Hazard Rate - Superiority by a Margin	Hazard Rates One Group-Sequential - Non-Inferiority	Kaplan-Meier
Group-Sequential Tests for One Survival Curve	Hazard Rates One Group-Sequential - Superiority by a Margin	Kaplan-Meier Curves
Group-Sequential Tests for One Survival Curve - Non-Inferiority	Hazard Rates Two Group-Sequential	Kaplan-Meier Curves (Logrank Tests)
Group-Sequential Tests for Two Hazard Rates	Hazard Rates Two Group-Sequential - Non-Inferiority	Kolmogorov-Smirnov Test
Group-Sequential Tests for Two Hazard Rates - Non-Inferiority	Hazard Rates Two Group-Sequential - Superiority by a Margin	Kurtosis
Group-Sequential Tests for Two Hazard Rates - Superiority by a Margin	Hazard Ratio	Kurtosis Normality Test
Group-Sequential Tests for Two Survival Curves	Hazard Ratio Conversion	Life-Table Analysis
Group-Sequential Tests for Two Survival Curves - Non-Inferiority	Hierarchical Models	Likelihood Ratio Test
Group-Sequential Tests for Two Survival Curves - Superiority by a Margin	Hierarchical Subset Search	Logistic Distribution
Hazard Function	Histograms	Logistic Error Regression
Hazard Function Plots	Incidence rates	Logistic Fit
Hazard Rate	Interim Analysis - Logrank Test	Logistic Probability Plots
Hazard Rate Conversion	Interim Analysis - One Hazard Rate	Logistic Regression
Hazard Rate Group-Sequential	Interim Analysis - One Hazard Rate - Non-Inferiority	Log-Logistic Distribution
Hazard Rate Group-Sequential - Non-Inferiority	Interim Analysis - One Hazard Rate - Superiority by a Margin	Log-Logistic Error Regression
	Interim Analysis - One Survival Curve	Log-Logistic Fit
	Interim Analysis - One Survival Curve - Non-Inferiority	Log-Logistic Probability Plots
	Interim Analysis - One Survival Curve - Superiority by a Margin	Log-Logistic Regression
		Log-Normal Distribution
		Log-Normal Error Regression
		Log-Normal Fit
		Log-Normal Probability Plots
		Log-Normal Regression
		Logrank Test
		Logrank Test - Group-Sequential
		Mantel-Haenszel Confidence Intervals
		Mantel-Haenszel Logrank Test

NCSS Procedure and Topic List (Categorized)

Mantel-Haenszel Test	One Survival Curve - Group-Sequential	Restricted Mean Time Lost Ratio Comparisons
Martingale Residuals	One Survival Curve - Group-Sequential - Non-Inferiority	Risk Ratio
Mean Survival Comparisons	One Survival Curve - Group-Sequential - Superiority by a Margin	RMST
Mean Survival Time	One Survival Curve Group Sequential	RMST Difference Comparisons
Mean Time Lost	One Survival Curve Group Sequential - Non-Inferiority	RMST Ratio Comparisons
Mean Time Lost Comparisons	One Survival Curve Group Sequential - Superiority by a Margin	RMTL
Median Remaining Lifetime	Outliers	RMTL Ratio Comparisons
Median Survival Time	Parametric Hazard Rate	Robins Confidence Interval
Conversion	Parametric Survival (Weibull) Regression	R-Squared
Mill's Ratio	Parametric Survival Regression	Scaled Schoenfeld's Residuals
Model Fitting	Pepe and Mori's Test	Scatter Plots
Modified Peto-Peto Test	Peto-Peto Test	Schoenfeld's Residuals
Mortality Ratio Conversion	Probability of Failure	Schoenfeld's Residuals Plots
MRT	Probability Plots	SD
Nelson-Aalen Hazard	Probit Analysis	Shapiro-Wilk Normality Test
Newton-Raphson	Probit Plots	Skewness
Non-Binding Futility Boundary	Product-Limit Estimator	Skewness Normality Test
Non-Inferiority	Product-Limit Survivorship	Spending Functions
Non-Inferiority Tests	Proportional Hazards Regression	Standard Deviation
Nonparametric	Proportions	Stepwise Regression
Nonparametric Survival Estimation	Proportions Tests	Stress A
Normal Distribution	Randomization Test	Stress B
Normal Error Regression	Regression	Stress Plots
Normal Fit	Regression Coefficients	Subdistribution Hazards
Normal Probability Plots	Relative Risk	Subset Selection
Normal Regression	Reliability	Summarize Clusters
Normality Tests	Residual Plots	Summary Lists
Number At Risk	Residuals	Summary Tables
Odds Ratio	Restricted Mean Survival Time	Sums
One Hazard Rate - Group-Sequential	Restricted Mean Survival Time Difference Comparisons	Superiority by a Margin
One Hazard Rate - Group-Sequential - Non-Inferiority	Restricted Mean Survival Time Ratio Comparisons	Superiority by a Margin Tests
One Hazard Rate - Group-Sequential - Superiority by a Margin	Restricted Mean Time Lost	Survival Analysis
One Hazard Rate Group Sequential		Survival Curves
One Hazard Rate Group Sequential - Non-Inferiority		Survival Curves One Group-Sequential
One Hazard Rate Group Sequential - Superiority by a Margin		Survival Curves One Group-Sequential - Non-Inferiority
		Survival Curves One Group-Sequential - Superiority by a Margin
		Survival Curves Two Group-Sequential

NCSS Procedure and Topic List (Categorized)

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

Time Series

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

NCSS Procedure and Topic List (Categorized)

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

T-Tests

2x2 Cross-Over Design	ANCOVA	Boundary Plot
Agreement	Anderson and Hauck's Test	Box Plots
Alias	ANOVA	Box-and-Whisker Plots
Alpha Spending	AOV	Box-Cox Algorithm
Analysis of 2x2 Cross-Over Designs using T-Tests	Aspin-Welch Unequal-Variance T-Test	Box-Cox for ANOVA
Analysis of 2x2 Cross-Over Designs using T-Tests for Equivalence	Average-Difference Plots	Box-Cox for One-Way ANOVA
Analysis of 2x2 Cross-Over Designs using T-Tests for Non-Inferiority	Bartlett's Test	Box-Cox for T-Test
Analysis of 2x2 Cross-Over Designs using T-Tests for Superiority by a Margin	Beta Spending	Box-Cox Plots
Analysis of Covariance	Binding Futility Boundary	Box-Cox Power Transformation
Analysis of Covariance (ANCOVA) with Two Groups	Bioequivalence	Box-Cox Transformation
Analysis of Two-Level Designs	Bioequivalence Tests	Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)
Analysis of Variance	Bland-Altman	Box's M Test
	Bland-Altman Plot and Analysis	Compare Means
	Bland-Altman Plots	Compare Two Distributions
	Bonferroni C.I.'s	Comparing Paired Difference Means
	Bootstrap Confidence Interval	
	Bootstrapping	

NCSS Procedure and Topic List (Categorized)

Comparing Two Means	Efficacy Boundaries	Group-Sequential Superiority by a Margin Analysis for Two Means with Known Variances
Comparing Two Means - Group-Sequential	Eigenvalues	Group-Sequential Superiority by a Margin T-Tests for One Mean
Comparing Two Means - Non-Inferiority - Group-Sequential	Equal Variance Tests	Group-Sequential Superiority by a Margin T-Tests for Two Means
Comparing Two Means - Superiority by a Margin - Group-Sequential	Equal-Variance Test	Group-Sequential Tests
Conditional Power	Equivalence Tests	Group-Sequential Tests for One Mean
Confidence Interval	Equivalence Tests using TOST	Group-Sequential Tests for One Mean - Non-Inferiority
Confidence Interval for Means	F-Test	Group-Sequential Tests for One Mean - Superiority by a Margin
Confidence Interval for Medians	Futility Boundaries	Group-Sequential Tests for Two Means - Non-Inferiority
Confidence Interval for One Mean	Group Comparison Plots	Group-Sequential Tests for Two Means - Superiority by a Margin
Confidence Interval for Paired Means	Group-Sequential	Group-Sequential T-Test
Confidence Interval for SD	Group-Sequential Analysis for One Mean with Known Variance	Group-Sequential T-Test - Non-Inferiority
Confidence Interval for SD Ratio	Group-Sequential Analysis for Two Means with Known Variances	Group-Sequential T-Test - Superiority by a Margin
Confidence Interval for Standard Deviation	Group-Sequential Design - One Mean	Group-Sequential T-Tests for One Mean
Confounding	Group-Sequential Design - One Mean - Non-Inferiority	Group-Sequential T-Tests for Two Means
Correlated T-Test	Group-Sequential Design - One Mean - Superiority by a Margin	Histograms
Correlation Coefficient	Group-Sequential Design - Two Means	Hotelling's One-Sample T2
Covariance	Group-Sequential Design - Two Means - Non-Inferiority	Hotelling's Paired-Sample T2
Covariance Analysis	Group-Sequential Design - Two Means - Superiority by a Margin	Hotelling's Two-Sample T2
Cross-Over Analysis	Group-Sequential Non-Inferiority Analysis for One Mean with Known Variance	Interim Analysis - One Mean
Cross-Over Design Analysis	Group-Sequential Non-Inferiority Analysis for Two Means with Known Variances	Interim Analysis - One Mean - Non-Inferiority
Cross-Over Means	Group-Sequential Non-Inferiority T-Tests for One Mean	Interim Analysis - One Mean - Superiority by a Margin
Cross-Over Two Means	Group-Sequential Non-Inferiority T-Tests for Two Means	Interim Analysis - Two Means
Descriptive Statistics	Group-Sequential Superiority by a Margin Analysis for One Mean with Known Variance	Interim Analysis - Two Means - Non-Inferiority
Difference in Means		Interim Analysis - Two Means - Superiority by a Margin
Difference in Means - Group Sequential		
Difference in Means - Group-Sequential		
Difference in Means - Non-Inferiority - Group-Sequential		
Difference in Means - Superiority by a Margin - Group-Sequential		
Difference in Medians		

NCSS Procedure and Topic List (Categorized)

Kolmogorov-Smirnov Test	Non-Inferiority Tests	Residuals
Kurtosis Normality Test	Nonparametric	Sample Size Re-estimation
Lambda	Nonparametric Tests	Scatter Plots
Lambda vs. SD Plots	Normality Tests	Schurmann's Two One-Sided Tests
Levene's Equal Variance Test	Omnibus Normality Test	SD Ratio
Limits of Agreement	One Mean - Group-Sequential	Shapiro-Wilk Normality Test
LoA	One Mean - Non-Inferiority - Group-Sequential	Sign Test
Mann-Whitney Test	One Mean - Superiority by a Margin - Group-Sequential	Signed-Rank Test
Mean Comparison	One-Sample T-Test	Simultaneous C.I.'s
Mean Difference	One-Sample T-Test for Equivalence	Skewness
Mean Equality	One-Sample T-Test for Non-Inferiority	Skewness Normality Test
Mean Input	One-Sample T-Test for Superiority by a Margin	Spending Functions
Means	One-Way Analysis of Variance	Standard Deviation
Means - Group-Sequential	One-Way ANOVA	Standard Deviation Confidence Interval
Means - Non-Inferiority - Group-Sequential	Outliers	Standard Deviation Ratio
Means - One - Group-Sequential	Paired Difference	Standard Error
Means - One - Non-Inferiority - Group-Sequential	Paired Means	Sum-Difference Plots
Means - One - Superiority by a Margin - Group-Sequential	Paired T-Test	Summary Statistics Input
Means - Superiority by a Margin - Group-Sequential	Paired T-Test for Equivalence	Sums and Differences Plots
Means One - Non-Inferiority - Group-Sequential	Paired T-Test for Non-Inferiority	Superiority by a Margin
Means One - Superiority by a Margin - Group-Sequential	Paired T-Test for Superiority by a Margin	Superiority by a Margin Tests
Means Plots	Period Plots	Superiority Tests
Means Two - Non-Inferiority - Group-Sequential	Power Transformation	T2
Means Two - Superiority by a Margin - Group-Sequential	Predictive Power	Testing Equivalence with Two Independent Samples
Measurement Error	Probability Plots	Testing Non-Inferiority with Two Independent Samples
Median Confidence Interval	Profile Plots	Testing Superiority by a Margin with Two Independent Samples
Median Test	Quantile Test	TOST
Method Comparison	Randomization Test	TOST Equivalence Test
Model Fitting	Rank-Sum Test	Transformations
Modified Levene's Test	Ratio of Standard Deviations	Transformations - Box-Cox
Multiple Comparison Tests	Re-estimation of Sample Size	Transformations - Power
Multivariate Analysis	Reliability	Transformations to Normality
Multivariate T-Test	Repeated Measures	T-Test
Non-Binding Futility Boundary	Repeated Measures Analysis of Variance	T-Test - Non-Inferiority
Non-Inferiority	Resampling Test	T-Test - One Mean
	Residual Plots	T-Test - One Mean - Non-Inferiority

NCSS Procedure and Topic List (Categorized)

T-Test - One Mean - Superiority by a Margin	Two Means - Non-Inferiority - Group Sequential	Two-Sample T-Test for Superiority by a Margin
T-Test - Superiority by a Margin	Two Means - Non-Inferiority - Group-Sequential	Two-Sample T-Test from Means and SD's
T-Test - Two Means	Two Means - Superiority by a Margin - Group Sequential	Two-Treatment Cross-Over Analysis
T-Test - Two Means - Non-Inferiority	Two Means - Superiority by a Margin - Group-Sequential	Unequal-Variance T-Tests
T-Test - Two Means - Superiority by a Margin	Two Means Cross-Over	Variance Equality Tests
T-Tests	Two-Level Design Analysis	Variance Ratio Equal-Variance Test
T-Tests - Aspin-Welch	Two-Sample T-Test	Variance Ratio Test
T-Tests - Equivalence	Two-Sample T-Test - Equivalence	Variance Test
T-Tests - Non-Inferiority	Two-Sample T-Test - Non-Inferiority	Westlake's Confidence Interval
T-Tests - Paired	Two-Sample T-Test - Superiority by a Margin	Wilcoxon Rank-Sum Test
T-Tests - Superiority	Two-Sample T-Test for Equivalence	Wilcoxon Signed-Rank Test
Two Means	Two-Sample T-Test for Non-Inferiority	Wilcoxon Test
Two Means - Confidence Interval		Wilcoxon-Mann-Whitney Test
Two Means - Group Sequential		Z-Tests
Two Means - Group-Sequential		

Two-Way Tables

2x2 Table	Cochran-Armitage Proportion Trend Test with Continuity Correction	Exact Test
Adjusted Kappa Statistic	Cochran's Q Test	Expected Counts
Angular Transformation of Proportions	Column Percentages	Fisher's Exact Test
ArcSin Transformation	Contingency Tables	Freeman-Tukey Standardized Residual
Armitage Rank Correlation Test	Contingency Tables (Crosstabs / Chi-Square Test)	Frequency Tables
Association - Partial and Marginal	Continuity Correction	FT-SR
Association and Correlation Statistics	Correlation Statistics	Gamma
Bar Charts	Count Adjustment	Goodness-of-Fit Tests
Bonferroni Multiple Comparisons of Proportions versus a Control	Count Tables	Hierarchical Models
Cell Counts	Counts	Independence Tests
Chi-Square	Cramer's V	Inter-Rater Agreement (Kappa)
Chi-Square Test	Cross Tabulation	Kappa Reliability Test
Cochran-Armitage Proportion Trend Test	Crosstabs	Kappa Statistic
	Descriptive Statistics	Kappa Test for Inter-Rater Agreement
	Dunnett Multiple Comparisons of Proportions versus a Control	Kendall's Tau
		Lambda
		Likelihood Ratio Test
		LLM

NCSS Procedure and Topic List (Categorized)

Loglinear Models	Partial Association	Symmetric Lambda
Mantel-Haenszel Confidence Intervals	Pearson Chi-square	Table Percentages
Mantel-Haenszel Test	Pearson's Chi-Square Test	Table Statistics
Many to one Multiple Comparisons of Proportions	Pearson's Contingency Coefficient	Tschuprow's T
Marginal Association	Percentages	Tukey-Kramer Pairwise Multiple Comparisons of Proportions
McNemar Test	Phi	Two-by-Two Tables
Minimum Required Difference	Proportion Trend Test	Two-Way Tables
Multinomial Test	Proportions	Wald Ratio Multiple Comparisons of Proportions
Multiple Comparison Tests	Proportions - Multiple Comparisons	Weighted Kappa
Multiple Comparisons of Proportions	Proportions Tests	Weighted Kappa Reliability Test
Multiple Comparisons of Proportions versus a Control	Reliability	Weighted Kappa Statistic
Multiway Frequency Analysis	Robins Confidence Interval	Weighted Kappa Test for Inter-Rater Agreement
Nonparametric	Row Percentages	Woolf's Confidence Interval
Nonparametric Tests	Row-Column Independence Test	Woolf's Confidence Limits
Odds Ratio	Score Test Pairwise Multiple Comparisons of Proportions	Woolf's Odds Ratio Analysis
One-Sided Dunnett Multiple Comparisons of Proportions versus a Control	Simultaneous confidence intervals of the differences among several proportions	Yates' Continuity Corrected Chi-Square Test
Paired T-Test	Standardized Residuals	
Pairwise Multiple Comparisons of Proportions	Studentized Range Distribution	

Graphics

3D Bar Charts	Bar Charts	Chi-Square Probability Plots
3D Bar Charts (2 Factors)	Bar Charts - 3D	Circular Data Plots
3D Line Charts	Bar Charts (2 Factors)	Circular Histograms
3D Line Charts (2 Factors)	Binormal ROC Curve	Clustered Heat Maps (Double Dendrograms)
3D Plots	Bland-Altman Plot and Analysis	Combo Charts
3D Scatter Plots	Bland-Altman Plots	Combo Charts (2 Factors)
3D Surface Plots	Border Plots	Comparative Histograms
Area Under Curve	Box Plots	Compare Probability Plots
Area Under ROC Curve	Box Plots (2 Factors)	Comparing Two ROC Curves - Independent Groups Design
Area Under ROC Curve Confidence Interval	Box-and-Whisker Plots	Comparing Two ROC Curves - Paired Design
Attribute Charts	C Charts	Conditional Probability Plots
Autocorrelation Plots	Capability Histograms	Confidence Band
Average-Difference Plots	CDF Curve Fitting	Contour Plots
Back-to-Back Stem-and-Leaf Plots	Chi-Square Plots	

NCSS Procedure and Topic List (Categorized)

Control Charts	Formula Plots	Moving Range Charts
Control Limits	Fourier Plots	Nonparametric ROC Curves
Correlogram	Frequency Distribution Plots	Normal Probability Plots
Cross-Correlations Plots	Function Plots	Normality Plots
Cumulative Chart	Funnel Plots	NP Charts
Cumulative Hazard	Gamma Plots	One ROC Curve and Cutoff Analysis
Cumulative Pareto Chart	Gamma Probability Plots	Outliers
Cumulative Sum Charts	Half-Normal Plots	P Charts
Curve Fitting	Half-Normal Probability Plots	Paired ROC Curves
Curve Fitting - CDF	Hazard Function Plots	Pareto Charts
Curve Fitting Plots	Hazard Rate Plots	Partial Autocorrelation Plots
Curve Fitting Scatter Plot Matrix	Heat Map	Partial Residual Plots
Curve Inequality Test	Heat Map of Correlations	Percentile Curve Fit
CUSUM Charts	Heat Maps	Percentile Plots
Data Plots	Hierarchical Clustering / Dendrograms	Percentile Plots (2 Factors)
Decomposition Ratio Plots	Histograms	Periodogram Plots
Dendrograms	Histograms - Border	Pie Charts
Density Plots	Histograms - Comparative	Plot of Eigenvectors
Density Plots (2 Factors)	Histograms - Comparative (2 Factors)	Plot of Principal Components Plots
Density Plots using Sunflowers	Histograms - Smoothed	Point Plots
Density Trace	I-MR Charts	Probability Ellipse
Distribution Plots	Individuals and Moving Range Charts	Probability Plot Comparison
Dot Plots	Individuals Charts	Probability Plots
Dot Plots - Border	Kaplan-Meier Curves (Logrank Tests)	Proportions Plot
Dot Plots (2 Factors)	L'Abbe Plots	Quality Control Charts
Double Dendrograms	Lag Plots	R Charts
Eigenvector Plot	Levey-Jennings Charts	Radial Plots
Empirical ROC Curve	Line Charts	Range Charts
Equation Plots	Line Charts - 3D	Ratio Plots
Error-Bar Charts	Line Charts (2 Factors)	Receiver Operating Characteristic Curve
Error-Bar Charts (2 Factors)	Linear Regression Plots	Regression Plots
Error-Bar Charts from Summary Data	Loess	Residual Plots
Error-Bar Charts from Summary Data (2 Factors)	Log-Normal Plots	Rose Plots
Error-Bar Plots	Log-Normal Probability Plots	Runs Charts
EWMA Charts	Lowess	s Charts
Exponential Probability Plots	MA Charts	Scatter Diagram
Exponentially Weighted Moving Average Chart	Matrix of Scatter Plots	Scatter Plot Matrix
Forecast Plots	Mosaic Plots	Scatter Plot Matrix for Curve Fitting
Forest Plots	Moving Average Charts	Scatter Plots

NCSS Procedure and Topic List (Categorized)

Scatter Plots with Error Bars	Surface Plots	Violin Plots
Scatter Plots with Error Bars from Summary Data	Surface Plots - 3D	Violin Plots (2 Factors)
Sequence Plots	Survival Curves	Weibull Probability Plots
Serial Correlation Plots	Survival Plots	Wireframe Plots
Smoothed Histograms	Three-Dimensional Data Plots	X-bar and R Charts
Spectrum Plots	Time Series Plots	X-bar and s Charts
Spine Plots	Topographical Map	Xbar Charts
Spline	Treemap Plots	X-bar Charts
Standard Deviation Charts	Trend Plots	X-Y Plots
Stem-and-Leaf Plots	U Charts	X-Y-Z Plots
Stem-Leaf Plots	Uniform Probability Plots	Y vs X Plots
Sunflower Plots	Violin Chart	
	Violin Charts	

Data

Assigning Subjects to Groups	Cluster Randomization - Create Cluster Proportions Dataset	Data Import from All Major Statistical Data File Formats
Bar Charts	Cluster Randomization - Create Cluster Rates Dataset	Data Imputation
Beta Distribution	Cluster Rates	Data List
Biased Coin Randomization	Cluster Survival	Data Matching
Bimodal Data	COD	Data Matching - Greedy
Binomial Distribution	Coefficient of Dispersion	Data Matching - Optimal
Block Outlier Tests	Coefficient of Variation	Data Merge
Block Randomization	Combining Distributions	Data Report
Box-Cox Algorithm	Complete Randomization	Data Sampling
Box-Cox for Linear Regression	Conditional Data Search	Data Screening
Box-Cox for Regression	Conditional Search	Data Search Tool
Box-Cox Plots	Confidence Interval	Data Simulation
Box-Cox Power	Confidence Interval	Data Stratification
Transformation	Constant Distribution	Database Merge
Box-Cox Transformation	Contaminated Normal Distribution	Dataset Merge
Box-Cox Transformation for Simple Linear Regression	Counts	Dataset Sampling
Caliper Matching	COV	Descriptive Statistics
Cauchy Distribution	CV	Descriptive Statistics - Summary Lists
Centers	Data Entry	Descriptive Tables
Cluster Means	Data Entry and Search Tool	Design of Experiments
Cluster Proportions	Data Entry Tool	Detecting Outliers
Cluster Randomization	Data Export to All Major Statistical Data File Formats	Distance
Cluster Randomization - Create Cluster Means Dataset		Distribution Simulation
		DOE

NCSS Procedure and Topic List (Categorized)

Efron's Biased Coin Randomization	MADM	Propensity Score Matching
Entering Data	Mahalanobis Distance	Proportions
ESD Outliers	Matching	Quantiles
Experimental Design	Maximum	R
Exponential Distribution	Mean Absolute Deviation	R Functions
Exporting Data from R	Mean Absolute Deviation from the Median	R Interface
Exporting Data to R	Means	R Packages
Extreme Studentized Deviate	Median	R Program
Extreme Values	Merging Two Datasets	Random Numbers
F Distribution	Minimum	Random Sample
Filter	Missing Count	Random Sampling
Find Rows	Missing Value Estimation	Random Sorting
Find Tool	Mixing Distributions	Random Sorting using Maximum Allowable % Deviation
Finding Data	Model Fitting	Random Subject Assignment
Finding Data using the Filter	Monte-Carlo Simulation	Randomization Algorithms
Forced Match	Multinomial Distribution	Randomization Lists
Gamma Distribution	Multivariate Normal Missing Value Estimation	Range
Generating Data	NCSS and R	Regression
Greedy Data Matching	NCSS Data in R	Reliability
Greedy Matching	Normal Distribution	Rosner's Outlier Test
Grubbs' Outlier Test	Normality Plots	Row-by-Row Navigation
Grubbs' Test	Normality Tests	R-Squared
Gumbel Distribution	Observational Study Matching	Sampling
Histograms	Observational Study Stratification	Sampling Subpopulations
Imputation	Obtaining the R Program	Screening Data
Imputing Data	Omnibus Normality Test	SD
Incidence rates	One-Way Analysis of Variance	SE
Interquartile Range	Optimal Data Matching	Search Conditions
IQR	Optimal Matching	Search Tool
Kaplan-Meier	Outlier Detection	Searching the Data
Kurtosis	Outlier Test	Shapiro-Wilk Normality Test
Kurtosis Normality Test	Outliers	Show Data
Lambda	Percentiles	Simple Linear Regression
Lambda vs. SD Plots	Poisson Distribution	Simple Random Sampling
Laplace Distribution	Power Transformation	Simple Random Sampling with Group Assignment
Levene's Equal Variance Test	Printing Data	Simulate Data
Likert-Scale Data	Probability Distribution Simulation	Simulate Distribution
Linear Regression - Box-Cox	Probability Plots	Simulation
List Data	Propensity Score	Simulator
Logistic Distribution		Skewed Distribution
Lognormal Distribution		
MAD		

NCSS Procedure and Topic List (Categorized)

Skewness	Student's T Distribution	Transformations
Skewness Normality Test	Subpopulation Sampling	Transformations - Box-Cox
Smith's Randomization	Summarize Clusters	Transformations - Power
Snedecor's F Distribution	Summary Lists	Transformations to Normality
Standard Deviation	Summary Tables	Tukey's Lambda Distribution
Standard Error	Sums	Uniform Distribution
Strata	Survival Analysis	Variable Matching
Stratification	Survival Rates	Variance
Stratification of Data	T Distribution	Variance Equality Tests
Stratified Random Sampling	Table of Means	Variation
Stratified Random Sampling with Group Assignment	Table of Proportions	Weibull Distribution
Stratified Sampling	Table of Rates	Wei's Urn Randomization
Stratum	Tables - Descriptive	
	Time Calculator	

Tools

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

NCSS Procedure and Topic List (Categorized)

Scripts

Standard Deviation

Standard Deviation Calculator

Standard Deviation

Confidence Limits

Standard Deviation

Conversion

Standard Error

Studentized Range

Distribution

Studentized Range Probability

Calculator

Student's T Distribution

Student's T Probability

Calculator

Survival Parameter Conversion

Tool

Weibull Distribution

Weibull Probability Calculator