

# NCSS Procedure and Topic List (Categorized)

## Analysis of Variance (ANOVA)

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

## NCSS Procedure and Topic List (Categorized)

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

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## Appraisal

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

## NCSS Procedure and Topic List (Categorized)

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

## Cluster Analysis

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

## Correlation

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

## NCSS Procedure and Topic List (Categorized)

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

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## Curve Fitting

Bleasdale-Nelder Model Fit	Hill Model Fit	Normal Model Fit
Bootstrap Confidence Interval	Holliday Model Fit	Normal Range
Bootstrapping	Hyperbola	Normality Test
Centiles	Kinetics	Normality Tests
Cubic Model Fit	Levenberg-Marquardt Nonlinear Least-Squares Algorithm	Percentiles
Curve Fitting	Linear Model Fit	Plots
Curve Fitting - General	Linear-Linear Model Fit	Polynomial Ratio
Curve Fitting Plots	Linear-Linear-Linear Model Fit	Polynomial Ratio Model Fit
Curve Fitting Scatter Plot Matrix	Linear-Quadratic Model Fit	Polynomial Regression
Curve Inequality Test	Logarithmic Model Fit	Power Model Fit
Draw Function	Logistic Model Fit	Predicted Values
Enzyme Kinetics	Log-Normal Model Fit	Probability Plots
Equation Plots	Michaelis-Menten Equation	Quadratic Model Fit
Exponential Model Fit	Michaelis-Menten Model Fit	Quadratic-Linear Model Fit
Farazdaghi and Harris Model Fit	Model Fitting	Quadratic-Quadratic Model Fit
Fetal Size	Model Searching	Quantile Regression
Formula Plots	Monomolecular Model Fit	Randomization Test
Fractional Polynomial Regression	Morgan-Mercer-Floding Model Fit	Ratio of Polynomials
Fractional Polynomials	Multivariate Polynomial Ratio Fit	Ratio of Polynomials Fit
Function Plots	Nash's MRT Algorithm	Ratio of Polynomials Fit - Many Variables
Gompertz Model Fit	Nonlinear Regression	
Goodness-of-Fit Tests		

## NCSS Procedure and Topic List (Categorized)

Ratio of Polynomials Fit - One Variable	Reference Intervals - Age-Specific	Scattergraph
Ratio of Polynomials Search	Reference Range	Shapiro-Wilk Normality Test
Ratio of Polynomials Search - Many Variables	Regression	Shinozaki and Kira Model Fit
Ratio of Polynomials Search - One Variable	Residual Plots	Sum of Exponentials Model Fit
Reciprocal Model Fit	Richards Model Fit	Sum of Functions Models
Reference Interval	R-Squared	Tolerance Intervals
Reference Intervals	Scatter Diagram	Weibull Fitting
	Scatter Plot Matrix	Weibull Model Fit
	Scatter Plot Matrix for Curve Fitting	
	Scatter Plots	

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## Descriptive Statistics

Adjusted Kappa Statistic	Cochran-Armitage Proportion Trend Test with Continuity Correction	Distribution Statistics
Anderson-Darling Normality Test	COD	Dunnnett Multiple Comparisons of Proportions versus a Control
Angular Data Analysis	Coefficient of Dispersion	EDF
Angular Transformation of Proportions	Coefficient of Variation	ESD Outliers
ArcSin Transformation	Column Percentages	Exact Test
Area Under Curve	Combining Distributions	Expected Counts
Armitage Rank Correlation Test	Confidence Interval	Exponential Distribution
Association and Correlation Statistics	Constant Distribution	Extreme Studentized Deviate
AUC	Contaminated Normal Distribution	Extreme Values
Bar Charts	Contingency Tables	F Distribution
Beta Distribution	Contingency Tables (Crosstabs / Chi-Square Test)	Fisher's Exact Test
Bimodal Data	Continuity Correction	Fisher's g1
Binomial Distribution	Correlation Statistics	Fisher's g2
Block Outlier Tests	Count Adjustment	Frequency Tables
Bonferroni Multiple Comparisons of Proportions versus a Control	Count Tables	Gamma
Box-Cox Algorithm	Counts	Gamma Distribution
Box-Cox Plots	COV	Generating Data
Box-Cox Power Transformation	Cox Test	Geometric Mean
Box-Cox Transformation	Cramer's V	Grubbs' Outlier Test
Cauchy Distribution	Cross Tabulation	Grubbs' Test
Cell Counts	Crosstabs	Gumbel Distribution
Central Moments	CV	Harmonic Mean
Chi-Square	D'Agostino Kurtosis Normality Test	Histograms
Chi-Square Test	D'Agostino Omnibus Normality Test	Imputation
Circular Correlation	D'Agostino Skewness Normality Test	Imputing Data
Circular Data Analysis	Data Imputation	Independence Tests
Circular Data Plots	Data Plots	Interquartile Range
Circular Dispersion	Data Screening	Inter-Rater Agreement (Kappa)
Circular Histograms	Data Simulation	IQR
Circular Statistics	Descriptive Statistics	Kappa Reliability Test
Circular Uniform Distribution	Descriptive Statistics - Summary Lists	Kappa Statistic
Circular Variance	Descriptive Statistics - Summary Tables	Kappa Test for Inter-Rater Agreement
Cluster Means	Descriptive Tables	Kendall's Tau
Cluster Randomization	Detecting Outliers	Kolmogorov-Smirnov Normality Test
Cluster Randomization - Create Cluster Means Dataset	Dispersion	Kolmogorov-Smirnov Test
Cochran-Armitage Proportion Trend Test	Distribution Simulation	Kuiper's Test
		Kurtosis
		Kurtosis Normality Test



## NCSS Procedure and Topic List (Categorized)

Lambda	Outlier Test	Stem-Leaf Plots
Lambda vs. SD Plots	Outliers	Stephens Test
Laplace Distribution	Paired T-Test	Studentized Range Distribution
Likelihood Ratio Test	Pairwise Multiple Comparisons of Proportions	Student's T Distribution
Likert-Scale Data	Pearson's Chi-Square Test	Summarize Clusters
Lilliefors' Critical Values	Pearson's Contingency Coefficient	Summary Lists
Logistic Distribution	Percentages	Summary Tables
Lognormal Distribution	Percentiles	Sums
MAD	Phi	Symmetric Lambda
MADM	Plots	T Distribution
Many to one Multiple Comparisons of Proportions	Poisson Distribution	Table of Means
Mardia-Watson-Wheeler Uniform-Scores Test	Power Transformation	Table Percentages
Martinez-Iglewicz Normality Test	Probability Distribution Simulation	Table Statistics
Maximum	Probability Plots	Tables - Descriptive
McNemar Test	Proportion Trend Test	Test of Normality
Mean Absolute Deviation	Proportions	Tolerance Intervals
Mean Absolute Deviation from the Median	Proportions - Multiple Comparisons	Tolerance Limits
Mean Direction	Quartiles	Transformations
Means	Random Numbers	Transformations - Box-Cox
Median	Range	Transformations - Power
Minimum	Rayleigh Test	Transformations to Normality
Missing Count	Reliability	Trimmed Mean
Missing Value Estimation	Rose Plots	Trimmed Standard Deviation
Mixing Distributions	Rosner's Outlier Test	Tschuprow's T
Mode	Row Percentages	Tukey-Kramer Pairwise Multiple Comparisons of Proportions
Modified Kuiper's Test	Row-Column Independence Test	Tukey's Lambda Distribution
Moment	Score Test	Two-Way Tables
Monte-Carlo Simulation	Score Test Pairwise Multiple Comparisons of Proportions	Uniform Distribution
Multi-Group Concentration Homogeneity Test	Screening Data	Uniformity Test
Multinomial Distribution	SD	Variance
Multinomial Test	SE	Variation
Multiple Comparisons of Proportions	Shapiro-Wilk Normality Test	Von Mises Distribution
Multiple Comparisons of Proportions versus a Control	Simulate Data	Wald Ratio Multiple Comparisons of Proportions
Multivariate Normal Missing Value Estimation	Simulate Distribution	Watson and Williams Test
Normal Distribution	Simulation	Watson Test
Normal Probability	Simulator	Watson-Williams F-Test
Normal Probability Plots	Simultaneous confidence intervals of the differences among several proportions	Watson-Williams High Concentration F-Test
Normality Tests	Skewed Distribution	Weibull Distribution
Omnibus Normality Test	Skewness	Weighted Kappa
One-Sided Dunnett Multiple Comparisons of Proportions versus a Control	Skewness Normality Test	Weighted Kappa Reliability Test
Outlier Detection	Snedecor's F Distribution	Weighted Kappa Statistic
	Standard Deviation	Weighted Kappa Test for Inter-Rater Agreement
	Standard Error	Yates' Continuity Corrected Chi-Square Test
	Standardized Residuals	
	Stem-and-Leaf Plots	

## Design of Experiments

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

## Diagnostic Tests

Accuracy	Comparing Two ROC Curves - Independent Groups Design	Likelihood Ratio
Area Under Curve	Comparing Two ROC Curves - Paired Design	Miss Rate
Area Under ROC Curve	Confidence Intervals for Comparing Two AUCs	Negative Likelihood Ratio
Area Under ROC Curve Confidence Interval	Confidence Intervals for Comparing Two Paired AUCs	Negative Predictive Value
AUC	Cost-Benefit Analysis	Non-Inferiority of Two AUCs
AUC Confidence Interval	Diagnostic Odds Ratio	Non-Inferiority of Two Paired AUCs
AUC Hypothesis Test	Diagnostic Tests	Non-Inferiority Test for Sensitivity
Binary Diagnostic Tests	Empirical ROC Curve	Non-Inferiority Test for Specificity
Binary Diagnostic Tests - Clustered Samples	Equivalence of Two AUCs	Nonparametric ROC Curves
Binary Diagnostic Tests - Paired Samples	Equivalence of Two Paired AUCs	NPV
Binary Diagnostic Tests - Single Sample	Equivalence Test for Sensitivity	Odds Ratio
Binary Diagnostic Tests - Two Independent Samples	Equivalence Test for Specificity	One ROC Curve and Cutoff Analysis
Binormal ROC Curve	Equivalence Tests	Optimal Criterion Value
Cluster Randomization	Fall-out	Paired ROC Curves
Clustered Binary Diagnostic Tests	False Discovery Rate	Positive Likelihood Ratio
Comparing Two AUCs	False Negative Rate	Positive Predictive Value
Comparing Two Paired AUCs	False Omission Rate	PPV
	False Positive Rate	Precision
		Prevalence
		Proportion Correctly Classified
		Proportions
		Proportions Tests



## NCSS Procedure and Topic List (Categorized)

Receiver Operating Characteristic Curve	Sensitivity Non-Inferiority Tests	Tests for Two AUCs
Sensitivity	Specificity	Tests for Two Paired AUCs
Sensitivity Confidence Interval	Specificity Confidence Interval	True Negative Rate
Sensitivity Equivalence Tests	Specificity Equivalence Tests	True Positive Rate
Sensitivity Hypothesis Tests	Specificity Hypothesis Tests	Youden Index
	Specificity Non-Inferiority Tests	

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## Distribution Fitting

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

## NCSS Procedure and Topic List (Categorized)

## Forecasting

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

## Group-Sequential

Alpha Spending	Comparing a Poisson Rate to a Null Poisson Rate - Non-Inferiority - Group-Sequential	Comparing Two Hazard Rates - Group-Sequential
Beta Spending	Comparing a Poisson Rate to a Null Poisson Rate - Superiority by a Margin - Group-Sequential	Comparing Two Hazard Rates - Group-Sequential - Non-Inferiority
Binding Futility Boundary	Comparing a Proportion to a Null Proportion - Group-Sequential	Comparing Two Hazard Rates - Group-Sequential - Superiority by a Margin
Boundary Plot	Comparing a Proportion to a Null Proportion - Non-Inferiority - Group- Sequential	Comparing Two Means - Group- Sequential
Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential	Comparing a Proportion to a Null Proportion - Superiority by a Margin - Group-Sequential	Comparing Two Means - Non- Inferiority - Group-Sequential
Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Non-Inferiority		Comparing Two Means - Superiority by a Margin - Group-Sequential
Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Superiority by a Margin		
Comparing a Poisson Rate to a Null Poisson Rate - Group-Sequential		

## NCSS Procedure and Topic List (Categorized)

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

## NCSS Procedure and Topic List (Categorized)

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

## NCSS Procedure and Topic List (Categorized)

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

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## Item Analysis

Alpha - Cronbach's  
Coefficient Alpha  
Cronbach's Alpha

Item Analysis  
Item Response Analysis  
Item Response Plots

Multivariate Analysis  
Reliability



## NCSS Procedure and Topic List (Categorized)

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## Meta-Analysis

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

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## Method Comparison

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



## NCSS Procedure and Topic List (Categorized)

**Mixed Models**

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

**Multivariate Analysis**

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

## NCSS Procedure and Topic List (Categorized)

Regression Scores Plots	Score Coefficients	Subset Selection
Repeated Measures	Scores Plots	T2
Repeated Measures Analysis of Variance	Scree Plots	T-Tests
Robust Weight	Simultaneous C.I.'s	Variable Selection
Roy's Largest Root	Sphericity Test	Variable-Variate Correlations
R-Squared	Standardized Canonical Coefficients	Varimax Rotation
	Stress	Wilks' Lambda

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## Nondetects Data

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

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## Nonparametric

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

## Operations Research

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

## Proportions

2x2 Table	Cluster Randomization - Create	Confidence Interval for Proportions
Absolute Risk	Cluster Rates Dataset	Contingency Tables
Adjusted Kappa Statistic	Cluster Rates	Contingency Tables (Crosstabs / Chi-Square Test)
Alpha Spending	Cluster Survival	Continuity Correction
Angular Transformation of Proportions	Cochran-Armitage Proportion Trend Test	Correlated Proportions
ArcSin Transformation	Cochran-Armitage Proportion Trend Test with Continuity Correction	Correlation Statistics
Armitage Rank Correlation Test	Cochran's Q Test	Count Adjustment
Association - Partial and Marginal	Column Percentages	Count Tables
Association and Correlation Statistics	Comparing a Proportion to a Null Proportion - Group-Sequential	Counts
Bar Charts	Comparing a Proportion to a Null Proportion - Non-Inferiority - Group-Sequential	Cramer's V
Barnard Exact Test	Comparing a Proportion to a Null Proportion - Superiority by a Margin - Group-Sequential	Cross Tabulation
Beta Spending	Comparing Two Proportions - Group-Sequential	Crosstabs
Binding Futility Boundary	Comparing Two Proportions - Non-Inferiority - Group-Sequential	Descriptive Statistics
Binomial Test	Comparing Two Proportions - Superiority by a Margin - Group-Sequential	Descriptive Tables
Binomial Test of Odds Ratio	Conditional Exact Confidence Interval - Odds Ratio	Difference in Proportions
Blackwelder Test	Conditional Mantel-Haenszel Test	Difference in Proportions - Group-Sequential
Blackwelder-Nam Confidence Interval	Conditional Power	Difference in Proportions - Non-Inferiority - Group-Sequential
Bonferroni Multiple Comparisons of Proportions versus a Control	Confidence Interval	Difference in Proportions - Superiority by a Margin - Group-Sequential
Bootstrap Confidence Interval	Confidence Interval for One Proportion	Dunnett Multiple Comparisons of Proportions versus a Control
Bootstrapping		Efficacy Boundaries
Boundary Plot		Equivalence Tests
Cell Counts		Equivalence Tests using TOST
Chen's Quasi-Exact Confidence Interval		Exact Binomial Test
Chi-Square		Exact Conditional Binomial Test
Chi-Square Test		Exact Conditional Confidence Interval
Cluster Proportions		Exact Confidence Interval
Cluster Randomization		Exact Test
Cluster Randomization - Create Cluster Proportions Dataset		

## NCSS Procedure and Topic List (Categorized)

Expected Counts	Kappa Reliability Test	Partial Association
Farrington-Manning Score	Kappa Statistic	Pearson Chi-square
Fisher Conditional Exact Test	Kappa Test for Inter-Rater Agreement	Pearson Conditional Exact Test
Fisher's Exact Test	Katz Logarithm Confidence Interval	Pearson's Chi-Square Test
Fleiss Confidence Interval	Kendall's Tau	Pearson's Contingency Coefficient
Freeman-Tukey Standardized Residual	Lambda	Percentages
Frequencies	Likelihood Ratio Test	Phi
Frequency Tables	LLM	Predictive Power
FT-SR	Loglinear Models	Proportion - One
Futility Boundaries	Mantel-Haenszel Confidence Intervals	Proportion Trend Test
Gamma	Mantel-Haenszel Test	Proportions
Gart-Nam Score	Many to one Multiple Comparisons of Proportions	Proportions - Multiple Comparisons
Goodness-of-Fit Tests	Marginal Association	Proportions - Two
Group-Sequential Analysis for One Proportion	McNemar Test	Proportions Tests
Group-Sequential Analysis for Two Proportions	Miettinen-Nurminen Score	Ratio of Proportions
Group-Sequential Design - One Proportion	Minimum Required Difference	Re-estimation of Sample Size
Group-Sequential Design - One Proportion - Non-Inferiority	Multinomial Test	Relative Risk
Group-Sequential Design - One Proportion - Superiority by a Margin	Multiple Comparison Tests	Relative Risk Reduction
Group-Sequential Design - Two Proportions	Multiple Comparisons of Proportions	Reliability
Group-Sequential Design - Two Proportions - Non-Inferiority	Multiple Comparisons of Proportions versus a Control	Risk Ratio
Group-Sequential Design - Two Proportions - Superiority by a Margin	Multiway Frequency Analysis	Risk Reduction
Group-Sequential Non-Inferiority Analysis for One Proportion	Nam Equivalence Test	Robins Confidence Interval
Group-Sequential Non-Inferiority Analysis for Two Proportions	Nam Score Confidence Interval	Row Percentages
Group-Sequential Superiority by a Margin Analysis for One Proportion	Nam Score Test	Row-Column Independence Test
Group-Sequential Superiority by a Margin Analysis for Two Proportions	Nam-Blackwelder Confidence Interval	Sample Size Re-estimation Score
Hierarchical Models	Nam-Blackwelder Test	Score Test Pairwise Multiple Comparisons of Proportions
Incidence rates	Non-Binding Futility Boundary	Score Tests
Independence Tests	Non-Inferiority	SD
Interim Analysis - One Proportion	Non-Inferiority Tests	Simultaneous confidence intervals of the differences among several proportions
Interim Analysis - One Proportion - Non-Inferiority	Nonparametric	Spending Functions
Interim Analysis - One Proportion - Superiority by a Margin	Nonparametric Tests	Standard Deviation
Interim Analysis - Two Proportions	Number Needed to Treat	Standardized Residuals
Interim Analysis - Two Proportions - Non-Inferiority	Odds Ratio	Studentized Range Distribution
Interim Analysis - Two Proportions - Superiority by a Margin	One Proportion	Summarize Clusters
Inter-Rater Agreement (Kappa)	One Proportion - Equivalence Tests	Summary Lists
	One Proportion - Group-Sequential	Summary Tables
	One Proportion - Non-Inferiority - Group-Sequential	Sums
	One Proportion - Non-Inferiority Tests	Superiority by a Margin
	One Proportion - Superiority by a Margin - Group-Sequential	Superiority by a Margin Tests
	One Proportion - Superiority by a Margin Tests	Superiority Tests
	One Proportion Tests	Survival Rates
	One-Sided Dunnett Multiple Comparisons of Proportions versus a Control	Symmetric Lambda
	Paired Proportions	Table of Proportions
	Paired T-Test	Table of Rates
	Pairwise Multiple Comparisons of Proportions	Table Percentages
		Table Statistics
		Tables - Descriptive
		TOST
		TOST Equivalence Test

## NCSS Procedure and Topic List (Categorized)

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

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## Quality Control

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



## NCSS Procedure and Topic List (Categorized)

Reproducibility	Single-Sample k-category Runs Test	Time Series
Runs Analysis	for Randomness	Time Series Plots
Runs Charts	Single-Sample Runs Test for	Tolerance Intervals
Runs Test for Serial Randomness	Randomness	Tolerance Limits
Runs Tests	Single-Sample Runs Test for Serial	Tolerance R & R
s Charts	Randomness	U Charts
Sampling Plans	Single-Sample Runs Tests	Up-Down Runs Test
Sbar	Sinusoidal Pattern	Wald-Wolfowitz Runs Test
Scatter Plots	Skewness	Westgard Rules
Serial Randomness	Skewness Normality Test	X-bar and R Charts
Shapiro-Wilk Normality Test	Standard Deviation Charts	X-bar and s Charts
Shewhart	Test for Serial Randomness	Xbar Charts
Sigma Limits	Tests for Randomness	X-bar Charts
Signal-to-Noise Ratio	Tests for Runs	Zones

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## Reference Intervals

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

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## Regression

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



## NCSS Procedure and Topic List (Categorized)

Box-Cox Transformation	D'Agostino Skewness Normality Test	General Linear Models (GLM)
Box-Cox Transformation for Simple Linear Regression	Data Fitting	General Linear Models (GLM) for Fixed Factors
Breslow Ties	Deming Regression	Geometric Regression
Canonical Coefficients	Descriptive Statistics	GLM
Canonical Scores	Deviance Residuals	Gompertz Model Fit
Canonical Scores Plots	Deviance Test	Goodness-of-Fit Tests
Canonical Variates	DFBETA	Group Comparison Plots
Case-Control	DFCHI2	Harmonic Regression
Censored Regression	DFDEV	Hat Diagonal
Censoring	DFFITs	Hat Values
Change in Deviance Test	Difference vs. Average Plots	Hat vs. Row Plots
Chi-Square	Discriminant Analysis	Hausmans Test
Chi-Square Test	Dispersion Alpha	Hazard Function
Cochrane-Orcutt Procedure	Dispersion Phi	Hazard Function Plots
Coefficient of Variation	Dose	Hazard Rate
Coefficients	Dose-Response	Hazard Ratio
Comparing Two Means	Dose-Response Plots	Heteroscedasticity
Conditional Logistic Regression	Dunnett's Confidence Intervals	Hierarchical Forward Selection
Confidence Band	Dunnett's Test vs. a Control	Hierarchical Models
Confidence Interval	Durbin-Watson Test	Hierarchical Regression
Contour Plots	Econometrics	Hierarchical Subset Search
Cook's D	Efron Ties	Hill Model Fit
Cook's Distance	Eigenvalues	Histograms
Correlation - Pearson	Eigenvectors	Holliday Model Fit
Correlation - Spearman	Endogeneity	Honest Significant Difference
Correlation Coefficient	Endogenous Variables	Huber's Method
Correlation Matrix	Enzyme Kinetics	Hyperbola
Cosines	Equal Variance Tests	Incidence Plots
Counts	Equivalence	Incidence Rate
Counts Regression	Equivalence Tests	Influence
COV	Equivalence Tests using TOST	Instrument Variables
Covariance	Errors-in-Variables Regression	Instrumental Variables
Covariance Analysis	Estimation of Property Values	Jackknife Standard Error Estimation
Cox Proportional Hazards Regression	Exogenous Variables	K Analysis
Cox Regression	Exponential Error Regression	Kendall's Tau Correlation
Cox-Snell Residuals	Exponential Model Fit	Kinetics
Cp	Exponential Regression	Kurtosis Normality Test
Cp Plots	Extreme Value Error Regression	Lack-of-Fit Test
Cubic Model Fit	Factorial Design Analysis	Lambda
Cumulative Hazard	Farazdaghi and Harris Model Fit	Least Squares
Cumulative Survival	Fisher's LSD Test	Levenberg-Marquardt Nonlinear Least-Squares Algorithm
Curve Fitting	Fisher's Z Transformation	Levene's Equal Variance Test
Curve Fitting - General	Fixed Factor	Likelihood Ratio Test
Curve Fitting Plots	Forecasting	Linear Discriminant Function
Curve Inequality Test	Forward Selection	Linear Discriminant Scores
Custom Model	Forward-Step Regression	Linear Discriminant Scores Plots
CUSUM Test	Fourier Series	Linear Model Fit
Cycle Regression	Fractional Polynomial Regression	Linear Regression
Cycles	Fractional Polynomials	Linear Regression - Box-Cox
Cyclical Regression	Frequencies	Linear Regression and Correlation
D'Agostino Kurtosis Normality Test	F-Test	Linear-Linear Model Fit
D'Agostino Omnibus Normality Test	Function Plots	
	G Statistic Test	

## NCSS Procedure and Topic List (Categorized)

Linear-Linear-Linear Model Fit	Multivariate Analysis	Power Transformation
Linear-Logistic Model	Multivariate Polynomial Ratio Fit	Predicted Values
Linear-Quadratic Model Fit	Multivariate Regression	Prediction Limits
Loess	Multivariate Variable Selection	PRESS Statistics
Logarithmic Model Fit	Nash's MRT Algorithm	Principal Components
Logistic Error Regression	Negative Binomial Regression	Principal Components Regression
Logistic Model Fit	Nominal Logistic Regression	Prob Correct vs. Cutoff Plots
Logistic Regression	Nondetects Analysis	Probability Ellipse
Logit	Nondetects-Data Regression	Probability Plots
Log-Logistic Error Regression	Non-Inferiority	Probit Analysis
Log-Logistic Regression	Non-Inferiority Tests	Probit Plots
Log-Normal Distribution	Nonlinear Regression	Property Valuation
Log-Normal Error Regression	Nonparametric Tests	Proportional Errors
Log-Normal Model Fit	Normal Error Regression	Proportional Hazards Regression
Log-Normal Regression	Normal Model Fit	Quadratic Model Fit
Lowess	Normal Range	Quadratic-Linear Model Fit
Mallow's Cp	Normal Regression	Quadratic-Quadratic Model Fit
Mallow's Cp	Normality Plots	Quantile Regression
Martingale Residuals	Normality Test	Randomization Test
Mass Appraisal	Normality Tests	Rank Regression
Matched	OLS	Ratio of Polynomials
McHenry's Select Algorithm	One-Way Analysis of Covariance (ANCOVA)	Ratio of Polynomials Fit
Means	One-Way Analysis of Variance	Ratio of Polynomials Fit - Many Variables
Means Plots	One-Way ANOVA	Ratio of Polynomials Fit - One Variable
Measurement Error	Ordinary Least Squares	Ratio of Polynomials Search
Median-Slope Regression	Orthogonal Regression	Ratio of Polynomials Search - Many Variables
Mediation Analysis	Outlier Detection	Ratio of Polynomials Search - One Variable
Mediation Regression	Outliers	Reciprocal Model Fit
M-Estimators	Overdispersion	Reference Interval
Method Comparison	Paired Comparisons	Reference Range
Michaelis-Menten Equation	Paired t-test	Regression
Michaelis-Menten Model Fit	Parametric Survival (Weibull) Regression	Regression Analysis
Min MSE	Parametric Survival Regression	Regression Coefficients
Min RMSE	Partial Correlation	Regression for Appraisal
Minimum MSE	Partial Residual Plots	Regression Scores Plots
Minimum RMSE	Passing Bablok Regression	Relative Risk
Model Fitting	Passing Regression	Reliability
Model Fitting for Appraisal	Passing-Bablok Regression for Method Comparison	Residual Plots
Model Searching	PC Regression	Residuals
Monomolecular Model Fit	Pearson Correlation	Response Surface
Morgan-Mercer-Floding Model Fit	Pearson Residuals	Response Surface Regression
Multicollinearity	Pearson Test	Richards Model Fit
Multinomial Logistic Regression	Periodic Regression	Ridge Regression
Multiple Comparison Tests	Poisson Distribution	Ridge Trace
Multiple Comparisons Plots	Poisson Regression	Ridge Trace Plots
Multiple Linear Regression	Poisson-Gamma Regression	Risk Ratio
Multiple Regression	Polynomial Ratio	Robust
Multiple Regression - Basic	Polynomial Ratio Model Fit	Robust Linear Regression (Passing- Bablok Median-Slope)
Multiple Regression for Appraisal	Polynomial Regression	
Multiple Regression with Serial Correlation	Power Model Fit	
Multiple-Group Logistic Regression		
Multisample Test		

## NCSS Procedure and Topic List (Categorized)

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

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## Reliability

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

## NCSS Procedure and Topic List (Categorized)

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

## NCSS Procedure and Topic List (Categorized)

Hazard Rates Group-Sequential	Logistic Fit	One Hazard Rate Group Sequential - Superiority by a Margin
Hazard Rates Group-Sequential - Non-Inferiority	Logistic Probability Plots	One Survival Curve - Group-Sequential
Hazard Rates Group-Sequential - Superiority by a Margin	Logistic Regression	One Survival Curve - Group-Sequential - Non-Inferiority
Hazard Rates One Group-Sequential	Log-Logistic Distribution	One Survival Curve - Group-Sequential - Superiority by a Margin
Hazard Rates One Group-Sequential - Non-Inferiority	Log-Logistic Error Regression	One Survival Curve Group Sequential - Non-Inferiority
Hazard Rates One Group-Sequential - Superiority by a Margin	Log-Logistic Fit	One Survival Curve Group Sequential - Superiority by a Margin
Hazard Rates Two Group-Sequential	Log-Logistic Probability Plots	Outliers
Hazard Rates Two Group-Sequential - Non-Inferiority	Log-Logistic Regression	Parametric Hazard Rate
Hazard Rates Two Group-Sequential - Superiority by a Margin	Log-Normal Distribution	Parametric Survival (Weibull) Regression
Hazard Ratio	Log-Normal Error Regression	Parametric Survival Regression
Hazard Ratio Conversion	Log-Normal Fit	Pepe and Mori's Test
Hierarchical Models	Log-Normal Probability Plots	Peto-Peto Test
Hierarchical Subset Search	Log-Normal Regression	Probability of Failure
Histograms	Logrank Test	Probability Plots
Incidence rates	Logrank Test - Group-Sequential	Probit Analysis
Interim Analysis - Logrank Test	Mantel-Haenszel Confidence Intervals	Probit Plots
Interim Analysis - One Hazard Rate	Mantel-Haenszel Logrank Test	Product-Limit Estimator
Interim Analysis - One Hazard Rate - Non-Inferiority	Mantel-Haenszel Test	Product-Limit Survivorship
Interim Analysis - One Hazard Rate - Superiority by a Margin	Martingale Residuals	Proportional Hazards Regression
Interim Analysis - One Survival Curve	Mean Survival Comparisons	Proportions
Interim Analysis - One Survival Curve - Non-Inferiority	Mean Survival Time	Proportions Tests
Interim Analysis - One Survival Curve - Superiority by a Margin	Mean Time Lost	Randomization Test
Interim Analysis - Two Hazard Rates	Mean Time Lost Comparisons	Regression
Interim Analysis - Two Hazard Rates - Non-Inferiority	Median Remaining Lifetime	Regression Coefficients
Interim Analysis - Two Hazard Rates - Superiority by a Margin	Median Survival Time Conversion	Relative Risk
Interim Analysis - Two Survival Curves	Mill's Ratio	Reliability
Interim Analysis - Two Survival Curves - Non-Inferiority	Model Fitting	Residual Plots
Interim Analysis - Two Survival Curves - Superiority by a Margin	Modified Peto-Peto Test	Residuals
Kaplan-Meier	Mortality Ratio Conversion	Restricted Mean Survival Time
Kaplan-Meier Curves	MRT	Restricted Mean Survival Time Difference Comparisons
Kaplan-Meier Curves (Logrank Tests)	Nelson-Aalen Hazard	Restricted Mean Survival Time Ratio Comparisons
Kolmogorov-Smirnov Test	Newton-Raphson	Restricted Mean Time Lost
Kurtosis	Non-Binding Futility Boundary	Restricted Mean Time Lost Ratio Comparisons
Kurtosis Normality Test	Non-Inferiority	Risk Ratio
Life-Table Analysis	Non-Inferiority Tests	RMST
Likelihood Ratio Test	Nonparametric	RMST Difference Comparisons
Logistic Distribution	Nonparametric Survival Estimation	RMST Ratio Comparisons
Logistic Error Regression	Normal Distribution	RMTL
	Normal Error Regression	RMTL Ratio Comparisons
	Normal Fit	Robins Confidence Interval
	Normal Probability Plots	R-Squared
	Normal Regression	Scaled Schoenfeld's Residuals
	Normality Tests	
	Number At Risk	
	Odds Ratio	
	One Hazard Rate - Group-Sequential	
	One Hazard Rate - Group-Sequential - Non-Inferiority	
	One Hazard Rate - Group-Sequential - Superiority by a Margin	
	One Hazard Rate Group Sequential	
	One Hazard Rate Group Sequential - Non-Inferiority	



## NCSS Procedure and Topic List (Categorized)

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

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## ROC Curves

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



## Survey Data

Adjusted Kappa Statistic	Descriptive Statistics	Multinomial Test
Alpha - Cronbach's	Descriptive Statistics - Summary Lists	Multiple Comparison Tests
Angular Transformation of Proportions	Descriptive Statistics - Summary Tables	Multiple Comparisons of Proportions
ArcSin Transformation	Descriptive Tables	Multiple Comparisons of Proportions versus a Control
Armitage Rank Correlation Test	Detecting Outliers	Multivariate Analysis
Association - Partial and Marginal	Dunnett Multiple Comparisons of Proportions versus a Control	Multivariate Normal Missing Value Estimation
Association and Correlation Statistics	Exact Test	Multiway Frequency Analysis
Bar Charts	Expected Counts	Nonparametric
Bonferroni Multiple Comparisons of Proportions versus a Control	Fisher's Exact Test	Nonparametric Tests
Cell Counts	Freeman-Tukey Standardized Residual	Normality Tests
Chi-Square	Frequency Tables	Omnibus Normality Test
Chi-Square Test	FT-SR	One-Sided Dunnett Multiple Comparisons of Proportions versus a Control
Cluster Means	Gamma	Outlier Detection
Cluster Proportions	Goodness-of-Fit Tests	Outliers
Cluster Randomization	Hierarchical Models	Paired T-Test
Cluster Randomization - Create Cluster Means Dataset	Imputation	Pairwise Multiple Comparisons of Proportions
Cluster Randomization - Create Cluster Proportions Dataset	Imputing Data	Partial Association
Cluster Randomization - Create Cluster Rates Dataset	Incidence rates	Pearson Chi-square
Cluster Rates	Independence Tests	Pearson's Chi-Square Test
Cluster Survival	Interquartile Range	Pearson's Contingency Coefficient
Cochran-Armitage Proportion Trend Test	Inter-Rater Agreement (Kappa)	Percentages
Cochran-Armitage Proportion Trend Test with Continuity Correction	IQR	Percentiles
Cochran's Q Test	Item Analysis	Phi
COD	Kappa Reliability Test	Proportion Trend Test
Coefficient Alpha	Kappa Statistic	Proportions
Coefficient of Dispersion	Kappa Test for Inter-Rater Agreement	Proportions - Multiple Comparisons
Coefficient of Variation	Kendall's Tau	Range
Column Percentages	Kurtosis	Reliability
Confidence Interval	Kurtosis Normality Test	Row Percentages
Contingency Tables	Lambda	Row-Column Independence Test
Contingency Tables (Crosstabs / Chi-Square Test)	Likelihood Ratio Test	Score Test Pairwise Multiple Comparisons of Proportions
Continuity Correction	LLM	Screening Data
Correlation Statistics	Loglinear Models	SD
Count Adjustment	MAD	SE
Count Tables	MADM	Simultaneous confidence intervals of the differences among several proportions
Counts	Many to one Multiple Comparisons of Proportions	Skewness
COV	Marginal Association	Skewness Normality Test
Cramer's V	Maximum	Standard Deviation
Cronbach's Alpha	McNemar Test	Standard Error
Cross Tabulation	Mean Absolute Deviation	Standardized Residuals
Crosstabs	Mean Absolute Deviation from the Median	Studentized Range Distribution
CV	Means	Summarize Clusters
Data Imputation	Median	Summary Lists
Data Screening	Minimum	
	Minimum Required Difference	
	Missing Count	
	Missing Value Estimation	

## NCSS Procedure and Topic List (Categorized)

Summary Tables	Tables - Descriptive	Weighted Kappa
Sums	Tschuprow's T	Weighted Kappa Reliability Test
Survival Rates	Tukey-Kramer Pairwise Multiple	Weighted Kappa Statistic
Symmetric Lambda	Comparisons of Proportions	Weighted Kappa Test for Inter-Rater
Table of Means	Two-Way Tables	Agreement
Table of Proportions	Variance	Yates' Continuity Corrected Chi-
Table of Rates	Variation	Square Test
Table Percentages	Wald Ratio Multiple Comparisons of	
Table Statistics	Proportions	

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## Survival Analysis

2x2 Table	Comparing Two Hazard Rates -	Difference in Survival Curves - Group-
Accelerated Testing	Group-Sequential - Superiority by a	Sequential - Non-Inferiority
Alpha Spending	Margin	Difference in Survival Curves - Group-
Analysis of Deviance	Comparing Two Survival Curves -	Sequential - Superiority by a Margin
Anderson-Darling Normality Test	Group-Sequential	Differential Evolution
Arcsine Square Root Hazard	Comparing Two Survival Curves -	Distribution (Weibull) Fitting
At-Risk Table	Group-Sequential - Non-Inferiority	Distribution Fitting
Bar Charts	Comparing Two Survival Curves -	Dose
Beta Distribution Fitting	Group-Sequential - Superiority by a	Dose-Response
Beta Reliability Plots	Margin	Dose-Response Plots
Beta Spending	Competing Risks	Efficacy Boundaries
Binding Futility Boundary	Confidence Interval	Efron Ties
Biweight Kernel	Counts	Epanechnikov Kernel
Boundary Plot	Cox Proportional Hazards Regression	Equivalence
Breslow Ties	Cox Regression	Equivalence Tests
Calculator - Survival Parameters	Cox-Mantel Logrank Test	Equivalence Tests using TOST
Censored Regression	Cox-Snell Residuals	Exact Test
Censoring	Cumulative Hazard	Exponential Distribution
Change in Deviance Test	Cumulative Incidence	Exponential Error Regression
Chi-Square Test	Cumulative Incidence Plots	Exponential Fit
CIF	Cumulative Survival	Exponential Probability Plots
Cluster Randomization	Cumulative Survival Plots	Exponential Regression
Cluster Randomization - Create	Custom Model	Extreme Value Distribution
Cluster Rates Dataset	D'Agostino Kurtosis Normality Test	Extreme Value Error Regression
Cluster Rates	D'Agostino Omnibus Normality Test	Extreme Value Fit
Cluster Survival	D'Agostino Skewness Normality Test	Extreme Value Probability Plots
Comparing a Hazard Rate to a Null	Death Density Function	Failure Distribution
Hazard Rate - Group-Sequential	Descriptive Statistics	Failure Probability
Comparing a Hazard Rate to a Null	Descriptive Tables	Fisher's Exact Test
Hazard Rate - Group-Sequential -	Deviance Residuals	Fleming-Harrington Test
Non-Inferiority	Deviance Test	Forward Selection
Comparing a Hazard Rate to a Null	Difference in Hazard Rates - Group-	Futility Boundaries
Hazard Rate - Group-Sequential -	Sequential	Gamma Distribution Fitting
Superiority by a Margin	Difference in Hazard Rates - Group-	Gehan Test
Comparing Two Hazard Rates -	Sequential - Non-Inferiority	Gray's Test
Group-Sequential	Difference in Hazard Rates - Group-	Greenwood's Formula
Comparing Two Hazard Rates -	Sequential - Superiority by a Margin	Group-Sequential
Group-Sequential - Non-Inferiority	Difference in Survival Curves - Group-	Group-Sequential Analysis for One
	Sequential	Hazard Rate

## NCSS Procedure and Topic List (Categorized)

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

## NCSS Procedure and Topic List (Categorized)

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

## NCSS Procedure and Topic List (Categorized)

Two Survival Curves Group	Two-Sample Superiority by a Margin	Weibull Error Regression
Sequential - Superiority by a Margin	Tests for Survival Data using Cox	Weibull Fit
Two-by-Two Tables	Regression	Weibull Probability Plots
Two-Sample Equivalence Tests for	Uniform Kernel	Weibull Regression
Survival Data using Cox Regression	Variable Selection	Woolf's Confidence Interval
Two-Sample Non-Inferiority Tests for	Wald Test	Woolf's Confidence Limits
Survival Data using Cox Regression	Weibull Distribution	Woolf's Odds Ratio Analysis

## Time Series

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

## T-Tests

2x2 Cross-Over Design	Analysis of 2x2 Cross-Over Designs	Analysis of 2x2 Cross-Over Designs
Agreement	using T-Tests	using T-Tests for Non-Inferiority
Alias	Analysis of 2x2 Cross-Over Designs	Analysis of 2x2 Cross-Over Designs
Alpha Spending	using T-Tests for Equivalence	using T-Tests for Superiority by a
		Margin



## NCSS Procedure and Topic List (Categorized)

Analysis of Covariance	Confidence Interval for SD	Group-Sequential Non-Inferiority
Analysis of Covariance (ANCOVA) with Two Groups	Confidence Interval for SD Ratio	Analysis for Two Means with Known Variances
Analysis of Two-Level Designs	Confidence Interval for Standard Deviation	Group-Sequential Non-Inferiority T- Tests for One Mean
Analysis of Variance	Confounding	Group-Sequential Non-Inferiority T- Tests for Two Means
ANCOVA	Correlated T-Test	Group-Sequential Superiority by a Margin Analysis for One Mean with Known Variance
Anderson and Hauck's Test	Correlation Coefficient	Group-Sequential Superiority by a Margin Analysis for Two Means with Known Variances
ANOVA	Covariance	Group-Sequential Superiority by a Margin T-Tests for One Mean
AOV	Covariance Analysis	Group-Sequential Superiority by a Margin T-Tests for Two Means
Aspin-Welch Unequal-Variance T- Test	Cross-Over Analysis	Group-Sequential Tests
Average-Difference Plots	Cross-Over Design Analysis	Group-Sequential Tests for One Mean
Bartlett's Test	Cross-Over Means	Group-Sequential Tests for One Mean - Non-Inferiority
Beta Spending	Cross-Over Two Means	Group-Sequential Tests for One Mean - Superiority by a Margin
Binding Futility Boundary	Descriptive Statistics	Group-Sequential Tests for Two Means - Non-Inferiority
Bioequivalence	Difference in Means	Group-Sequential Tests for Two Means - Superiority by a Margin
Bioequivalence Tests	Difference in Means - Group Sequential	Group-Sequential T-Test
Bland-Altman	Difference in Means - Group- Sequential	Group-Sequential T-Test - Non- Inferiority
Bland-Altman Plot and Analysis	Difference in Means - Non-Inferiority - Group-Sequential	Group-Sequential T-Test - Superiority by a Margin
Bland-Altman Plots	Difference in Means - Superiority by a Margin - Group-Sequential	Group-Sequential T-Tests for One Mean
Bonferroni C.I.'s	Difference in Medians	Group-Sequential T-Tests for Two Means
Bootstrap Confidence Interval	Efficacy Boundaries	Histograms
Bootstrapping	Eigenvalues	Hotelling's One-Sample T2
Boundary Plot	Equal Variance Tests	Hotelling's Paired-Sample T2
Box Plots	Equal-Variance Test	Hotelling's Two-Sample T2
Box-and-Whisker Plots	Equivalence Tests	Interim Analysis - One Mean
Box-Cox Algorithm	Equivalence Tests using TOST	Interim Analysis - One Mean - Non- Inferiority
Box-Cox for ANOVA	F-Test	Interim Analysis - One Mean - Superiority by a Margin
Box-Cox for One-Way ANOVA	Futility Boundaries	Interim Analysis - Two Means
Box-Cox for T-Test	Group Comparison Plots	Interim Analysis - Two Means - Non- Inferiority
Box-Cox Plots	Group-Sequential	Interim Analysis - Two Means - Superiority by a Margin
Box-Cox Power Transformation	Group-Sequential Analysis for One Mean with Known Variance	Kolmogorov-Smirnov Test
Box-Cox Transformation	Group-Sequential Analysis for Two Means with Known Variances	Kurtosis Normality Test
Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)	Group-Sequential Design - One Mean	Lambda
Box's M Test	Group-Sequential Design - One Mean - Non-Inferiority	
Compare Means	Group-Sequential Design - One Mean - Superiority by a Margin	
Compare Two Distributions	Group-Sequential Design - Two Means	
Comparing Paired Difference Means	Group-Sequential Design - Two Means - Non-Inferiority	
Comparing Two Means	Group-Sequential Design - Two Means - Superiority by a Margin	
Comparing Two Means - Group- Sequential	Group-Sequential Non-Inferiority Analysis for One Mean with Known Variance	
Comparing Two Means - Non- Inferiority - Group-Sequential		
Comparing Two Means - Superiority by a Margin - Group-Sequential		
Conditional Power		
Confidence Interval		
Confidence Interval for Means		
Confidence Interval for Medians		
Confidence Interval for One Mean		
Confidence Interval for Paired Means		

## NCSS Procedure and Topic List (Categorized)

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

## NCSS Procedure and Topic List (Categorized)

Two-Sample T-Test from Means and SD's	Variance Ratio Equal-Variance Test	Wilcoxon Signed-Rank Test
Two-Treatment Cross-Over Analysis	Variance Ratio Test	Wilcoxon Test
Unequal-Variance T-Tests	Variance Test	Wilcoxon-Mann-Whitney Test
Variance Equality Tests	Westlake's Confidence Interval	Z-Tests
	Wilcoxon Rank-Sum Test	

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## Two-Way Tables

2x2 Table	Gamma	Percentages
Adjusted Kappa Statistic	Goodness-of-Fit Tests	Phi
Angular Transformation of Proportions	Hierarchical Models	Proportion Trend Test
ArcSin Transformation	Independence Tests	Proportions
Armitage Rank Correlation Test	Inter-Rater Agreement (Kappa)	Proportions - Multiple Comparisons
Association - Partial and Marginal	Kappa Reliability Test	Proportions Tests
Association and Correlation Statistics	Kappa Statistic	Reliability
Bar Charts	Kappa Test for Inter-Rater Agreement	Robins Confidence Interval
Bonferroni Multiple Comparisons of Proportions versus a Control	Kendall's Tau	Row Percentages
Cell Counts	Lambda	Row-Column Independence Test
Chi-Square	Likelihood Ratio Test	Score Test Pairwise Multiple Comparisons of Proportions
Chi-Square Test	LLM	Simultaneous confidence intervals of the differences among several proportions
Cochran-Armitage Proportion Trend Test	Loglinear Models	Standardized Residuals
Cochran-Armitage Proportion Trend Test with Continuity Correction	Mantel-Haenszel Confidence Intervals	Studentized Range Distribution
Cochran's Q Test	Mantel-Haenszel Test	Symmetric Lambda
Column Percentages	Many to one Multiple Comparisons of Proportions	Table Percentages
Contingency Tables	Marginal Association	Table Statistics
Contingency Tables (Crosstabs / Chi-Square Test)	McNemar Test	Tschuprow's T
Continuity Correction	Minimum Required Difference	Tukey-Kramer Pairwise Multiple Comparisons of Proportions
Correlation Statistics	Multinomial Test	Two-by-Two Tables
Count Adjustment	Multiple Comparison Tests	Two-Way Tables
Count Tables	Multiple Comparisons of Proportions	Wald Ratio Multiple Comparisons of Proportions
Counts	Multiple Comparisons of Proportions versus a Control	Weighted Kappa
Cramer's V	Multiway Frequency Analysis	Weighted Kappa Reliability Test
Cross Tabulation	Nonparametric	Weighted Kappa Statistic
Crosstabs	Nonparametric Tests	Weighted Kappa Test for Inter-Rater Agreement
Descriptive Statistics	Odds Ratio	Woolf's Confidence Interval
Dunnnett Multiple Comparisons of Proportions versus a Control	One-Sided Dunnnett Multiple Comparisons of Proportions versus a Control	Woolf's Confidence Limits
Exact Test	Paired T-Test	Woolf's Odds Ratio Analysis
Expected Counts	Pairwise Multiple Comparisons of Proportions	Yates' Continuity Corrected Chi-Square Test
Fisher's Exact Test	Partial Association	
Freeman-Tukey Standardized Residual	Pearson Chi-square	
Frequency Tables	Pearson's Chi-Square Test	
FT-SR	Pearson's Contingency Coefficient	

## NCSS Procedure and Topic List (Categorized)

## Graphics

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

## NCSS Procedure and Topic List (Categorized)

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

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## Data

Assigning Subjects to Groups	Combining Distributions	Descriptive Statistics - Summary Lists
Bar Charts	Complete Randomization	Descriptive Tables
Beta Distribution	Conditional Data Search	Design of Experiments
Biased Coin Randomization	Conditional Search	Detecting Outliers
Bimodal Data	Confidence Interval	Distance
Binomial Distribution	Constant Distribution	Distribution Simulation
Block Outlier Tests	Contaminated Normal Distribution	DOE
Block Randomization	Counts	Efron's Biased Coin Randomization
Box-Cox Algorithm	COV	Entering Data
Box-Cox for Linear Regression	CV	ESD Outliers
Box-Cox for Regression	Data Entry	Experimental Design
Box-Cox Plots	Data Entry and Search Tool	Exponential Distribution
Box-Cox Power Transformation	Data Entry Tool	Exporting Data from R
Box-Cox Transformation	Data Export to All Major Statistical	Exporting Data to R
Box-Cox Transformation for Simple Linear Regression	Data File Formats	Extreme Studentized Deviate
Caliper Matching	Data Import from All Major Statistical	Extreme Values
Cauchy Distribution	Data File Formats	F Distribution
Centers	Data Imputation	Filter
Cluster Means	Data List	Find Rows
Cluster Proportions	Data Matching	Find Tool
Cluster Randomization	Data Matching - Greedy	Finding Data
Cluster Randomization - Create Cluster Means Dataset	Data Matching - Optimal	Finding Data using the Filter
Cluster Randomization - Create Cluster Proportions Dataset	Data Merge	Forced Match
Cluster Randomization - Create Cluster Rates Dataset	Data Report	Gamma Distribution
Cluster Rates	Data Sampling	Generating Data
Cluster Survival	Data Screening	Greedy Data Matching
COD	Data Search Tool	Greedy Matching
Coefficient of Dispersion	Data Simulation	Grubbs' Outlier Test
Coefficient of Variation	Data Stratification	Grubbs' Test
	Database Merge	Gumbel Distribution
	Dataset Merge	Histograms
	Dataset Sampling	Imputation
	Descriptive Statistics	Imputing Data



## NCSS Procedure and Topic List (Categorized)

Incidence rates	Outlier Detection	Simulate Data
Interquartile Range	Outlier Test	Simulate Distribution
IQR	Outliers	Simulation
Kaplan-Meier	Percentiles	Simulator
Kurtosis	Poisson Distribution	Skewed Distribution
Kurtosis Normality Test	Power Transformation	Skewness
Lambda	Printing Data	Skewness Normality Test
Lambda vs. SD Plots	Probability Distribution Simulation	Smith's Randomization
Laplace Distribution	Probability Plots	Snedecor's F Distribution
Levene's Equal Variance Test	Propensity Score	Standard Deviation
Likert-Scale Data	Propensity Score Matching	Standard Error
Linear Regression - Box-Cox	Proportions	Strata
List Data	Quantiles	Stratification
Logistic Distribution	R	Stratification of Data
Lognormal Distribution	R Functions	Stratified Random Sampling
MAD	R Interface	Stratified Random Sampling with Group Assignment
MADM	R Packages	Stratified Sampling
Mahalanobis Distance	R Program	Stratum
Matching	Random Numbers	Student's T Distribution
Maximum	Random Sample	Subpopulation Sampling
Mean Absolute Deviation	Random Sampling	Summarize Clusters
Mean Absolute Deviation from the Median	Random Sorting	Summary Lists
Means	Random Sorting using Maximum Allowable % Deviation	Summary Tables
Median	Random Subject Assignment	Sums
Merging Two Datasets	Randomization Algorithms	Survival Analysis
Minimum	Randomization Lists	Survival Rates
Missing Count	Range	T Distribution
Missing Value Estimation	Regression	Table of Means
Mixing Distributions	Reliability	Table of Proportions
Model Fitting	Rosner's Outlier Test	Table of Rates
Monte-Carlo Simulation	Row-by-Row Navigation	Tables - Descriptive
Multinomial Distribution	R-Squared	Time Calculator
Multivariate Normal Missing Value Estimation	Sampling	Transformations
NCSS and R	Sampling Subpopulations	Transformations - Box-Cox
NCSS Data in R	Screening Data	Transformations - Power
Normal Distribution	SD	Transformations to Normality
Normality Plots	SE	Tukey's Lambda Distribution
Normality Tests	Search Conditions	Uniform Distribution
Observational Study Matching	Search Tool	Variable Matching
Observational Study Stratification	Searching the Data	Variance
Obtaining the R Program	Shapiro-Wilk Normality Test	Variance Equality Tests
Omnibus Normality Test	Show Data	Variation
One-Way Analysis of Variance	Simple Linear Regression	Weibull Distribution
Optimal Data Matching	Simple Random Sampling	Wei's Urn Randomization
Optimal Matching	Simple Random Sampling with Group Assignment	

## Tools

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