

# NCSS Procedure and Topic List (Alphabetical)

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## #

2SLS  
 2x2 Cross-Over Design  
 2x2 Table  
 3D Bar Charts  
 3D Bar Charts (2 Factors)  
 3D Line Charts  
 3D Line Charts (2 Factors)  
 3D Plots  
 3D Scatter Plots  
 3D Surface Plots

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## A

Absolute Risk  
 Accelerated Testing  
 Acceptable Quality Level  
 Acceptance Number  
 Acceptance Sampling  
 Acceptance Sampling for Attributes  
 Accuracy  
 Additive Model  
 Adjusted Kappa Statistic  
 Adjusted R-Squared  
 Adjustment  
 A-Efficiency  
 Agglomerative Hierarchical Clustering  
 Agreement  
 AIC  
 Akaike Information Criterion  
 Alias  
 Aliasing  
 All Possible Regressions  
 All Possible Subsets  
 Alpha - Cronbach's  
 Alpha Spending

Amplitude  
 Analysis of 2x2 Cross-Over Designs using T-Tests  
 Analysis of 2x2 Cross-Over Designs using T-Tests for Equivalence  
 Analysis of 2x2 Cross-Over Designs using T-Tests for Non-Inferiority  
 Analysis of 2x2 Cross-Over Designs using T-Tests for Superiority by a Margin  
 Analysis of Covariance  
 Analysis of Covariance (ANCOVA) with Two Groups  
 Analysis of Deviance  
 Analysis of Runs  
 Analysis of Two-Level Designs  
 Analysis of Variance  
 Analysis of Variance for Balanced Data  
 ANCOVA  
 Anderson and Hauck's Test  
 Anderson-Darling Normality Test  
 Andrews' Sine  
 Angular Data Analysis  
 Angular Transformation of Proportions  
 ANOVA  
 Anscombe Residuals  
 AOV  
 Appraisal  
 Appraisal Models  
 Appraisal Ratio Studies  
 AQL  
 ArcSin Transformation  
 Arcsine Square Root Hazard  
 Area Under Curve  
 Area Under ROC Curve

Area Under ROC Curve  
 Confidence Interval  
 ARIMA  
 ARIMA (Box-Jenkins)  
 ARMA  
 Armitage Rank Correlation Test  
 Aspin-Welch Unequal-Variance T-Test  
 Assessment Models  
 Assigning Subjects to Groups  
 Assignment  
 Assignment Algorithm  
 Association - Partial and Marginal  
 Association and Correlation Statistics  
 At-Risk Table  
 Attribute Charts  
 AUC  
 AUC Confidence Interval  
 AUC Hypothesis Test  
 Autocorrelation Plots  
 Autocorrelation Regression  
 Autocorrelations  
 Automatic ARMA  
 Autoregressive Error Model  
 Average Absolute Deviation  
 Average Absolute Percent Error  
 Average-Difference Plots

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## B

Bablok Regression  
 Backcasting  
 Back-to-Back Stem-and-Leaf Plots  
 Backward Selection  
 Backward-Step Regression

## NCSS Procedure and Topic List (Alphabetical)

Balanced ANOVA  
 Balanced Design Analysis of Variance  
 Balanced Incomplete Block Designs  
 Bar Charts  
 Bar Charts - 3D  
 Bar Charts (2 Factors)  
 Barnard Exact Test  
 Bartlett's Sphericity Test  
 Bartlett's Test  
 Batch Execution  
 Beta CDF Fit  
 Beta Distribution  
 Beta Distribution Fitting  
 Beta Probability  
 Beta Reliability Plots  
 Beta Spending  
 Beta Trace  
 Beta Trace Plots  
 Between Factors  
 Between-Study Variation  
 Biased Coin Randomization  
 BIB Designs  
 BIBD  
 Bimodal Data  
 Binary Correlation  
 Binary Diagnostic Tests  
 Binary Diagnostic Tests - Clustered Samples  
 Binary Diagnostic Tests - Paired Samples  
 Binary Diagnostic Tests - Single Sample  
 Binary Diagnostic Tests - Two Independent Samples  
 Binary Integer Programming  
 Binary Response  
 Binding Futility Boundary  
 Binomial Distribution  
 Binomial Probability  
 Binomial Test  
 Binomial Test of Odds Ratio  
 Binormal ROC Curve  
 Bioequivalence  
 Bioequivalence Tests  
 Biserial Correlation  
 Bivariate Normal Distribution  
 Bivariate Normal Probability  
 Bivariate Plots  
 Biweight Kernel  
 Blackwelder Test  
 Blackwelder-Nam Confidence Interval  
 Bland-Altman  
 Bland-Altman Plot and Analysis  
 Bland-Altman Plots  
 Bleasdale-Nelder Model Fit  
 Block Outlier Tests  
 Block Randomization  
 Blocked Designs  
 Bonferroni  
 Bonferroni Adjustment  
 Bonferroni C.I.'s  
 Bonferroni Multiple Comparisons of Proportions versus a Control  
 Bonferroni Test  
 Bootstrap Confidence Interval  
 Bootstrap Confidence Intervals  
 Bootstrap Prediction Intervals  
 Bootstrapping  
 Border Plots  
 Boundary Plot  
 Box Plots  
 Box Plots (2 Factors)  
 Box-and-Whisker Plots  
 Box-Behnken Designs  
 Box-Cox Algorithm  
 Box-Cox for ANOVA  
 Box-Cox for Linear Regression  
 Box-Cox for One-Way ANOVA  
 Box-Cox for Regression  
 Box-Cox for T-Test  
 Box-Cox Plots  
 Box-Cox Power Transformation  
 Box-Cox Transformation  
 Box-Cox Transformation for Simple Linear Regression  
 Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)  
 Box-Jenkins  
 Box-Pierce-Ljung Statistic  
 Box's M Test  
 Breslow Ties  
 Brown-Forsythe Test

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**C**  
 C Charts  
 CA  
 Calculator - Chi-Square  
 Calculator - Odds Ratio and Proportions  
 Calculator - Probability  
 Calculator - Standard Deviation  
 Calculator - Survival Parameters  
 Caliper Matching  
 Candidate Points Report  
 Candidate Properties  
 Canonical Coefficients  
 Canonical Correlation  
 Canonical Scores  
 Canonical Scores Plots  
 Canonical Variates  
 Capability Analysis  
 Capability Histograms  
 Capacitated Flow  
 Case-Control  
 Cauchy Distribution  
 CCC  
 CDF Curve Fitting  
 Cell Counts  
 Censored Regression

## NCSS Procedure and Topic List (Alphabetical)

Censoring	Cluster Standard Deviations	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Non-Inferiority
Centers	Cluster Survival	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Superiority by a Margin
Centiles	Clustered Binary Diagnostic Tests	Comparing a Poisson Rate to a Null Poisson Rate - Group-Sequential
Central Moments	Clustered Heat Maps (Double Dendrograms)	Comparing a Poisson Rate to a Null Poisson Rate - Non-Inferiority - Group-Sequential
Central-Composite Designs	Clustering	Comparing a Poisson Rate to a Null Poisson Rate - Superiority by a Margin - Group-Sequential
Centroid Linkage	COC	Comparing a Proportion to a Null Proportion - Group-Sequential
Change in Deviance Test	Cochran-Armitage Proportion Trend Test	Comparing a Proportion to a Null Proportion - Non-Inferiority - Group-Sequential
Chen's Quasi-Exact Confidence Interval	Cochran-Armitage Proportion Trend Test with Continuity Correction	Comparing a Proportion to a Null Proportion - Superiority by a Margin - Group-Sequential
Chi-Square	Cochrane-Orcutt Procedure	Comparing Two Hazard Rates - Group-Sequential - Non-Inferiority
Chi-Square Distribution	Cochran's Q Test	Comparing Two Hazard Rates - Group-Sequential - Superiority by a Margin
Chi-Square Effect Size Calculator	COD	Comparing Two Means - Group-Sequential
Chi-Square Normality Test	Coefficient Alpha	Comparing Two Means - Non-Inferiority - Group-Sequential
Chi-Square Plots	Coefficient of Concentration	Comparing Two Means - Superiority by a Margin - Group-Sequential
Chi-Square Probability	Coefficient of Dispersion	
Chi-Square Probability Plots	Coefficient of Price-Related Bias	
Chi-Square Test	Coefficient of Variation	
CIF	Coefficients	
Circular Correlation	Collinearity	
Circular Data Analysis	Column Percentages	
Circular Data Correlation	Combining Distributions	
Circular Data Plots	Combining Studies	
Circular Dispersion	Combo Charts	
Circular Histograms	Combo Charts (2 Factors)	
Circular Statistics	Communality	
Circular Uniform Distribution	Comparability	
Circular Variance	Comparable Property	
Circularity	Comparables	
CLSI	Comparables Appraisal	
Cluster Analysis	Comparative Histograms	
Cluster Means	Compare Distributions	
Cluster Medoid	Compare Means	
Cluster Proportions	Compare Probability Plots	
Cluster Randomization	Compare Two Distributions	
Cluster Randomization - Create Cluster Means Dataset	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential	
Cluster Randomization - Create Cluster Proportions Dataset		
Cluster Randomization - Create Cluster Rates Dataset		
Cluster Rates		

## NCSS Procedure and Topic List (Alphabetical)

Comparing Two Means - Superiority by a Margin - Group-Sequential	Conditional Mantel-Haenszel Test	Cook's D
Comparing Two Paired AUCs	Conditional Power	Cook's Distance
Comparing Two Poisson Rates - Group-Sequential	Conditional Probability	Cophenetic Correlation
Comparing Two Poisson Rates - Non-Inferiority - Group-Sequential	Conditional Probability Plots	COR
Comparing Two Poisson Rates - Superiority by a Margin - Group-Sequential	Conditional Search	Correlated Proportions
Comparing Two Proportions - Group-Sequential	Confidence Band	Correlated T-Test
Comparing Two Proportions - Non-Inferiority - Group-Sequential	Confidence Interval	Correlation
Comparing Two Proportions - Superiority by a Margin - Group-Sequential	Confidence Interval for Means	Correlation - Kendall's Tau
Comparing Two ROC Curves - Independent Groups Design	Confidence Interval for Medians	Correlation - Pearson
Comparing Two ROC Curves - Paired Design	Confidence Interval for One Mean	Correlation - Point-Biserial
Comparing Two Survival Curves - Group-Sequential	Confidence Interval for One Proportion	Correlation - Spearman
Comparing Two Survival Curves - Group-Sequential - Non-Inferiority	Confidence Interval for Paired Means	Correlation Coefficient
Comparing Two Survival Curves - Group-Sequential - Superiority by a Margin	Confidence Interval for Proportions	Correlation Coefficient Distribution
Competing Risks	Confidence Interval for SD	Correlation Confidence Interval
Complete Linkage	Confidence Interval for SD Ratio	Correlation Distribution
Complete Randomization	Confidence Interval for Standard Deviation	Correlation Eigenvalues
Compound Symmetry	Confidence Intervals for Comparing Two AUCs	Correlation Matrix
Computing Runs	Confidence Intervals for Comparing Two Paired AUCs	Correlation Probability
Concordance Coefficient	Confounding	Correlation Statistics
Concordance Correlation Coefficient	Constant Distribution	Correlations - Partial
Conditional Data Search	Constant Variance Test	Correlogram
Conditional Exact Confidence Interval - Odds Ratio	Constraints	Correspondence Analysis
Conditional Logistic Regression	Consumer's Risk	Correspondence Plots
	Contaminated Normal Distribution	Cosines
	Contingency Table Calculator	Cost-Benefit Analysis
	Contingency Tables	Count Adjustment
	Contingency Tables (Crosstabs / Chi-Square Test)	Count Tables
	Continuity Correction	Counts
	Contour Maps	Counts Regression
	Contour Plots	COV
	Control Charts	Covariance
	Control Limits	Covariance Analysis
		Covariance Eigenvalues
		Covariance Matrix
		Covariance Pattern
		Covariates
		Cox Proportional Hazards Regression
		Cox Regression
		Cox Test
		Cox-Mantel Logrank Test

## NCSS Procedure and Topic List (Alphabetical)

Cox-Snell Residuals  
 Cp  
 Cp Plots  
 Cpk  
 Cpkm  
 Cpm  
 Cramer's V  
 Cronbach's Alpha  
 Cross Tabulation  
 Cross-Correlations  
 Cross-Correlations Plots  
 Crossed Factors  
 Cross-Over Analysis  
 Cross-Over Design Analysis  
 Cross-Over Means  
 Cross-Over Two Means  
 Crosstabs  
 CTR  
 Cubic Model Fit  
 Cumulative Chart  
 Cumulative Distribution  
 Cumulative Hazard  
 Cumulative Incidence  
 Cumulative Incidence Plots  
 Cumulative Pareto Chart  
 Cumulative Sum Charts  
 Cumulative Survival  
 Cumulative Survival Plots  
 Curve Fitting  
 Curve Fitting - CDF  
 Curve Fitting - General  
 Curve Fitting Plots  
 Curve Fitting Scatter Plot  
 Matrix  
 Curve Inequality Test  
 Custom Comparisons  
 Custom Model  
 CUSUM Charts  
 CUSUM Test  
 CV  
 Cycle  
 Cycle Regression  
 Cycle-Input

Cycles  
 Cyclical Regression

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**D**

D'Agostino Kurtosis Normality  
 Test  
 D'Agostino Omnibus  
 Normality Test  
 D'Agostino Skewness  
 Normality Test  
 Data Entry  
 Data Entry and Search Tool  
 Data Entry Tool  
 Data Fitting  
 Data Imputation  
 Data List  
 Data Matching  
 Data Matching - Greedy  
 Data Matching - Optimal  
 Data Merge  
 Data Plots  
 Data Report  
 Data Sampling  
 Data Screening  
 Data Search Tool  
 Data Simulation  
 Data Stratification  
 Database Merge  
 Dataset - Sutton22  
 Dataset Merge  
 Dataset Sampling  
 Death Density Function  
 Decision Variables  
 Decomposition Forecasting  
 Decomposition Ratio Plots  
 Defective  
 D-Efficiency  
 Deming Regression  
 Dendrograms  
 Density Plots  
 Density Plots (2 Factors)  
 Density Plots using Sunflowers

Density Trace  
 DerSimonian and Laird  
 Estimate  
 Descriptive Statistics  
 Descriptive Statistics -  
 Summary Lists  
 Descriptive Statistics -  
 Summary Tables  
 Descriptive Tables  
 Design Generator  
 Design of Experiments  
 Detecting Outliers  
 Determinant Analysis  
 Deviance Residuals  
 Deviance Test  
 DFBETA  
 DFCHI2  
 DFDEV  
 DFFITS  
 Diagnostic Odds Ratio  
 Diagnostic Tests  
 Dichotomous Correlation  
 Difference  
 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  
 Difference in Means - Group  
 Sequential  
 Difference in Means - Group-  
 Sequential  
 Difference in Means - Non-  
 Inferiority - Group-  
 Sequential  
 Difference in Means -  
 Superiority by a Margin -  
 Group-Sequential  
 Difference in Medians  
 Difference in Poisson Rates -  
 Group-Sequential

## NCSS Procedure and Topic List (Alphabetical)

Difference in Poisson Rates - Non-Inferiority - Group-Sequential	Dose-Response	Endogeneity
Difference in Poisson Rates - Superiority by a Margin - Group-Sequential	Dose-Response Plots	Endogenous Variables
Difference in Proportions	Dot Plots	Entering Data
Difference in Proportions - Group-Sequential	Dot Plots - Border	Enzyme Kinetics
Difference in Proportions - Non-Inferiority - Group-Sequential	Dot Plots (2 Factors)	EP28-A3c
Difference in Proportions - Superiority by a Margin - Group-Sequential	Double Dendrograms	Epanechnikov Kernel
Difference in Survival Curves - Group-Sequential	Double Exponential Smoothing	Equal Variance Tests
Difference in Survival Curves - Group-Sequential - Non-Inferiority	Draw Function	Equality of Covariance
Difference in Survival Curves - Group-Sequential - Superiority by a Margin	Dual Simplex Algorithm	Equal-Variance Test
Difference of Two proportions	Duncan's Test	Equal-Variance Tests
Difference vs. Average Plots	Dunnett Multiple Comparisons of Proportions versus a Control	Equation Plots
Differencing	Dunnett's Confidence Intervals	Equivalence
Differential Evolution	Dunnett's Test vs. a Control	Equivalence of Two AUCs
Discriminant Analysis	Dunn's Partition Coefficient	Equivalence of Two Paired AUCs
Dispersion	Dunn's Test	Equivalence Test for Sensitivity
Dispersion Alpha	Durbin-Watson Test	Equivalence Test for Specificity
Dispersion Phi	Dwass-Steel-Critchlow-Fligner Test	Equivalence Tests
Dissimilarity		Equivalence Tests using TOST
Dissimilarity Plots		Error-Bar Charts
Distance		Error-Bar Charts (2 Factors)
Distance Metric		Error-Bar Charts from Summary Data
Distribution	<hr/>	Error-Bar Charts from Summary Data (2 Factors)
Distribution (Weibull) Fitting	<b>E</b>	Error-Bar Plots
Distribution Fitting	Econometrics	Errors-in-Variables Regression
Distribution Plots	EDF	ESD Outliers
Distribution Simulation	EDF Plots	Estimation of Property Values
Distribution Statistics	Effect Size Calculator	Euclidean Distance
Distributions - Comparing	Effect-Equality Test	EWMA Charts
DOE	Efficacy Boundaries	Exact Binomial Test
D-Optimal Designs	Efron Ties	Exact Conditional Binomial Test
Dose	Efron's Biased Coin Randomization	Exact Conditional Confidence Interval
	Eigenvalues	Exact Confidence Interval
	Eigenvalues of a Correlation Matrix	Exact Runs Test for Randomness
	Eigenvector Plot	Exact Runs Test for Serial Randomness
	Eigenvectors	Exact Test
	Eigenvectors of a Correlation Matrix	Exogenous Variables
	EM Algorithm	Expanded Design Matrix
	Empirical Distribution Function	
	Empirical ROC Curve	

## NCSS Procedure and Topic List (Alphabetical)

Expected Counts  
 Expected Mean Squares  
 Expected Normal Scores Test  
 Experimental Design  
 Exponential Distribution  
 Exponential Error Regression  
 Exponential Fit  
 Exponential Model Fit  
 Exponential Probability Plots  
 Exponential Regression  
 Exponential Smoothing  
 Exponential Smoothing -  
 Horizontal  
 Exponential Smoothing -  
 Trend  
 Exponential Smoothing -  
 Trend / Seasonal  
 Exponentially Weighted  
 Moving Average Chart  
 Exporting Data from R  
 Exporting Data to R  
 Extreme Studentized Deviate  
 Extreme Value Distribution  
 Extreme Value Error  
 Regression  
 Extreme Value Fit  
 Extreme Value Probability  
 Plots  
 Extreme Values

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**F**

F Distribution  
 F Probability  
 Factor Analysis  
 Factor Loadings  
 Factorial Design Analysis  
 Factorial Designs  
 Factorial Mixed Models  
 Failure Distribution  
 Failure Probability  
 Fall-out  
 False Discovery Rate

False Negative Rate  
 False Omission Rate  
 False Positive Rate  
 Farazdaghi and Harris Model  
 Fit  
 Farrington-Manning Score  
 Fast Fourier Transform  
 Feedback Model  
 Fetal Size  
 Filter  
 Final Tableau  
 Find Rows  
 Find Tool  
 Finding Data  
 Finding Data using the Filter  
 Fisher Conditional Exact Test  
 Fisher Scoring  
 Fisher's Exact Test  
 Fisher's g1  
 Fisher's g2  
 Fisher's LSD Test  
 Fisher's Z Transformation  
 Fisher-Yates Test  
 Five-Number Summary  
 Fixed Effects Models  
 Fixed Factor  
 Fleiss Confidence Interval  
 Fleming-Harrington Test  
 Flexible Strategy Linkage  
 Flow  
 Forced Match  
 Forecast Plots  
 Forecasting  
 Forest  
 Forest Plots  
 Formula Plots  
 Forward Selection  
 Forward-Step Regression  
 Fourier Plots  
 Fourier Series  
 Fractional Factorial Design  
 Analysis  
 Fractional Factorial Designs

Fractional Polynomial  
 Regression  
 Fractional Polynomials  
 Freeman-Tukey Standardized  
 Residual  
 Frequencies  
 Frequency Distribution  
 Frequency Distribution Plots  
 Frequency Tables  
 Friedman's Q Statistic  
 Friedman's Rank Test  
 F-Test  
 FT-SR  
 Function Plots  
 Funnel Plots  
 Futility Boundaries  
 Fuzzy Clustering

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**G**

G Matrix  
 G Statistic Test  
 Gamma  
 Gamma CDF Fit  
 Gamma Distribution  
 Gamma Distribution Fitting  
 Gamma Plots  
 Gamma Probability  
 Gamma Probability Plots  
 Gart-Nam Score  
 Gauge Study  
 Gehan Test  
 Geisser-Greenhouse  
 Adjustment  
 General Linear Models  
 General Linear Models (GLM)  
 General Linear Models (GLM)  
 for Fixed Factors  
 Generate Designs  
 Generating Data  
 Geometric Mean  
 Geometric Regression

## NCSS Procedure and Topic List (Alphabetical)

Gleason-Staelin Redundancy Measure	Group-Sequential Design - One Mean - Non-Inferiority	Group-Sequential Design - Two Poisson Rates - Non-Inferiority
GLM	Group-Sequential Design - One Mean - Superiority by a Margin	Group-Sequential Design - Two Poisson Rates - Superiority by a Margin
Gompertz Model Fit	Group-Sequential Design - One Poisson Rate	Group-Sequential Design - Two Proportions
Goodness-of-Fit Tests	Group-Sequential Design - One Poisson Rate - Non-Inferiority	Group-Sequential Design - Two Proportions - Non-Inferiority
Graeco-Latin Square Designs	Group-Sequential Design - One Poisson Rate - Superiority by a Margin	Group-Sequential Design - Two Proportions - Superiority by a Margin
Gray's Test	Group-Sequential Design - One Proportion	Group-Sequential Design - Two Survival Curves
Greedy Algorithm	Group-Sequential Design - One Proportion - Non-Inferiority	Group-Sequential Design - Two Survival Curves - Non-Inferiority
Greedy Data Matching	Group-Sequential Design - One Proportion - Superiority by a Margin	Group-Sequential Design - Two Survival Curves - Superiority by a Margin
Greedy Matching	Group-Sequential Design - One Survival Curve	Group-Sequential Non-Inferiority Analysis for One Hazard Rate
Greenwood's Formula	Group-Sequential Design - One Survival Curve - Non-Inferiority	Group-Sequential Non-Inferiority Analysis for One Mean with Known Variance
Group Average Linkage	Group-Sequential Design - One Survival Curve - Superiority by a Margin	Group-Sequential Non-Inferiority Analysis for One Poisson Rate
Group Comparison Plots	Group-Sequential Design - Two Hazard Rates	Group-Sequential Non-Inferiority Analysis for One Proportion
Group-Sequential	Group-Sequential Design - Two Hazard Rates - Non-Inferiority	Group-Sequential Non-Inferiority Analysis for Two Hazard Rates
Group-Sequential Analysis for One Hazard Rate	Group-Sequential Design - Two Hazard Rates - Superiority by a Margin	Group-Sequential Non-Inferiority Analysis for Two Hazard Rates - Superiority by a Margin
Group-Sequential Analysis for One Mean with Known Variance	Group-Sequential Design - Two Means	Group-Sequential Non-Inferiority Analysis for Two Means with Known Variances
Group-Sequential Analysis for One Poisson Rate	Group-Sequential Design - Two Means - Non-Inferiority	Group-Sequential Non-Inferiority Analysis for Two Poisson Rates
Group-Sequential Analysis for One Proportion	Group-Sequential Design - Two Means - Superiority by a Margin	Group-Sequential Non-Inferiority Analysis for Two Proportions
Group-Sequential Analysis for Two Hazard Rates	Group-Sequential Design - Two Poisson 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		



## NCSS Procedure and Topic List (Alphabetical)

Group-Sequential Non-Inferiority T-Tests for One Mean

Group-Sequential Non-Inferiority T-Tests for Two Means

Group-Sequential Superiority by a Margin Analysis for One Hazard Rate

Group-Sequential Superiority by a Margin Analysis for One Mean with Known Variance

Group-Sequential Superiority by a Margin Analysis for One Poisson Rate

Group-Sequential Superiority by a Margin Analysis for One Proportion

Group-Sequential Superiority by a Margin Analysis for Two Hazard Rates

Group-Sequential Superiority by a Margin Analysis for Two Means with Known Variances

Group-Sequential Superiority by a Margin Analysis for Two Poisson Rates

Group-Sequential Superiority by a Margin Analysis for Two Proportions

Group-Sequential Superiority by a Margin T-Tests for One Mean

Group-Sequential Superiority by a Margin T-Tests for Two Means

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 Mean

Group-Sequential Tests for One Mean - Non-Inferiority

Group-Sequential Tests for One Mean - Superiority by a Margin

Group-Sequential Tests for One Survival Curve

Group-Sequential Tests for One Survival Curve - Non-Inferiority

Group-Sequential Tests for Two Hazard Rates

Group-Sequential Tests for Two Hazard Rates - Non-Inferiority

Group-Sequential Tests for Two Hazard Rates - Superiority by a Margin

Group-Sequential Tests for Two Means - Non-Inferiority

Group-Sequential Tests for Two Means - Superiority by a Margin

Group-Sequential Tests for Two Survival Curves

Group-Sequential Tests for Two Survival Curves - Non-Inferiority

Group-Sequential Tests for Two Survival Curves - Superiority by a Margin

Group-Sequential T-Test

Group-Sequential T-Test - Non-Inferiority

Group-Sequential T-Test - Superiority by a Margin

Group-Sequential T-Tests for One Mean

Group-Sequential T-Tests for Two Means

Grubbs' Outlier Test

Grubbs' Test

Gumbel Distribution

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## H

H Index

H2 Index

Half-Normal Distribution

Half-Normal Plots

Half-Normal Probability Plots

Harmonic Mean

Harmonic Regression

Hartung-Knapp Adjustment

Hat Diagonal

Hat Values

Hat vs. Row Plots

Hausmans Test

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

## NCSS Procedure and Topic List (Alphabetical)

Hazard Rates Two Group- Sequential - Non-Inferiority	Hsu's M. C. with the Best Huber's Method	Interim Analysis - One Poisson Rate
Hazard Rates Two Group- Sequential - Superiority by a Margin	Huynh-Feldt Epsilon	Interim Analysis - One Poisson Rate - Non-Inferiority
Hazard Ratio	Hybrid Appraisal Models	Interim Analysis - One Poisson Rate - Superiority by a Margin
Hazard Ratio Conversion	Hyperbola	Interim Analysis - One Proportion
Heat Map	Hypergeometric Distribution	Interim Analysis - One Proportion - Non-Inferiority
Heat Map of Correlations	Hypergeometric Probability	Interim Analysis - One Proportion - Superiority by a Margin
Heat Maps		Interim Analysis - One Survival Curve
Heatmaps	<hr/>	Interim Analysis - One Survival Curve - Non-Inferiority
Hessian Matrix	I2 Index	Interim Analysis - One Survival Curve - Superiority by a Margin
Heterogenous Variances	Imputation	Interim Analysis - Two Hazard Rates
Heterogeneity Test	Imputing Data	Interim Analysis - Two Hazard Rates - Non-Inferiority
Heteroscedasticity	I-MR Charts	Interim Analysis - Two Hazard Rates - Superiority by a Margin
Hierarchical Clustering	Incidence Plots	Interim Analysis - Two Means
Hierarchical Clustering / Dendrograms	Incidence Rate	Interim Analysis - Two Means - Non-Inferiority
Hierarchical Forward Selection	Incidence rates	Interim Analysis - Two Means - Superiority by a Margin
Hierarchical Models	Incomplete Block Designs	Interim Analysis - Two Poisson Rates
Hierarchical Regression	Inconsistency Index (I2)	Interim Analysis - Two Poisson Rates - Non-Inferiority
Hierarchical Subset Search	In-Control	Interim Analysis - Two Poisson Rates - Superiority by a Margin
Hill Model Fit	Independence Tests	Interim Analysis - Two Proportions
Histograms	Individuals and Moving Range Charts	Interim Analysis - Two Proportions - Non-Inferiority
Histograms - Border	Individuals Charts	
Histograms - Comparative	Influence	
Histograms - Comparative (2 Factors)	Inspection Plans	
Histograms - Smoothed	Instrument Variables	
Hoeffding Test	Instrumental Variables	
Holliday Model Fit	Integer Programming	
Holt's Linear Trend	Interim Analysis - Logrank Test	
Holt-Winters Exponential Smoothing	Interim Analysis - One Hazard Rate	
Holt-Winters Forecasting	Interim Analysis - One Hazard Rate - Non-Inferiority	
Homogeneity Test	Interim Analysis - One Hazard Rate - Superiority by a Margin	
Homoscedasticity	Interim Analysis - One Mean	
Honest Significant Difference	Interim Analysis - One Mean - Non-Inferiority	
Horizontal Equity	Interim Analysis - One Mean - Superiority by a Margin	
Hotelling's One-Sample T2		
Hotelling's Paired-Sample T2		
Hotelling's T2 Distribution		
Hotelling's T2 Probability		
Hotelling's Two-Sample T2		

## NCSS Procedure and Topic List (Alphabetical)

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  
 Interquartile Range  
 Inter-Rater Agreement (Kappa)  
 Inverse Variance  
 IQR  
 Isolines  
 Item Analysis  
 Item Response Analysis  
 Item Response Plots

**J**

Jackknife Standard Error Estimation

**K**

K Analysis  
 Kaplan-Meier  
 Kaplan-Meier Curves  
 Kaplan-Meier Curves (Logrank Tests)  
 Kappa Reliability Test  
 Kappa Statistic  
 Kappa Test for Inter-Rater Agreement  
 Katz Logarithm Confidence Interval  
 Kaufman-Rousseeuw Algorithm  
 k-Category Runs Test for Randomness  
 Kendall's Concordance Coefficient

Kendall's Tau  
 Kendall's Tau Correlation  
 Kenward and Roger Method  
 Kinetics  
 K-Means Clustering  
 Knapp-Hartung Adjustment  
 Kolmogorov-Smirnov Normality Test  
 Kolmogorov-Smirnov Test  
 k-Period Lag  
 Kruskal-Wallis Test  
 Kruskal-Wallis Z M. C. Test  
 Kuiper's Test  
 Kurtosis  
 Kurtosis Normality Test

**L**

L Matrix  
 L'Abbe Plots  
 Lack-of-Fit Test  
 Lag  
 Lag Plots  
 Lambda  
 Lambda vs. SD Plots  
 Laplace Distribution  
 Latin Square Design Analysis  
 Latin Square Designs  
 Lawley-Hotelling Trace  
 Least Squares  
 Levenberg-Marquardt Nonlinear Least-Squares Algorithm  
 Levene's Equal Variance Test  
 Levey-Jennings Charts  
 Life-Table Analysis  
 Likelihood Ratio  
 Likelihood Ratio Test  
 Likert-Scale Data  
 Lilliefors' Critical Values  
 Limiting Quality Level  
 Limits of Agreement  
 Line Charts

Line Charts - 3D  
 Line Charts (2 Factors)  
 Linear Discriminant Function  
 Linear Discriminant Scores  
 Linear Discriminant Scores Plots  
 Linear Mixed Model  
 Linear Model Fit  
 Linear Programming  
 Linear Programming with Bounds  
 Linear Programming with Tableau  
 Linear Regression  
 Linear Regression - Box-Cox  
 Linear Regression and Correlation  
 Linear Regression Plots  
 Linear-Linear Model Fit  
 Linear-Linear-Linear Model Fit  
 Linear-Logistic Model  
 Linear-Quadratic Model Fit  
 Linkage  
 Lin's CCC  
 Lin's Concordance Correlation Coefficient  
 List Data  
 Ljung Statistic  
 LLM  
 LoA  
 Loadings  
 Loadings Plots  
 Loess  
 Logarithmic Model Fit  
 Logistic CDF Fit  
 Logistic Distribution  
 Logistic Error Regression  
 Logistic Fit  
 Logistic Model Fit  
 Logistic Probability Plots  
 Logistic Regression  
 Logit  
 Loglinear Models

## NCSS Procedure and Topic List (Alphabetical)

Log-Logistic Distribution  
 Log-Logistic Error Regression  
 Log-Logistic Fit  
 Log-Logistic Probability Plots  
 Log-Logistic Regression  
 Lognormal CDF Fit  
 Lognormal Distribution  
 Log-Normal Distribution  
 Log-Normal Error Regression  
 Log-Normal Fit  
 Log-Normal Model Fit  
 Log-Normal Plots  
 Log-Normal Probability Plots  
 Log-Normal Regression  
 Logrank Test  
 Logrank Test - Group-Sequential  
 Longitudinal Data Analysis  
 Longitudinal Design  
 Lot Proportion Defective  
 Lot Tolerance Proportion Defective  
 Lowess  
 LP  
 LQL  
 LTPD

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**M**

MA Charts  
 Macro Command Center  
 Macros  
 MAD  
 MADM  
 MAE  
 Mahalanobis Distance  
 Mallow's Cp  
 Mallow's Cp  
 Manhattan Distance  
 Mann-Whitney Test  
 MANOVA  
 Mantel-Haenszel

Mantel-Haenszel Confidence Intervals  
 Mantel-Haenszel Logrank Test  
 Mantel-Haenszel Test  
 Many to one Multiple Comparisons of Proportions  
 MAPDMMADM  
 MAPE  
 Mardia-Watson-Wheeler Uniform-Scores Test  
 Marginal Association  
 Market Value  
 Martinez-Iglewicz Normality Test  
 Martingale Residuals  
 Mass Appraisal  
 Matched  
 Matching  
 Matrix of Scatter Plots  
 Mauchly's Test of Compound Symmetry  
 Maximal Flow  
 Maximum  
 Maximum Flow  
 McHenry's Select Algorithm  
 McNemar Test  
 MDS Map  
 Mean Absolute Deviation  
 Mean Absolute Deviation from the Median  
 Mean Comparison  
 Mean Difference  
 Mean Direction  
 Mean Equality  
 Mean Input  
 Mean Survival Comparisons  
 Mean Survival Time  
 Mean Time Lost  
 Mean Time Lost Comparisons  
 Means  
 Means - Group-Sequential  
 Means - Non-Inferiority - Group-Sequential

Means - One - Group-Sequential  
 Means - One - Non-Inferiority - Group-Sequential  
 Means - One - Superiority by a Margin - Group-Sequential  
 Means - Superiority by a Margin - Group-Sequential  
 Means One - Non-Inferiority - Group-Sequential  
 Means One - Superiority by a Margin - Group-Sequential  
 Means Plots  
 Means Two - Non-Inferiority - Group-Sequential  
 Means Two - Superiority by a Margin - Group-Sequential  
 Measurement Error  
 Median  
 Median Absolute Deviation from the Median  
 Median Absolute Percent Deviation from the Median  
 Median Confidence Interval  
 Median Linkage  
 Median Remaining Lifetime  
 Median Survival Time Conversion  
 Median Test  
 Medians  
 Median-Slope Regression  
 Mediation Analysis  
 Mediation Regression  
 Medoid Clustering  
 Medoid Partitioning  
 Membership Matrix  
 Merging Two Datasets  
 M-Estimators  
 Meta-Analysis  
 Meta-Analysis of Correlated Proportions  
 Meta-Analysis of Hazard Ratios  
 Meta-Analysis of Means (Old Version)

## NCSS Procedure and Topic List (Alphabetical)

Meta-Analysis of Proportions  
 Meta-Analysis of Proportions  
 (Old Version)  
 Meta-Analysis of Standardized  
 Mean Differences  
 Meta-Analysis of Two Means  
 Meta-Analysis of Two  
 Proportions  
 Method Comparison  
 Metric Multidimensional  
 Scaling  
 Michaelis-Menten Equation  
 Michaelis-Menten Model Fit  
 Miettinen-Nurminen Score  
 Mill's Ratio  
 Min MSE  
 Min RMSE  
 Minimum  
 Minimum Cost Capacitated  
 Flow  
 Minimum Cost Flow  
 Minimum MSE  
 Minimum Path  
 Minimum Required Difference  
 Minimum RMSE  
 Minimum Spanning Forest  
 Minimum Spanning Tree  
 Minkowski Distance  
 Miss Rate  
 Missing Count  
 Missing Value Estimation  
 MIVQUE  
 Mixed Integer Linear  
 Programming  
 Mixed Integer Programming  
 Mixed Models  
 Mixed Models - General  
 Mixed Models - No Repeated  
 Measures  
 Mixed Models - Random  
 Coefficients  
 Mixed Models - Repeated  
 Measures  
 Mixing Distributions  
 Mixture Design  
 Mode  
 Model Fitting  
 Model Fitting for Appraisal  
 Model Searching  
 Modified Kuiper's Test  
 Modified Levene's Test  
 Modified Peto-Peto Test  
 Moment  
 Monomolecular Model Fit  
 Monte-Carlo Simulation  
 Morgan-Mercer-Floding Model  
 Fit  
 Mortality Ratio Conversion  
 Mosaic Plots  
 Moving Average Charts  
 Moving Range Charts  
 MRT  
 Multicollinearity  
 Multidimensional Scaling  
 Multi-Group Concentration  
 Homogeneity Test  
 Multinomial Distribution  
 Multinomial Logistic  
 Regression  
 Multinomial Test  
 Multiple Comparison Tests  
 Multiple Comparisons of  
 Proportions  
 Multiple Comparisons of  
 Proportions versus a Control  
 Multiple Comparisons Plots  
 Multiple Linear Regression  
 Multiple Regression  
 Multiple Regression - Basic  
 Multiple Regression for  
 Appraisal  
 Multiple Regression with Serial  
 Correlation  
 Multiple-Group Logistic  
 Regression  
 Multiplicative Model  
 Multisample Test  
 Multivariate Analysis  
 Multivariate Analysis of  
 Variance (MANOVA)  
 Multivariate Normal  
 Multivariate Normal Missing  
 Value Estimation  
 Multivariate Polynomial Ratio  
 Fit  
 Multivariate Regression  
 Multivariate T-Test  
 Multivariate Variable Selection  
 Multiway Frequency Analysis  
 Multiway Table

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**N**

Nam Equivalence Test  
 Nam Score Confidence  
 Interval  
 Nam Score Test  
 Nam-Blackwelder Confidence  
 Interval  
 Nam-Blackwelder Test  
 Nash's MRT Algorithm  
 NCSS and R  
 NCSS Data in R  
 Nearest Neighbor Linkage  
 Negative Binomial Distribution  
 Negative Binomial Probability  
 Negative Binomial Regression  
 Negative Likelihood Ratio  
 Negative Predictive Value  
 Nelson-Aalen Hazard  
 Nested Factors  
 Network  
 Network Flow  
 Newman-Keuls Test  
 Newton-Raphson  
 Nominal Logistic Regression  
 Non-Binding Futility Boundary  
 Nonconforming  
 Nondetects Analysis  
 Nondetects-Data Group  
 Comparison

## NCSS Procedure and Topic List (Alphabetical)

Nondetects-Data Regression  
 Non-Inferiority  
 Non-Inferiority of Two AUCs  
 Non-Inferiority of Two Paired AUCs  
 Non-Inferiority Test for Sensitivity  
 Non-Inferiority Test for Specificity  
 Non-Inferiority Tests  
 Nonlinear Regression  
 Non-Metric Multidimensional Scaling  
 Nonparametric  
 Nonparametric Correlation  
 Nonparametric Multiple Comparison Test  
 Nonparametric ROC Curves  
 Nonparametric Survival Estimation  
 Nonparametric Tests  
 Normal CDF Fit  
 Normal Distribution  
 Normal Error Regression  
 Normal Fit  
 Normal Model Fit  
 Normal Probability  
 Normal Probability Plots  
 Normal Range  
 Normal Regression  
 Normal Scores Test  
 Normality Plots  
 Normality Test  
 Normality Tests  
 NP Charts  
 NPV  
 Number At Risk  
 Number Needed to Treat  
 Number of Runs

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**O**  
 Objective Function

Observational Study Matching  
 Observational Study Stratification  
 Obtaining the R Program  
 OC Curves  
 Odds Ratio  
 Odds Ratio and Proportions Calculator  
 OLS  
 Omnibus Normality Test  
 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  
 One Hazard Rate Group Sequential - Superiority by a Margin  
 One Mean - Group-Sequential  
 One Mean - Non-Inferiority - Group-Sequential  
 One Mean - Superiority by a Margin - Group-Sequential  
 One Poisson Rate - Group-Sequential  
 One Poisson Rate - Non-Inferiority - Group-Sequential  
 One Poisson Rate - Superiority by a Margin - Group-Sequential  
 One Proportion  
 One Proportion - Equivalence Tests  
 One Proportion - Group-Sequential  
 One Proportion - Non-Inferiority - Group-Sequential

One Proportion - Non-Inferiority Tests  
 One Proportion - Superiority by a Margin - Group-Sequential  
 One Proportion - Superiority by a Margin Tests  
 One Proportion Tests  
 One ROC Curve and Cutoff Analysis  
 One Survival Curve - Group-Sequential  
 One Survival Curve - Group-Sequential - Non-Inferiority  
 One Survival Curve - Group-Sequential - Superiority by a Margin  
 One Survival Curve Group Sequential  
 One Survival Curve Group Sequential - Non-Inferiority  
 One Survival Curve Group Sequential - Superiority by a Margin  
 One-Sample T-Test  
 One-Sample T-Test for Equivalence  
 One-Sample T-Test for Non-Inferiority  
 One-Sample T-Test for Superiority by a Margin  
 One-Sided Dunnett Multiple Comparisons of Proportions versus a Control  
 One-Way Analysis of Covariance (ANCOVA)  
 One-Way Analysis of Variance  
 One-Way ANOVA  
 Operating Characteristic Curves  
 Operating Characteristic Curves for Acceptance Sampling for Attributes  
 Operations Research  
 Optimal Criterion Value  
 Optimal Data Matching

## NCSS Procedure and Topic List (Alphabetical)

Optimal Matching  
 Optimal RHS  
 Optimization  
 Ordinary Least Squares  
 Original Cost  
 Orthogonal Arrays  
 Orthogonal Contrasts  
 Orthogonal Design  
 Orthogonal Polynomial Contrasts  
 Orthogonal Regression  
 Outlier Detection  
 Outlier Test  
 Outliers  
 Out-of-Control  
 Overdispersion

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**P**

P Charts  
 Paired Comparisons  
 Paired Difference  
 Paired Means  
 Paired Proportions  
 Paired ROC Curves  
 Paired t-test  
 Paired T-Test for Equivalence  
 Paired T-Test for Non-Inferiority  
 Paired T-Test for Superiority by a Margin  
 Pairwise Multiple Comparisons of Proportions  
 Parametric Hazard Rate  
 Parametric Survival (Weibull) Regression  
 Parametric Survival Regression  
 Pareto Charts  
 Partial Association  
 Partial Autocorrelation  
 Partial Autocorrelation Plots  
 Partial Correlation  
 Partial Residual Plots

Partition Around Medoids  
 Passing Bablok Regression  
 Passing Regression  
 Passing-Bablok Regression for Method Comparison  
 Paule and Mandel Estimate  
 PC Regression  
 PCA  
 Pearson Chi-square  
 Pearson Conditional Exact Test  
 Pearson Correlation  
 Pearson Residuals  
 Pearson Test  
 Pearson's Chi-Square Test  
 Pearson's Contingency Coefficient  
 Pepe and Mori's Test  
 Percentages  
 Percentile Curve Fit  
 Percentile Plots  
 Percentile Plots (2 Factors)  
 Percentiles  
 Period Plots  
 Periodic Regression  
 Periodogram Plots  
 Peto  
 Peto-Peto Test  
 Phi  
 Pie Charts  
 Pillai's Trace  
 Plackett-Burman Designs  
 Planned Comparisons  
 Plot of Eigenvectors  
 Plot of Principal Components Plots  
 Point Plots  
 Point-Biserial and Biserial Correlations  
 Point-Biserial Correlation  
 Poisson Distribution  
 Poisson Probability  
 Poisson Regression  
 Poisson-Gamma Regression

Polynomial Ratio  
 Polynomial Ratio Model Fit  
 Polynomial Regression  
 Pooled Variance  
 Population Standard Deviation  
 Portmanteau Test  
 Positive Likelihood Ratio  
 Positive Predictive Value  
 Power Model Fit  
 Power Transformation  
 PPV  
 PRB  
 PRD  
 Precision  
 Precision Measure  
 Precision-to-Tolerance Ratio  
 Predicted Values  
 Prediction Limits  
 Predictive Power  
 PRESS Statistics  
 Prevalence  
 Price-Related Bias  
 Price-Related Differential  
 Principal Components  
 Principal Components Analysis  
 Principal Components of a Correlation Matrix  
 Principal Components Regression  
 Principal Coordinates  
 Printing Data  
 Prob Correct vs. Cutoff Plots  
 Probability Calculator  
 Probability Distribution  
 Probability Distribution Simulation  
 Probability Ellipse  
 Probability of Failure  
 Probability Plot Comparison  
 Probability Plots  
 Probit Analysis  
 Probit Plots  
 Process Capability Ratio

## NCSS Procedure and Topic List (Alphabetical)

Process Variation  
 Producer's Risk  
 Product Inspection Plans  
 Product-Limit Estimator  
 Product-Limit Survivorship  
 Product-Moment Correlation  
 Profile Plots  
 Programming  
 Propensity Score  
 Propensity Score Matching  
 Property Valuation  
 Proportion - One  
 Proportion Correctly Classified  
 Proportion Difference  
 Proportion Ratio  
 Proportion Trend Test  
 Proportional Errors  
 Proportional Hazards  
   Regression  
 Proportions  
 Proportions - Multiple  
   Comparisons  
 Proportions - Two  
 Proportions Calculator  
 Proportions Meta-Analysis  
 Proportions Plot  
 Proportions Tests

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**Q**

Q Test  
 QP  
 Q-profile  
 Quadratic Model Fit  
 Quadratic Programming  
 Quadratic-Linear Model Fit  
 Quadratic-Quadratic Model Fit  
 Quality Control  
 Quality Control Charts  
 Quantile Regression  
 Quantile Test  
 Quantiles

Quartiles  
 Quartimax Rotation

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**R**

R  
 R & R Study  
 R Charts  
 R Functions  
 R Interface  
 R Matrix  
 R Packages  
 R Program  
 Radial Plots  
 Random Coefficients Models  
 Random Effects Models  
 Random Factor  
 Random Models  
 Random Numbers  
 Random Sample  
 Random Sampling  
 Random Sorting  
 Random Sorting using  
   Maximum Allowable %  
   Deviation  
 Random Subject Assignment  
 Randomization Algorithms  
 Randomization Lists  
 Randomization Test  
 Randomized Block Design  
 Randomized Block Design  
   Analysis  
 Randomized Complete Block  
   Design Analysis  
 Randomness Tests  
 Range  
 Range Charts  
 Rank Regression  
 Ranks  
 Rank-Sum Test  
 Rater Reliability  
 Ratio of Polynomials  
 Ratio of Polynomials Fit

Ratio of Polynomials Fit - Many  
   Variables  
 Ratio of Polynomials Fit - One  
   Variable  
 Ratio of Polynomials Search  
 Ratio of Polynomials Search -  
   Many Variables  
 Ratio of Polynomials Search -  
   One Variable  
 Ratio of Proportions  
 Ratio of Standard Deviations  
 Ratio of Two Proportions  
 Ratio Plots  
 Ratio study  
 Rayleigh Test  
 Rbar  
 Receiver Operating  
   Characteristic Curve  
 Reciprocal Model Fit  
 Re-estimation of Sample Size  
 Reference Bounds  
 Reference Interval  
 Reference Intervals  
 Reference Intervals - Age-  
   Specific  
 Reference Range  
 Regression  
 Regression Analysis  
 Regression Clustering  
 Regression Coefficients  
 Regression Exchange  
   Algorithm  
 Regression for Appraisal  
 Regression Plane  
 Regression Plots  
 Regression Scores Plots  
 Regression Surface  
 Relative Risk  
 Relative Risk Reduction  
 Reliability  
 REML  
 Repeatability  
 Repeatability and  
   Reproducibility Study



## NCSS Procedure and Topic List (Alphabetical)

Repeated Measures  
 Repeated Measures  
 Repeated Measures Analysis of Variance  
 Repeated Measures Design Analysis  
 Replicated Designs  
 Reproducibility  
 Resampling Test  
 Residual Plots  
 Residuals  
 Response Surface  
 Response Surface Designs  
 Response Surface Regression  
 Restricted Maximum Likelihood  
 Restricted Mean Survival Time  
 Restricted Mean Survival Time Difference Comparisons  
 Restricted Mean Survival Time Ratio Comparisons  
 Restricted Mean Time Lost  
 Restricted Mean Time Lost Ratio Comparisons  
 RHS  
 Richards Model Fit  
 Ridge Regression  
 Ridge Trace  
 Ridge Trace Plots  
 Risk Difference  
 Risk Ratio  
 Risk Reduction  
 RMST  
 RMST Difference Comparisons  
 RMST Ratio Comparisons  
 RMTL  
 RMTL Ratio Comparisons  
 Robins Confidence Interval  
 Robust  
 Robust Linear Regression (Passing-Bablok Median-Slope)  
 Robust Mediation Analysis  
 Robust Reference Interval  
 Robust Regression  
 Robust Residuals  
 Robust Weight  
 ROC Curves  
 Root MSE  
 Root MSE Plots  
 Rose Plots  
 Rosner's Outlier Test  
 Row Percentages  
 Row-by-Row Navigation  
 Row-Column Independence Test  
 Roy's Largest Root  
 R-Squared  
 R-Squared Plots  
 RStudent Residuals  
 Runs Analysis  
 Runs Charts  
 Runs Test for Serial Randomness  
 Runs Tests

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**S**  
 s Charts  
 S Distribution  
 S Probability  
 Sale Date Adjustment  
 Sale Price Adjustment  
 Sales Comparison Approach  
 Sales Ratio Study  
 Sample Correlation Coefficient  
 Sample Size Re-estimation  
 Sample Standard Deviation  
 Sampling  
 Sampling Plans  
 Sampling Subpopulations  
 Sbar  
 Scaled Schoenfeld's Residuals  
 Scatter Diagram  
 Scatter Plot Matrix  
 Scatter Plot Matrix for Curve Fitting  
 Scatter Plots  
 Scatter Plots with Error Bars  
 Scatter Plots with Error Bars from Summary Data  
 Scattergraph  
 Scheffe's Test  
 Schoenfeld's Residuals  
 Schoenfeld's Residuals Plots  
 Schuirmann's Two One-Sided Tests  
 Score  
 Score Coefficients  
 Score Test  
 Score Test Pairwise Multiple Comparisons of Proportions  
 Score Tests  
 Scores Plots  
 Scree Plots  
 Screening Data  
 Screening Designs  
 Scripting Language  
 Scripts  
 SD  
 SD Ratio  
 SE  
 Search Conditions  
 Search Tool  
 Searching the Data  
 Seasonal Differencing  
 Seasonality  
 Sensitivity  
 Sensitivity Confidence Interval  
 Sensitivity Equivalence Tests  
 Sensitivity Hypothesis Tests  
 Sensitivity Non-Inferiority Tests  
 Sequence Plots  
 Sequential Models  
 Serial Correlation  
 Serial Correlation Plots  
 Serial Randomness  
 Shapiro-Wilk Normality Test  
 Shewhart

## NCSS Procedure and Topic List (Alphabetical)

Shinozaki and Kira Model Fit	Skewness	Stem-Leaf Plots
Shortest Path	Skewness Normality Test	Step-Down Selection
Shortest Route	Slice	Stephens Test
Show Data	Slopes - Testing for Equal	Step-Up Selection
Sidak Test	Smith's Randomization	Stepwise Regression
Side-by-side Violin plot	Smoothed Histograms	Stepwise Selection
Sigma Limits	Snedecor's F Distribution	Strata
Sign Test	Spanning Tree	Stratification
Signal-to-Noise Ratio	Spath Algorithm	Stratification of Data
Signed-Rank Test	Spearman Correlation	Stratified Logistic Regression
Silhouettes	Spearman Rank Correlation	Stratified Random Sampling
Similarity of Properties	Specificity	Stratified Random Sampling with Group Assignment
Simple Average Linkage	Specificity Confidence Interval	Stratified Sampling
Simple Correlation Coefficient	Specificity Equivalence Tests	Stratum
Simple Deming Regression	Specificity Hypothesis Tests	Stress
Simple Linear Correlation	Specificity Non-Inferiority Tests	Stress A
Simple Linear Regression	Spectral Analysis	Stress B
Simple Random Sampling	Spectrum Plots	Stress Plots
Simple Random Sampling with Group Assignment	Spending Functions	Studentized Deviance Residuals
Simplex Algorithm	Sphericity Test	Studentized Pearson Residuals
Simulate Data	Spine Plots	Studentized Range Distribution
Simulate Distribution	Spline	Studentized Range Probability
Simulation	Split-Plot Design Analysis	Student's T CDF Fit
Simulator	Split-Plot Design Generation	Student's T Distribution
Simultaneous C.I.'s	Stage Regression	Student's T Probability
Simultaneous Confidence Intervals	Standard Deviation	Subdistribution Hazards
Simultaneous confidence intervals of the differences among several proportions	Standard Deviation Calculator	Subject Plots
Sines	Standard Deviation Charts	Subject Property
Single Linkage	Standard Deviation Confidence Interval	Subpopulation Sampling
Single Property Appraisal	Standard Deviation Confidence Limits	Subset Selection
Single-Sample k-category Runs Test for Randomness	Standard Deviation Conversion	Subset Selection in Multiple Regression
Single-Sample Runs Test for Randomness	Standard Deviation Ratio	Subset Selection in Multivariate Y Multiple Regression
Single-Sample Runs Test for Serial Randomness	Standard Error	Sum of Exponentials Model Fit
Single-Sample Runs Tests	Standardized Canonical Coefficients	Sum of Functions Models
Sinusoidal Pattern	Standardized Difference	Sum-Difference Plots
Sinusoidal Regressions	Standardized Mean Difference	Summarize Clusters
Skewed Distribution	Standardized Residuals	Summary Data
	Stem-and-Leaf Plots	Summary Lists

## NCSS Procedure and Topic List (Alphabetical)

Summary Statistics Input  
 Summary Tables  
 Sums  
 Sums and Differences Plots  
 Sunflower Plots  
 Superiority by a Margin  
 Superiority by a Margin Tests  
 Superiority Tests  
 Surface Plots  
 Surface Plots - 3D  
 Survival Analysis  
 Survival Curves  
 Survival Curves One Group-Sequential  
 Survival Curves One Group-Sequential - Non-Inferiority  
 Survival Curves One Group-Sequential - Superiority by a Margin  
 Survival Curves Two Group-Sequential  
 Survival Curves Two Group-Sequential - Non-Inferiority  
 Survival Curves Two Group-Sequential - Superiority by a Margin  
 Survival Distribution Fitting  
 Survival Function  
 Survival Group-Sequential  
 Survival Group-Sequential - Non-Inferiority  
 Survival Group-Sequential - Superiority by a Margin  
 Survival Parameter Conversion Tool  
 Survival Plots  
 Survival Quantiles  
 Survival Rates  
 Survival Regression  
 Survivorship - Beta Plots  
 Survivorship - Gamma Plots  
 Survivorship Plots  
 Sutton22 Dataset  
 Symmetric Lambda

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**T**

T Distribution  
 T2  
 Table of Means  
 Table of Proportions  
 Table of Rates  
 Table Percentages  
 Table Statistics  
 Tableau  
 Tables - Descriptive  
 Taguchi Designs  
 Tarone-Ware Test  
 Tau-Square  
 Terry-Hoeffding Test  
 Test for Serial Randomness  
 Test of Normality  
 Testing Equivalence with Two Independent Samples  
 Testing Non-Inferiority with Two Independent Samples  
 Testing Superiority by a Margin with Two Independent Samples  
 Tests for Randomness  
 Tests for Runs  
 Tests for Two AUCs  
 Tests for Two Paired AUCs  
 Tests for Two-Factor Interactions  
 Theoretical ARMA  
 Three-Dimensional Data Plots  
 Time Calculator  
 Time Series  
 Time Series Plots  
 Tolerance Intervals  
 Tolerance Limits  
 Tolerance R & R  
 Topographical Map  
 TOST  
 TOST Equivalence Test  
 Transference  
 Transformations

Transformations - Box-Cox  
 Transformations - Power  
 Transformations to Normality  
 Transportation  
 Transportation Algorithm  
 Transshipment  
 Tree  
 Treemap Plots  
 Trend Plots  
 Triangle CDF Fit  
 Trimmed Mean  
 Trimmed Standard Deviation  
 True Negative Rate  
 True Positive Rate  
 Tschuprow's T  
 TSLS  
 T-Test  
 T-Test - Non-Inferiority  
 T-Test - One Mean  
 T-Test - One Mean - Non-Inferiority  
 T-Test - One Mean - Superiority by a Margin  
 T-Test - Superiority by a Margin  
 T-Test - Two Means  
 T-Test - Two Means - Non-Inferiority  
 T-Test - Two Means - Superiority by a Margin  
 T-Tests  
 T-Tests - Aspin-Welch  
 T-Tests - Equivalence  
 T-Tests - Non-Inferiority  
 T-Tests - Paired  
 T-Tests - Superiority  
 Tukey-Kramer Pairwise Multiple Comparisons of Proportions  
 Tukey-Kramer Simultaneous Confidence Intervals  
 Tukey-Kramer Test  
 Tukey's Biweight  
 Tukey's HSD

## NCSS Procedure and Topic List (Alphabetical)

Tukey's Lambda Distribution  
 Two Correlated Proportions  
 Two Correlated Proportions - Equivalence Tests  
 Two Correlated Proportions - Non-Inferiority Tests  
 Two Correlated Proportions - Superiority by a Margin Tests  
 Two Correlated Proportions (McNemar Test)  
 Two Hazard Rates - Group-Sequential  
 Two Hazard Rates - Group-Sequential - Non-Inferiority  
 Two Hazard Rates - Group-Sequential - Superiority by a Margin  
 Two Hazard Rates Group Sequential  
 Two Hazard Rates Group Sequential - Non-Inferiority  
 Two Hazard Rates Group Sequential - Superiority by a Margin  
 Two Means  
 Two Means - Confidence Interval  
 Two Means - Group Sequential  
 Two Means - Group-Sequential  
 Two Means - Non-Inferiority - Group Sequential  
 Two Means - Non-Inferiority - Group-Sequential  
 Two Means - Superiority by a Margin - Group Sequential  
 Two Means - Superiority by a Margin - Group-Sequential  
 Two Means Cross-Over  
 Two Poisson Rates - Group-Sequential  
 Two Poisson Rates - Non-Inferiority - Group-Sequential

Two Poisson Rates - Superiority by a Margin - Group-Sequential  
 Two Proportions  
 Two Proportions - Equivalence Tests  
 Two Proportions - Group-Sequential  
 Two Proportions - Non-Inferiority - Group-Sequential  
 Two Proportions - Non-Inferiority Tests  
 Two Proportions - Superiority by a Margin - Group-Sequential  
 Two Proportions - Superiority by a Margin Tests  
 Two Proportions - Two-Sided Tests vs. a Margin  
 Two Survival Curves - Group-Sequential  
 Two Survival Curves - Group-Sequential - Non-Inferiority  
 Two Survival Curves - Group-Sequential - Superiority by a Margin  
 Two Survival Curves Group Sequential  
 Two Survival Curves Group Sequential - Non-Inferiority  
 Two Survival Curves Group Sequential - Superiority by a Margin  
 Two-by-Two Tables  
 Two-Level Design Analysis  
 Two-Level Designs  
 Two-level Factorial Designs  
 Two-Sample Equivalence Tests for Survival Data using Cox Regression  
 Two-Sample Non-Inferiority Tests for Survival Data using Cox Regression

Two-Sample Superiority by a Margin Tests for Survival Data using Cox Regression  
 Two-Sample T-Test  
 Two-Sample T-Test - Equivalence  
 Two-Sample T-Test - Non-Inferiority  
 Two-Sample T-Test - Superiority by a Margin  
 Two-Sample T-Test for Equivalence  
 Two-Sample T-Test for Non-Inferiority  
 Two-Sample T-Test for Superiority by a Margin  
 Two-Sample T-Test from Means and SD's  
 Two-sided Tests vs. a Margin  
 Two-Stage Least Squares  
 Two-Treatment Cross-Over Analysis  
 Two-Way Tables

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## U

U Charts  
 Unconditional Exact Farrington-Manning Score Test  
 Unequal Variances Tests  
 Unequal-Variance T-Tests  
 Uniform CDF Fit  
 Uniform Distribution  
 Uniform Kernel  
 Uniform Probability Plots  
 Uniformity Test  
 Unweighted Means F-Test  
 Up-Down Runs Test  
 UWM F-Test

## NCSS Procedure and Topic List (Alphabetical)

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**V**

Van der Waerden Test  
 Variable Matching  
 Variable Selection  
 Variable Selection for  
   Multivariate Regression  
 Variable-Variate Correlations  
 Variance  
 Variance Equality Tests  
 Variance Inflation Factor  
 Variance Inflation Factor Plots  
 Variance Ratio Equal-Variance  
   Test  
 Variance Ratio Test  
 Variance Test  
 Variance-Covariance Matrix  
 Variation  
 Varimax Rotation  
 Vertical Equity  
 VIF  
 VIF Plots  
 Violin Chart  
 Violin Charts  
 Violin plot - side-by-side  
 Violin plot - split  
 Violin Plots  
 Violin Plots (2 Factors)  
 Von Mises Distribution

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**W**

Wald Confidence Interval  
 Wald Ratio Multiple  
   Comparisons of Proportions  
 Wald Statistic  
 Wald Test  
 Wald test of difference  
 Wald Z Confidence interval  
 Wald Z Continuity Correction  
 Wald Z Test  
 Wald-Wolfowitz Runs Test

Walters Confidence Interval  
 Ward's Minimum Variance  
   Linkage  
 Watson and Williams Test  
 Watson Test  
 Watson-Williams F-Test  
 Watson-Williams High  
   Concentration F-Test  
 Wave Regression  
 Weibull CDF Fit  
 Weibull Distribution  
 Weibull Error Regression  
 Weibull Fit  
 Weibull Fitting  
 Weibull Model Fit  
 Weibull Probability  
 Weibull Probability Plots  
 Weibull Regression  
 Weighted Coefficient of  
   Dispersion  
 Weighted Coefficient of  
   Variation  
 Weighted Deming Regression  
 Weighted Kappa  
 Weighted Kappa Reliability  
   Test  
 Weighted Kappa Statistic  
 Weighted Kappa Test for Inter-  
   Rater Agreement  
 Wei's Urn Randomization  
 Welch's Test with Unequal  
   Variances  
 Westgard Rules  
 Westlake's Confidence Interval  
 Whiskers  
 Wilcoxon Rank-Sum Test  
 Wilcoxon Signed-Rank Test  
 Wilcoxon Test  
 Wilcoxon-Mann-Whitney Test  
 Wilks' Lambda  
 Wilson Score  
 Wilson Score Confidence  
   Interval  
 Winters Forecasting

Wireframe Plots  
 Within Factors  
 Withing-Study Variation  
 Woolf's Confidence Interval  
 Woolf's Confidence Limits  
 Woolf's Odds Ratio Analysis  
 Working-Hotelling C.I. Band  
 Working-Hotelling Limits

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**X**

X-bar and R Charts  
 X-bar and s Charts  
 Xbar Charts  
 X-bar Charts  
 X-Y Plots  
 X-Y-Z Plots

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**Y**

Y vs X Plots  
 Yates' Continuity Corrected  
   Chi-Square Test  
 Yhat  
 Youden Index  
 Yule-Walker

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**Z**

Zero-Effect Test  
 Zero-Inflated Negative  
   Binomial Regression  
 Zero-Inflated Poisson  
   Regression  
 Zones  
 Z-Tests