

# NCSS Procedure and Topic List (Alphabetical)

## #

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

## 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  
Age-Specific Reference Intervals  
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

## B

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

## NCSS Procedure and Topic List (Alphabetical)

Backward-Step Regression  
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

## NCSS Procedure and Topic List (Alphabetical)

Censored Regression	Cluster Rates	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Non-Inferiority
Censoring	Cluster Standard Deviations	Comparing a Hazard Rate to a Null Hazard Rate - Group-Sequential - Superiority by a Margin
Centers	Cluster Survival	Comparing a Poisson Rate to a Null Poisson Rate - Group-Sequential
Centiles	Clustered Binary Diagnostic Tests	Comparing a Poisson Rate to a Null Poisson Rate - Non-Inferiority - Group-Sequential
Central Moments	Clustered Heat Maps (Double Dendrograms)	Comparing a Poisson Rate to a Null Poisson Rate - Superiority by a Margin - Group-Sequential
Central-Composite Designs	Clustering	Comparing a Proportion to a Null Proportion - Group-Sequential
Centroid Linkage	COC	Comparing a Proportion to a Null Proportion - Non-Inferiority - Group-Sequential
Change in Deviance Test	Cochran-Armitage Proportion Trend Test	Comparing Two AUCs
Chen's Quasi-Exact Confidence Interval	Cochran-Armitage Proportion Trend Test with Continuity Correction	Comparing Two Hazard Rates - 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
Chi-Square Normality Test	Coefficient Alpha	Comparing Two Means - Group-Sequential
Chi-Square Plots	Coefficient of Concentration	Comparing Two Means - Non-Inferiority - 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		

## 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 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  
Difference in Poisson Rates -  
Superiority by a Margin -  
Group-Sequential  
Difference in Proportions  
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  
Difference of Two proportions  
Difference vs. Average Plots  
Differencing  
Differential Evolution  
Discriminant Analysis  
Dispersion  
Dispersion Alpha  
Dispersion Phi  
Dissimilarity  
Dissimilarity Plots  
Distance  
Distance Metric  
Distribution  
Distribution (Weibull) Fitting  
Distribution Fitting  
Distribution Plots  
Distribution Simulation  
Distribution Statistics  
Distributions - Comparing  
DOE  
D-Optimal Designs  
Dose

Dose-Response  
Dose-Response Plots  
Dot Plots  
Dot Plots - Border  
Dot Plots (2 Factors)  
Double Dendrograms  
Double Exponential  
Smoothing  
Draw Function  
Dual Simplex Algorithm  
Duncan's Test  
Dunnett Multiple Comparisons  
of Proportions versus a  
Control  
Dunnett's Confidence Intervals  
Dunnett's Test vs. a Control  
Dunn's Partition Coefficient  
Dunn's Test  
Durbin-Watson Test  
Dwass-Steel-Critchlow-Fligner  
Test

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**E**

Econometrics  
EDF  
EDF Plots  
Effect Size Calculator  
Effect-Equality Test  
Efficacy Boundaries  
Efron Ties  
Efron's Biased Coin  
Randomization  
Eigenvalues  
Eigenvalues of a Correlation  
Matrix  
Eigenvector Plot  
Eigenvectors  
Eigenvectors of a Correlation  
Matrix  
EM Algorithm  
Empirical Distribution Function  
Empirical ROC Curve

Endogeneity  
Endogenous Variables  
Entering Data  
Enzyme Kinetics  
EP28-A3c  
Epanechnikov Kernel  
Equal Variance Tests  
Equality of Covariance  
Equal-Variance Test  
Equal-Variance Tests  
Equation Plots  
Equivalence  
Equivalence of Two AUCs  
Equivalence of Two Paired  
AUCs  
Equivalence Test for Sensitivity  
Equivalence Test for Specificity  
Equivalence Tests  
Equivalence Tests using TOST  
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  
Errors-in-Variables Regression  
ESD Outliers  
Estimation of Property Values  
Euclidean Distance  
EWMA Charts  
Exact Binomial Test  
Exact Conditional Binomial  
Test  
Exact Conditional Confidence  
Interval  
Exact Confidence Interval  
Exact Runs Test for  
Randomness  
Exact Runs Test for Serial  
Randomness  
Exact Test  
Exogenous Variables  
Expanded Design Matrix



## 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-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 - Y vs One X  
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 (Custom and Preset)  
    Model Fit - Y vs One X  
General Linear Models  
General Linear Models (GLM)  
General Linear Models (GLM)  
    for Fixed Factors  
Generate Designs  
Generating Data  
Geometric Mean

## NCSS Procedure and Topic List (Alphabetical)

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



## 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  
 Hazard Rates Two Group-  
 Sequential - Superiority by a  
 Margin  
 Hazard Ratio  
 Hazard Ratio Conversion  
 Heat Map  
 Heat Map of Correlations  
 Heat Maps  
 Heatmaps  
 Hessian Matrix  
 Heterogenous Variances  
 Heterogeneity Test  
 Heteroscedasticity  
 Hierarchical Clustering  
 Hierarchical Clustering /  
 Dendrograms  
 Hierarchical Forward Selection  
 Hierarchical Models  
 Hierarchical Regression  
 Hierarchical Subset Search  
 Hill Model Fit  
 Histograms  
 Histograms - Border  
 Histograms - Comparative  
 Histograms - Comparative (2  
 Factors)  
 Histograms - Smoothed  
 Hoeffding Test  
 Holliday Model Fit  
 Holt's Linear Trend  
 Holt-Winters Exponential  
 Smoothing  
 Holt-Winters Forecasting  
 Homogeneity Test  
 Homoscedasticity  
 Honest Significant Difference  
 Horizontal Equity  
 Hotelling's One-Sample T2  
 Hotelling's Paired-Sample T2  
 Hotelling's T2 Distribution  
 Hotelling's T2 Probability  
 Hotelling's Two-Sample T2

Hsu's M. C. with the Best  
 Huber's Method  
 Huynh-Feldt Epsilon  
 Hybrid Appraisal Models  
 Hyperbola  
 Hypergeometric Distribution  
 Hypergeometric Probability

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 I

I2 Index  
 Imputation  
 Imputing Data  
 I-MR Charts  
 Incidence Plots  
 Incidence Rate  
 Incidence rates  
 Incomplete Block Designs  
 Inconsistency Index (I2)  
 In-Control  
 Independence Tests  
 Individuals and Moving Range  
 Charts  
 Individuals Charts  
 Influence  
 Inspection Plans  
 Instrument Variables  
 Instrumental Variables  
 Integer Programming  
 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 Mean  
 Interim Analysis - One Mean -  
 Non-Inferiority  
 Interim Analysis - One Mean -  
 Superiority by a Margin

Interim Analysis - One Poisson  
 Rate  
 Interim Analysis - One Poisson  
 Rate - Non-Inferiority  
 Interim Analysis - One Poisson  
 Rate - Superiority by a  
 Margin  
 Interim Analysis - One  
 Proportion  
 Interim Analysis - One  
 Proportion - Non-Inferiority  
 Interim Analysis - One  
 Proportion - 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 Means  
 Interim Analysis - Two Means -  
 Non-Inferiority  
 Interim Analysis - Two Means -  
 Superiority by a Margin  
 Interim Analysis - Two Poisson  
 Rates  
 Interim Analysis - Two Poisson  
 Rates - Non-Inferiority  
 Interim Analysis - Two Poisson  
 Rates - Superiority by a  
 Margin  
 Interim Analysis - Two  
 Proportions  
 Interim Analysis - Two  
 Proportions - Non-Inferiority

## 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

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**J**

Jackknife Standard Error  
Estimation

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**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

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**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  
 MAPDM  
 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  
 Michaelis-Menten Model Fit - Y  
 vs One X  
 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

## NCSS Procedure and Topic List (Alphabetical)

Nondetects Analysis

Nondetects-Data Group  
Comparison

Nondetects-Data Regression

Non-Inferiority

Non-Inferiority of Two AUCs

Non-Inferiority of Two Paired  
AUCsNon-Inferiority Test for  
SensitivityNon-Inferiority Test for  
Specificity

Non-Inferiority Tests

Nonlinear Models

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-  
SequentialOne Hazard Rate - Group-  
Sequential - Non-InferiorityOne Hazard Rate - Group-  
Sequential - Superiority by a  
MarginOne Hazard Rate Group  
SequentialOne Hazard Rate Group  
Sequential - Non-InferiorityOne Hazard Rate Group  
Sequential - Superiority by a  
Margin

One Mean - Group-Sequential

One Mean - Non-Inferiority -  
Group-SequentialOne Mean - Superiority by a  
Margin - Group-SequentialOne Poisson Rate - Group-  
SequentialOne Poisson Rate - Non-  
Inferiority - Group-  
SequentialOne Poisson Rate - Superiority  
by a Margin - Group-  
Sequential

One Proportion

One Proportion - Equivalence  
TestsOne Proportion - Group-  
SequentialOne Proportion - Non-  
Inferiority - Group-  
SequentialOne Proportion - Non-  
Inferiority TestsOne Proportion - Superiority  
by a Margin - Group-  
SequentialOne Proportion - Superiority  
by a Margin Tests

One Proportion Tests

One ROC Curve and Cutoff  
AnalysisOne Survival Curve - Group-  
SequentialOne Survival Curve - Group-  
Sequential - Non-InferiorityOne Survival Curve - Group-  
Sequential - Superiority by a  
MarginOne Survival Curve Group  
SequentialOne Survival Curve Group  
Sequential - Non-InferiorityOne Survival Curve Group  
Sequential - Superiority by a  
Margin

One-Sample T-Test

One-Sample T-Test for  
EquivalenceOne-Sample T-Test for Non-  
InferiorityOne-Sample T-Test for  
Superiority by a MarginOne-Sided Dunnett Multiple  
Comparisons of Proportions  
versus a ControlOne-Way Analysis of  
Covariance (ANCOVA)

One-Way Analysis of Variance

One-Way ANOVA

Operating Characteristic  
CurvesOperating Characteristic  
Curves for Acceptance  
Sampling for Attributes



## NCSS Procedure and Topic List (Alphabetical)

Operations Research  
 Optimal Criterion Value  
 Optimal Data Matching  
 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	Partial Autocorrelation Plots	Poisson Probability
Paired Comparisons	Partial Correlation	Poisson Regression
Paired Difference	Partial Residual Plots	Poisson-Gamma Regression
Paired Means	Partition Around Medoids	Polynomial Model Fit - Y vs Multiple X's
Paired Proportions	Passing Bablok Regression	Polynomial Model Fit - Y vs One X
Paired ROC Curves	Passing Regression	Polynomial Model Search - Y vs Multiple X's
Paired T-test	Passing-Bablok Regression for Method Comparison	Polynomial Model Search - Y vs One X
Paired T-Test for Equivalence	Paule and Mandel Estimate	Polynomial Ratio
Paired T-Test for Non- Inferiority	PC Regression	Polynomial Ratio Model Fit
Paired T-Test for Superiority by a Margin	PCA	Polynomial Regression
Pairwise Multiple Comparisons of Proportions	Pearson Chi-square	Polynomial Search
Parametric Hazard Rate	Pearson Conditional Exact Test	Pooled Variance
Parametric Survival (Weibull) Regression	Pearson Correlation	Population Standard Deviation
Parametric Survival Regression	Pearson Residuals	Portmanteau Test
Pareto Charts	Pearson Test	Positive Likelihood Ratio
Partial Association	Pearson's Chi-Square Test	Positive Predictive Value
Partial Autocorrelation	Pearson's Contingency Coefficient	Power Model Fit
	Pepe and Mori's Test	Power Transformation
	Percentages	PPV
	Percentile Curve Fit	PRB
	Percentile Plots	PRD
	Percentile Plots (2 Factors)	Precision
	Percentiles	Precision Measure
	Period Plots	Precision-to-Tolerance Ratio
	Periodic Regression	Predicted Values
	Periodogram Plots	Prediction Limits
	Peto	Predictive Power
	Peto-Peto Test	PRESS Statistics
	Phi	Prevalence
	Pie Charts	Price-Related Bias
	Pillai's Trace	Price-Related Differential
	Plackett-Burman Designs	Principal Components
	Planned Comparisons	Principal Components Analysis
	Plot of Eigenvectors	Principal Components of a Correlation Matrix
	Plot of Principal Components Plots	Principal Components Regression
	Point Plots	Principal Coordinates
	Point-Biserial and Biserial Correlations	Printing Data
	Point-Biserial Correlation	Prob Correct vs. Cutoff Plots
	Poisson Distribution	

## NCSS Procedure and Topic List (Alphabetical)

Probability Calculator  
 Probability Distribution  
 Probability Distribution  
     Simulation  
 Probability Ellipse  
 Probability of Failure  
 Probability Plot Comparison  
 Probability Plots  
 Probit Analysis  
 Probit Plots  
 Process Capability Ratio  
 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 Search  
 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 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

## NCSS Procedure and Topic List (Alphabetical)

Repeatability and  
Reproducibility Study  
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

## NCSS Procedure and Topic List (Alphabetical)

Serial Randomness	Sinusoidal Pattern	Standardized Mean Difference
Shapiro-Wilk Normality Test	Sinusoidal Regressions	Standardized Residuals
Shewhart	Skewed Distribution	Stem-and-Leaf Plots
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 (of X) Model Fit - Y vs One X
	Standardized Difference	

## NCSS Procedure and Topic List (Alphabetical)

Sum of Functions Models  
 Sum-Difference Plots  
 Summarize Clusters  
 Summary Data  
 Summary Lists  
 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

## NCSS Procedure and Topic List (Alphabetical)

Tukey-Kramer Pairwise Multiple Comparisons of Proportions	Two Means - Superiority by a Margin - Group-Sequential	Two-Sample Equivalence Tests for Survival Data using Cox Regression
Tukey-Kramer Simultaneous Confidence Intervals	Two Means Cross-Over	Two-Sample Non-Inferiority Tests for Survival Data using Cox Regression
Tukey-Kramer Test	Two Poisson Rates - Group-Sequential	Two-Sample Superiority by a Margin Tests for Survival Data using Cox Regression
Tukey's Biweight	Two Poisson Rates - Non-Inferiority - Group-Sequential	Two-Sample T-Test
Tukey's HSD	Two Poisson Rates - Superiority by a Margin - Group-Sequential	Two-Sample T-Test - Equivalence
Tukey's Lambda Distribution	Two Proportions	Two-Sample T-Test - Non-Inferiority
Two Correlated Proportions	Two Proportions - Equivalence Tests	Two-Sample T-Test - Superiority by a Margin
Two Correlated Proportions - Equivalence Tests	Two Proportions - Group-Sequential	Two-Sample T-Test for Equivalence
Two Correlated Proportions - Non-Inferiority Tests	Two Proportions - Non-Inferiority - Group-Sequential	Two-Sample T-Test for Non-Inferiority
Two Correlated Proportions - Superiority by a Margin Tests	Two Proportions - Non-Inferiority Tests	Two-Sample T-Test for Superiority by a Margin
Two Correlated Proportions (McNemar Test)	Two Proportions - Superiority by a Margin - Group-Sequential	Two-Sample T-Test from Means and SD's
Two Hazard Rates - Group-Sequential	Two Proportions - Two-Sided Tests vs a Margin	Two-sided Tests vs. a Margin
Two Hazard Rates - Group-Sequential - Non-Inferiority	Two Survival Curves - Group-Sequential	Two-Stage Least Squares
Two Hazard Rates - Group-Sequential - Superiority by a Margin	Two Survival Curves - Group-Sequential - Non-Inferiority	Two-Treatment Cross-Over Analysis
Two Hazard Rates Group Sequential	Two Survival Curves - Group-Sequential - Superiority by a Margin	Two-Way Tables
Two Hazard Rates Group Sequential - Non-Inferiority	Two Survival Curves Group Sequential	
Two Hazard Rates Group Sequential - Superiority by a Margin	Two Survival Curves Group Sequential - Non-Inferiority	
Two Means	Two Survival Curves Group Sequential - Superiority by a Margin	
Two Means - Confidence Interval	Two-by-Two Tables	
Two Means - Group Sequential	Two-Level Design Analysis	
Two Means - Group-Sequential	Two-Level Designs	
Two Means - Non-Inferiority - Group Sequential	Two-level Factorial Designs	
Two Means - Non-Inferiority - Group-Sequential		
Two Means - Superiority by a Margin - Group Sequential		

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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



## NCSS Procedure and Topic List (Alphabetical)

Up-Down Runs Test  
UWM F-Test

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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