

# 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

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

ANOVA

Anscombe Residuals

AOV

Appraisal

Appraisal Models

Appraisal Ratio Studies

AQL

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

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

## 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

## B

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

## NCSS Procedure and Topic List (Alphabetical)

Bartlett's Test	Bonferroni C.I.'s	Capability Analysis
Batch Execution	Bonferroni Test	Capability Histograms
Beta Distribution	Bootstrap Confidence Interval	Capacitated Flow
Beta Distribution Fitting	Bootstrapping	Case-Control
Beta Probability	Border Plots	Cauchy Distribution
Beta Reliability Plots	Box Plots	CCC
Beta Trace	Box Plots (2 Factors)	Cell Counts
Beta Trace Plots	Box-and-Whisker Plots	Censored Regression
Between Factors	Box-Behnken Designs	Censoring
Biased Coin Randomization	Box-Cox Algorithm	Centiles
BIB Designs	Box-Cox for ANOVA	Central Moments
BIBD	Box-Cox for Linear Regression	Central-Composite Designs
Bimodal Data	Box-Cox for One-Way ANOVA	Centroid Linkage
Binary Correlation	Box-Cox for Regression	Change in Deviance Test
Binary Diagnostic Tests	Box-Cox for T-Test	Chen's Quasi-Exact Confidence Interval
Binary Diagnostic Tests - Clustered Samples	Box-Cox Plots	Chi-Square
Binary Diagnostic Tests - Paired Samples	Box-Cox Power Transformation	Chi-Square Distribution
Binary Diagnostic Tests - Single Sample	Box-Cox Transformation	Chi-Square Effect Size Calculator
Binary Diagnostic Tests - Two Independent Samples	Box-Cox Transformation for Simple Linear Regression	Chi-Square Normality Test
Binary Integer Programming	Box-Cox Transformation for Two or More Groups (T-Test and One-Way ANOVA)	Chi-Square Plots
Binary Response	Box-Jenkins	Chi-Square Probability
Binomial Distribution	Box-Pierce-Ljung Statistic	Chi-Square Probability Plots
Binomial Probability	Box's M Test	Chi-Square Test
Binomial Test	Breslow Ties	CIF
Binomial Test of Odds Ratio	Brown-Forsythe Test	Circular Correlation
Binormal ROC Curve		Circular Data Analysis
Bioequivalence	<b>C</b>	Circular Data Correlation
Bioequivalence Tests	C Charts	Circular Data Plots
Biserial Correlation	CA	Circular Dispersion
Bivariate Normal Distribution	Calculator - Chi-Square	Circular Histograms
Bivariate Normal Probability	Calculator - Odds Ratio and Proportions	Circular Statistics
Bivariate Plots	Calculator - Probability	Circular Uniform Distribution
Biweight Kernel	Calculator - Standard Deviation	Circular Variance
Blackwelder Test	Calculator - Survival Parameters	Circularity
Blackwelder-Nam Confidence Interval	Caliper Matching	CLSI
Bland-Altman	Candidate Points Report	Cluster Analysis
Bland-Altman Plot and Analysis	Candidate Properties	Cluster Means
Bland-Altman Plots	Canonical Coefficients	Cluster Medoid
Bleasdale-Nelder Model Fit	Canonical Correlation	Cluster Proportions
Block Outlier Tests	Canonical Scores	Cluster Randomization
Blocked Designs	Canonical Scores Plots	Cluster Randomization - Create Cluster Means Dataset
Bonferroni	Canonical Variates	Cluster Randomization - Create Cluster Proportions Dataset
Bonferroni Adjustment		Cluster Randomization - Create Cluster Rates Dataset

## NCSS Procedure and Topic List (Alphabetical)

Cluster Rates	Compound Symmetry	Correlation
Cluster Standard Deviations	Computing Runs	Correlation - Kendall's Tau
Cluster Survival	Concordance Coefficient	Correlation - Pearson
Clustered Binary Diagnostic Tests	Concordance Correlation Coefficient	Correlation - Point-Biserial
Clustered Heat Maps (Double Dendrograms)	Conditional Exact Confidence Interval - Odds Ratio	Correlation - Spearman
Clustering	Conditional Logistic Regression	Correlation Coefficient
COC	Conditional Mantel-Haenszel Test	Correlation Coefficient Distribution
Cochran-Armitage Proportion Trend Test	Conditional Probability	Correlation Confidence Interval
Cochran-Armitage Proportion Trend Test with Continuity Correction	Conditional Probability Plots	Correlation Distribution
Cochrane-Orcutt Procedure	Confidence Band	Correlation Eigenvalues
Cochran's Q Test	Confidence Interval	Correlation Matrix
COD	Confidence Interval for Means	Correlation Probability
Coefficient Alpha	Confidence Interval for Medians	Correlation Statistics
Coefficient of Concentration	Confidence Interval for One Mean	Correlations - Partial
Coefficient of Dispersion	Confidence Interval for One Proportion	Correlogram
Coefficient of Price-Related Bias	Confidence Interval for Paired Means	Correspondence Analysis
Coefficient of Variation	Confidence Interval for Proportions	Correspondence Plots
Coefficients	Confidence Interval for SD	Cosines
Collinearity	Confidence Interval for SD Ratio	Cost-Benefit Analysis
Column Percentages	Confidence Interval for Standard Deviation	Count Tables
Combining Distributions	Confidence Intervals for Comparing Two AUCs	Counts
Combo Charts	Confidence Intervals for Comparing Two Paired AUCs	Counts Regression
Combo Charts (2 Factors)	Confounding	COV
Communality	Constant Distribution	Covariance
Comparability	Constant Variance Test	Covariance Analysis
Comparable Property	Constraints	Covariance Eigenvalues
Comparables	Consumer's Risk	Covariance Matrix
Comparables Appraisal	Contaminated Normal Distribution	Covariance Pattern
Comparative Histograms	Contingency Table Calculator	Covariates
Compare Distributions	Contingency Tables	Cox Proportional Hazards Regression
Compare Means	Contingency Tables (Crosstabs / Chi-Square Test)	Cox Regression
Compare Probability Plots	Continuity Correction	Cox Test
Compare Two Distributions	Contour Maps	Cox-Mantel Logrank Test
Comparing Paired Difference Means	Contour Plots	Cox-Snell Residuals
Comparing Two AUCs	Control Charts	Cp
Comparing Two Means	Control Limits	Cp Plots
Comparing Two Paired AUCs	Cook's D	Cpk
Comparing Two ROC Curves - Independent Groups Design	Cook's Distance	Cpkm
Comparing Two ROC Curves - Paired Design	Cophenetic Correlation	Cpm
Competing Risks	COR	Cramer's V
Complete Linkage	Correlated Proportions	Cronbach's Alpha
Complete Randomization	Correlated T-Test	Cross Tabulation
		Cross-Correlations
		Cross-Correlations Plots
		Crossed Factors
		Cross-Over Analysis



## NCSS Procedure and Topic List (Alphabetical)

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  
 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  
 Extreme Studentized Deviate  
 Extreme Value Distribution  
 Extreme Value Error Regression  
 Extreme Value Fit  
 Extreme Value Probability Plots  
 Extreme Values

**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  
 Final Tableau  
 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  
 Fuzzy Clustering

**G**

G Matrix  
 G Statistic Test  
 Gamma  
 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

## NCSS Procedure and Topic List (Alphabetical)

Geometric Mean  
 Geometric Regression  
 Gleason-Staelin Redundancy Measure  
 GLM  
 Gompertz Model Fit  
 Goodness-of-Fit Tests  
 Graeco-Latin Square Designs  
 Gray's Test  
 Greedy Algorithm  
 Greedy Data Matching  
 Greedy Matching  
 Greenwood's Formula  
 Group Average Linkage  
 Group Comparison Plots  
 Grubbs' Outlier Test  
 Grubbs' Test  
 Gumbel Distribution

**H**

Half-Normal Distribution  
 Half-Normal Plots  
 Half-Normal Probability Plots  
 Harmonic Mean  
 Harmonic Regression  
 Hat Diagonal  
 Hat Values  
 Hat vs. Row Plots  
 Hausmans Test  
 Hazard Function  
 Hazard Function Plots  
 Hazard Rate  
 Hazard Rate Conversion  
 Hazard Rate Plots  
 Hazard Ratio  
 Hazard Ratio Conversion  
 Heat Map  
 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  
 Homoskedasity  
 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

**I**

Imputation  
 Imputing Data  
 I-MR Charts  
 Incidence Plots  
 Incidence Rate  
 Incidence rates  
 Incomplete Block Designs  
 In-Control  
 Independence Tests  
 Individuals and Moving Range Charts  
 Individuals Charts  
 Influence  
 Inspection Plans

Instrument Variables  
 Instrumental Variables  
 Integer Programming  
 Interquartile Range  
 Inter-Rater Agreement (Kappa)  
 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  
 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

## NCSS Procedure and Topic List (Alphabetical)

<b>L</b>	Lin's Concordance Correlation Coefficient	MAD
L Matrix	List Data	MADM
L'Abbe Plots	Ljung Statistic	MAE
Lack-of-Fit Test	LLM	Mahalanobis Distance
Lag	LoA	Mallow's Cp
Lag Plots	Loadings	Mallow's Cp
Lambda	Loadings Plots	Manhattan Distance
Lambda vs. SD Plots	Loess	Mann-Whitney Test
Laplace Distribution	Logarithmic Model Fit	MANOVA
Latin Square Design Analysis	Logistic Distribution	Mantel-Haenszel Confidence Intervals
Latin Square Designs	Logistic Error Regression	Mantel-Haenszel Logrank Test
Lawley-Hotelling Trace	Logistic Fit	Mantel-Haenszel Test
Levenberg-Marquardt Nonlinear Least-Squares Algorithm	Logistic Model Fit	MAPDMMADM
Levene's Equal Variance Test	Logistic Probability Plots	MAPE
Levey-Jennings Charts	Logistic Regression	Mardia-Watson-Wheeler Uniform-Scores Test
Life-Table Analysis	Logit	Marginal Association
Likelihood Ratio	Loglinear Models	Market Value
Likelihood Ratio Test	Log-Logistic Distribution	Martinez-Iglewicz Normality Test
Likert-Scale Data	Log-Logistic Error Regression	Martingale Residuals
Lilliefors' Critical Values	Log-Logistic Fit	Mass Appraisal
Limiting Quality Level	Log-Logistic Probability Plots	Matched
Limits of Agreement	Log-Logistic Regression	Matching
Line Charts	Lognormal Distribution	Matrix of Scatter Plots
Line Charts - 3D	Log-Normal Distribution	Mauchly's Test of Compound Symmetry
Line Charts (2 Factors)	Log-Normal Error Regression	Maximal Flow
Linear Discriminant Function	Log-Normal Fit	Maximum
Linear Discriminant Scores	Log-Normal Model Fit	Maximum Flow
Linear Discriminant Scores Plots	Log-Normal Plots	McHenry's Select Algorithm
Linear Mixed Model	Log-Normal Probability Plots	McNemar Test
Linear Model Fit	Log-Normal Regression	MDS Map
Linear Programming	Logrank Test	Mean Absolute Deviation
Linear Programming with Bounds	Longitudinal Data Analysis	Mean Absolute Deviation from the Median
Linear Programming with Tableau	Longitudinal Design	Mean Comparison
Linear Regression	Lot Proportion Defective	Mean Difference
Linear Regression - Box-Cox	Lot Tolerance Proportion Defective	Mean Direction
Linear Regression and Correlation	Lowess	Mean Equality
Linear Regression Plots	LP	Mean Input
Linear-Linear Model Fit	LQL	Means
Linear-Linear-Linear Model Fit	LTPD	Means Plots
Linear-Logistic Model		Measurement Error
Linear-Quadratic Model Fit	<b>M</b>	Median
Linkage	MA Charts	Median Absolute Deviation from the Median
Lin's CCC	Macro Command Center	
	Macros	

## NCSS Procedure and Topic List (Alphabetical)

Median Absolute Percent Deviation from the Median	Mixed Models - No Repeated Measures	Multivariate Variable Selection
Median Confidence Interval	Mixed Models - Random Coefficients	Multiway Frequency Analysis
Median Linkage	Mixed Models - Repeated Measures	Multiway Table
Median Remaining Lifetime	Mixing Distributions	
Median Survival Time Conversion	Mixture Design	
Median Test	Mode	
Medians	Model Fitting	
Median-Slope Regression	Model Fitting for Appraisal	
Medoid Clustering	Model Searching	
Medoid Partitioning	Modified Kuiper's Test	
Membership Matrix	Modified Levene's Test	
Merging Two Datasets	Modified Peto-Peto Test	
M-Estimators	Moment	
Meta-Analysis	Monomolecular Model Fit	
Meta-Analysis of Correlated Proportions	Monte-Carlo Simulation	
Meta-Analysis of Hazard Ratios	Morgan-Mercer-Floding Model Fit	
Meta-Analysis of Means	Mortality Ratio Conversion	
Meta-Analysis of Proportions	Mosaic Plots	
Method Comparison	Moving Average Charts	
Metric Multidimensional Scaling	Moving Range Charts	
Michaelis-Menten Equation	MRT	
Michaelis-Menten Model Fit	Multicollinearity	
Miettinen-Nurminen Score	Multidimensional Scaling	
Mill's Ratio	Multi-Group Concentration Homogeneity Test	
Min MSE	Multinomial Distribution	
Min RMSE	Multinomial Logistic Regression	
Minimum	Multinomial Test	
Minimum Cost Capacitated Flow	Multiple Comparison Tests	
Minimum Cost Flow	Multiple Comparisons Plots	
Minimum MSE	Multiple Regression	
Minimum Path	Multiple Regression - Basic	
Minimum Required Difference	Multiple Regression for Appraisal	
Minimum RMSE	Multiple Regression with Serial Correlation	
Minimum Spanning Forest	Multiple-Group Logistic Regression	
Minimum Spanning Tree	Multiplicative Model	
Minkowski Distance	Multisample Test	
Miss Rate	Multivariate Analysis	
Missing Count	Multivariate Analysis of Variance (MANOVA)	
Missing Value Estimation	Multivariate Normal	
MIVQUE	Multivariate Normal Missing Value Estimation	
Mixed Integer Linear Programming	Multivariate Polynomial Ratio Fit	
Mixed Integer Programming	Multivariate Regression	
Mixed Models	Multivariate T-Test	
Mixed Models - General		

---

**N**

		Nam Equivalence Test
		Nam Score Confidence Interval
		Nam Score Test
		Nam-Blackwelder Confidence Interval
		Nam-Blackwelder Test
		Nash's MRT Algorithm
		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
		Nonconforming
		Nondetects Analysis
		Nondetects-Data Group Comparison
		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 Distribution
		Normal Error Regression



## NCSS Procedure and Topic List (Alphabetical)

Normal Fit	Optimal Matching	Pearson Conditional Exact Test
Normal Model Fit	Optimal RHS	Pearson Correlation
Normal Probability	Optimization	Pearson Residuals
Normal Probability Plots	Original Cost	Pearson Test
Normal Range	Orthogonal Arrays	Pearson's Chi-Square Test
Normal Regression	Orthogonal Contrasts	Pearson's Contingency Coefficient
Normal Scores Test	Orthogonal Design	Pepe and Mori's Test
Normality Plots	Orthogonal Polynomial Contrasts	Percentages
Normality Test	Orthogonal Regression	Percentile Plots
Normality Tests	Outlier Detection	Percentile Plots (2 Factors)
NP Charts	Outlier Test	Percentiles
NPV	Outliers	Period Plots
Number Needed to Treat	Out-of-Control	Periodic Regression
Number of Runs	Overdispersion	Periodogram Plots
		Peto-Peto Test
		Phi
<b>O</b>	<b>P</b>	Pie Charts
Objective Function	P Charts	Pillai's Trace
Observational Study Matching	Paired Comparisons	Plackett-Burman Designs
Observational Study Stratification	Paired Difference	Planned Comparisons
OC Curves	Paired Means	Plots
Odds Ratio	Paired Proportions	Point Plots
Odds Ratio and Proportions Calculator	Paired ROC Curves	Point-Biserial and Biserial Correlations
Omnibus Normality Test	Paired t-test	Point-Biserial Correlation
One Proportion	Paired T-Test for Equivalence	Poisson Distribution
One Proportion - Equivalence Tests	Paired T-Test for Non-Inferiority	Poisson Probability
One Proportion - Non-Inferiority Tests	Paired T-Test for Superiority by a	Poisson Regression
One Proportion - Superiority by a	Margin	Poisson-Gamma Regression
Margin Tests	Parametric Hazard Rate	Polynomial Ratio
One Proportion Tests	Parametric Survival (Weibull)	Polynomial Ratio Model Fit
One ROC Curve and Cutoff Analysis	Regression	Polynomial Regression
One-Sample T-Test	Parametric Survival Regression	Population Standard Deviation
One-Sample T-Test for Equivalence	Pareto Charts	Portmanteau Test
One-Sample T-Test for Non-Inferiority	Partial Association	Positive Likelihood Ratio
One-Sample T-Test for Superiority by a	Partial Autocorrelation	Positive Predictive Value
Margin	Partial Autocorrelation Plots	Power Model Fit
One-Way Analysis of Covariance	Partial Correlation	Power Transformation
(ANCOVA)	Partial Residual Plots	PPV
One-Way Analysis of Variance	Partition Around Medoids	PRB
One-Way ANOVA	Passing Bablok Regression	PRD
Operating Characteristic Curves	Passing Regression	Precision
Operating Characteristic Curves for	Passing-Bablok Regression for Method	Precision Measure
Acceptance Sampling for Attributes	Comparison	Precision-to-Tolerance Ratio
Operations Research	PC Regression	Predicted Values
Optimal Criterion Value	PCA	Prediction Limits
Optimal Data Matching	Pearson Chi-square	PRESS Statistics

## NCSS Procedure and Topic List (Alphabetical)

Prevalence	Quadratic-Linear Model Fit	Ratio of Polynomials Search - Many Variables
Price-Related Bias	Quadratic-Quadratic Model Fit	Ratio of Polynomials Search - One Variable
Price-Related Differential	Quality Control	Ratio of Proportions
Principal Components	Quality Control Charts	Ratio of Standard Deviations
Principal Components Analysis	Quantile Regression	Ratio Plots
Principal Components Regression	Quantile Test	Ratio study
Principal Coordinates	Quantiles	Rayleigh Test
Printing Data	Quartiles	Rbar
Prob Correct vs. Cutoff Plots	Quartimax Rotation	Receiver Operating Characteristic Curve
Probability Calculator		Reciprocal Model Fit
Probability Distribution	<hr/>	Reference Bounds
Probability Distribution Simulation	<b>R</b>	Reference Interval
Probability Ellipse	R & R Study	Reference Intervals
Probability of Failure	R Charts	Reference Intervals - Age-Specific
Probability Plot Comparison	R Matrix	Reference Range
Probability Plots	Radial Plots	Regression
Probit Analysis	Random Coefficients Models	Regression Clustering
Probit Plots	Random Effects Models	Regression Coefficients
Process Capability Ratio	Random Factor	Regression Exchange Algorithm
Process Variation	Random Models	Regression for Appraisal
Producer's Risk	Random Numbers	Regression Plane
Product Inspection Plans	Random Sorting	Regression Plots
Product-Limit Estimator	Random Sorting using Maximum Allowable % Deviation	Regression Scores Plots
Product-Limit Survivorship	Random Subject Assignment	Regression Surface
Product-Moment Correlation	Randomization Algorithms	Relative Risk
Profile Plots	Randomization Lists	Relative Risk Reduction
Programming	Randomization Test	Reliability
Propensity Score	Randomized Block Design	REML
Propensity Score Matching	Randomized Block Design Analysis	Repeatability
Property Valuation	Randomized Complete Block Design Analysis	Repeatability and Reproducibility Study
Proportion - One	Randomness Tests	Repeated Measures
Proportion Correctly Classified	Range	Repeated Measures
Proportion Trend Test	Range Charts	Repeated Measures Analysis of Variance
Proportional Errors	Rank Regression	Repeated Measures Design Analysis
Proportional Hazards Regression	Ranks	Replicated Designs
Proportions	Rank-Sum Test	Reproducibility
Proportions - Two	Rater Reliability	Resampling Test
Proportions Calculator	Ratio of Polynomials	Residual Plots
Proportions Plot	Ratio of Polynomials Fit	Residuals
Proportions Tests	Ratio of Polynomials Fit - Many Variables	Response Surface
	Ratio of Polynomials Fit - One Variable	Response Surface Designs
<hr/>	Ratio of Polynomials Search	Response Surface Regression
<b>Q</b>		Restricted Maximum Likelihood
QP		
Quadratic Model Fit		
Quadratic Programming		



## NCSS Procedure and Topic List (Alphabetical)

Spectrum Plots  
 Sphericity Test  
 Spine Plots  
 Spline  
 Split-Plot Design Analysis  
 Split-Plot Design Generation  
 Stage Regression  
 Standard Deviation  
 Standard Deviation Calculator  
 Standard Deviation Charts  
 Standard Deviation Confidence Interval  
 Standard Deviation Confidence Limits  
 Standard Deviation Conversion  
 Standard Deviation Ratio  
 Standard Error  
 Standardized Canonical Coefficients  
 Standardized Residuals  
 Stem-and-Leaf Plots  
 Stem-Leaf Plots  
 Step-Down Selection  
 Stephens Test  
 Step-Up Selection  
 Stepwise Regression  
 Stepwise Selection  
 Strata  
 Stratification of Data  
 Stratified Logistic Regression  
 Stratum  
 Stress  
 Stress A  
 Stress B  
 Stress Plots  
 Studentized Deviance Residuals  
 Studentized Pearson Residuals  
 Studentized Range Distribution  
 Studentized Range Probability  
 Student's T Distribution  
 Student's T Probability  
 Subdistribution Hazards  
 Subject Plots  
 Subject Property  
 Subset Selection  
 Subset Selection in Multiple Regression  
 Subset Selection in Multivariate Y  
     Multiple Regression  
 Sum of Exponentials Model Fit  
 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 Distribution Fitting  
 Survival Function  
 Survival Parameter Conversion Tool  
 Survival Plots  
 Survival Quantiles  
 Survival Rates  
 Survival Regression  
 Survivorship - Beta Plots  
 Survivorship - Gamma Plots  
 Survivorship Plots  
 Symmetric Lambda

---

**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  
 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  
 Trimmed Mean  
 Trimmed Standard Deviation  
 True Negative Rate  
 True Positive Rate  
 Tschuprow's T  
 TSLS  
 T-Test  
 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 Simultaneous Confidence Intervals	Two-Sample T-Test from Means and SD's	<b>W</b>
Tukey-Kramer Test	Two-sided Tests vs. a Margin	Wald Confidence Interval
Tukey's Biweight	Two-Stage Least Squares	Wald Statistic
Tukey's HSD	Two-Treatment Cross-Over Analysis	Wald Test
Tukey's Lambda Distribution	Two-Way Tables	Wald test of difference
Two Correlated Proportions		Wald Z Confidence interval
Two Correlated Proportions - Equivalence Tests		Wald Z Continuity Correction
Two Correlated Proportions - Non-Inferiority Tests	<b>U</b>	Wald Z Test
Two Correlated Proportions - Superiority by a Margin Tests	U Charts	Wald-Wolfowitz Runs Test
Two Correlated Proportions (McNemar Test)	Unconditional Exact Farrington-Manning Score Test	Walters Confidence Interval
Two Means	Unequal Variances Tests	Ward's Minimum Variance Linkage
Two Means - Confidence Interval	Unequal-Variance T-Tests	Watson and Williams Test
Two Means Cross-Over	Uniform Distribution	Watson Test
Two Proportions	Uniform Kernel	Watson-Williams F-Test
Two Proportions - Equivalence Tests	Uniform Probability Plots	Watson-Williams High Concentration F-Test
Two Proportions - Non-Inferiority Tests	Uniformity Test	Wave Regression
Two Proportions - Superiority by a Margin Tests	Unweighted Means F-Test	Weibull Distribution
Two Proportions - Two-Sided Tests vs. a Margin	Up-Down Runs Test	Weibull Error Regression
Two-by-Two Tables	UWM F-Test	Weibull Fit
Two-Level Design Analysis		Weibull Fitting
Two-Level Designs	<b>V</b>	Weibull Model Fit
Two-level Factorial Designs	Van der Waerden Test	Weibull Probability
Two-Sample Equivalence Tests for Survival Data using Cox Regression	Variable Matching	Weibull Probability Plots
Two-Sample Non-Inferiority Tests for Survival Data using Cox Regression	Variable Selection	Weibull Regression
Two-Sample Superiority by a Margin Tests for Survival Data using Cox Regression	Variable Selection for Multivariate Regression	Weighted Coefficient of Dispersion
Two-Sample T-Test	Variable-Variate Correlations	Weighted Coefficient of Variation
Two-Sample T-Test - Equivalence	Variance	Weighted Deming Regression
Two-Sample T-Test - Non-Inferiority	Variance Equality Tests	Weighted Kappa
Two-Sample T-Test - Superiority by a Margin	Variance Inflation Factor	Weighted Kappa Reliability Test
Two-Sample T-Test for Equivalence	Variance Inflation Factor Plots	Weighted Kappa Statistic
Two-Sample T-Test for Non-Inferiority	Variance Ratio Equal-Variance Test	Weighted Kappa Test for Inter-Rater Agreement
Two-Sample T-Test for Superiority by a Margin	Variance Ratio Test	Wei's Urn Randomization
	Variance Test	Welch's Test with Unequal Variances
	Variance-Covariance Matrix	Westgard Rules
	Variation	Westlake's Confidence Interval
	Varimax Rotation	Whiskers
	Vertical Equity	Wilcoxon Rank-Sum Test
	VIF	Wilcoxon Signed-Rank Test
	VIF Plots	Wilcoxon Test
	Violin Plots	Wilcoxon-Mann-Whitney Test
	Von Mises Distribution	Wilks' Lambda
		Wilson Score
		Wilson Score Confidence Interval

## NCSS Procedure and Topic List (Alphabetical)

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

---

**X**

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

---

**Y**

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

---

**Z**

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