statgraphics 19®

A
A-optimal designs
Accelerated life tests
Acceptance control charts
Acceptance sampling
Adjusted R-squared
Adjusted residuals
Agglomeration distance plot
Agreement plot
Akaike's information criterion
Algorithmic cusum chart
Alias matrix
Alias optimal design
All possible regressions
Alpha plot
Alpha and beta risks
Analysis of covariance
Analysis of deviance
Analysis of means
Analysis of variance (ANOVA)
Anderson-Darling test
Andrews plot
Annual subseries plot
AOQ curve
AOQL plans
Appraiser variation
AQL
ARIMA control chart
ARIMA model estimation
ARIMA model simulation
Arrhenius plot
ASN function
ATI curve
Attribute capability analysis
Autocorrelations
Automatic forecasting
Autoregressive models
Average run length

B
Barcharts
Bartlett's equal variance test
Bartlett's sphericity test
Bayesian methods
Bernoulli distribution
Beta distribution
Bias analysis and correction
BIB designs
Bicubic splines
Big data
Binomial distribution
Biplot
Birnbaum-Saunders distribution
Bivariate capability analysis
Bivariate density
Bivariate mixture distributions
Bivariate normal distribution
Blocked designs
Bollinger bands
Bonferroni intervals
Bootstrap intervals
Box-and-whisker plots
Box-Behnken designs
Box-Cox transformations
Box-Pierce test
Brushing
Bubble chart
Butterfly plot
Buy-sell indicators

C
C charts
Capability analysis
Capability control charts
Capability indices
  CCpk, Cp, Cpk, Cpm
  DPM, CM, CK, CR, K
  Non-normal indices
  Sigma quality level
  Within and between
  Z-scores
Calibration models
Canonical correlations
Candlestick plot
Canonical variables plot
Capability ellipse
Casement plot
Cauchy distribution
Cause-and-effect diagram
Censored data analysis
Central composite designs
Chernoff faces
Chi-square decomposition
Chi-square distribution
Chi-squared test
City-block distance
Classification & regression trees
Classification functions & plot
Cluster analysis
  Furthest and nearest neighbor
  Ward's method
  k-means
Cochrane-Orcutt transformation
Coded scatterplot
Coefficient of variation
Collapse design
Comparison of regression slopes
Completely randomized designs
Component line chart
Communality
Compare proportion and rates
Comparison of correlations
Comparison of means and medians
Comparison of standard deviations
Component deviation plot
Component effects plot
Component extraction
Component loadings
Components of variance
Computer-generated designs
Condition gamma
Conditional sums of squares
Conformance analysis
Confounding pattern
Consumer's and producer's risk
Confidence bounds and intervals
Contingency coefficient
Contingency tables
Contour plot
Contrasts
Contribution plot
Control chart design
Control ellipse
Control to standard
Cook's distance
Correlations
Correspondence analysis
Correspondence map
Corrgram
Cost of quality trend analysis
Covariances
Covariates
Cox proportional hazards
Cox-Snell residuals
Cramer's V
Cramer-Von Mises statistic
Crosscorrelations
Crosstabulation
Cumulative distribution
Cumulative events plot
Critical values
Cronbach's alpha
Cross-validation
Crossover studies
Cube plot
Cubic spline
Cumulative failures plot
Cumulative hazard function
Cumulative Pareto chart
Cumulative score charts
Cumulative survival function
Curve fitting
Cuscore charts
Cusum charts

D
D efficiency
Dashboard
D-optimal designs
Data tapers
Death density function
Decision forests
Definitive screening designs
Demographic maps
Density trace
Design of experiments
  Augmentation
  Computer generated designs
  Design resolution
  Desirability functions
  Multiple-variable optimization
Diagnostic plots
Diagonal plot
Diamond plots
Discrete uniform distribution
Discriminant analysis
Discriminant functions plot
Dispersion dashboard
Dispersion index test
Distance graphs
Distribution fitting
Distribution-free tolerance intervals
Dixon's outlier test
Donut chart
Dot diagram
Draftman's plot
Draper-Lin designs
Duncan's test
Dunnett's procedure
Durbin-Watson statistic

E
EDF tests
Eigenvalues
Equimax rotation
Equivalence tests
Erlang distribution
Eta
Euclidian distance
Event rate estimation
EWMA charts
Expected mean squares
Exponential distribution
Exponential models
Exponential power distribution
Exponential smoothing
  Brown's, Holt's, Winters'
Extrapolation
Extreme value distribution
Extreme value plot
Extreme vertices designs

F
F distribution
F test
Factor analysis
Factor means plot
Factor plots
Factorability tests
Factorial designs
Failure rate analysis
Financial plots
Fishbone diagram
Fisher's exact test for 2x2 tables
Fisher's LSD intervals
Fixed and random factors
Folded normal distribution
Folded Blackett-Burman designs
Forecasting
Fraction of design space plot
Fractal
Fractional factorial designs
Freedman-Diaconis rule
Frequency histogram and table
Frequency polygon
Frequency tabulation
Friedman test

G
G chart
G-optimal designs
Gage accuracy and linearity
Gage performance plot
Gage studies
Games-Howell method
Gamma distribution
Gauss-Newton method
General linear models
Generalized gamma distribution
Generalized logistic distribution
Generalized variance chart
Geometric distribution
Geometric mean
Geospatial data analysis
Glyphs
Goodness-of-fit tests
Gradient map
Graeco-Latin squares
Graphical ANOVA
Greenhouse-Geisser correction
Growth curve
Grubbs' outlier test

H
H-K chart
Half-normal distribution
Half-normal plots
Hannan-Quinn criterion
Hanning
Hartley's test
Hazard functions
Heat map
Henderson's moving average
Hexagon plots
Hierarchical designs
High-low-close plot
Histograms
Homogeneous groups
Homogeneous Poisson process
Hotelling-Lawley trace
House of quality
Huynh-Feldt correction
Hyper-Graeco-Latin squares
Hypergeometric distribution
Hypothesis tests

I
I-optimal designs
Icicle plots
Individuals control charts
Inertia
Inflation adjustment
Influential points
Inner and outer arrays
Integrated periodogram
Interaction analysis and plot
Interevent time distributions
Interpolation
Interquartile range
Interrater comparisons
Intersextile range
Interval censoring
Inverse cumulative distributions
Inverse Gaussian distribution
Inversion prediction
Irregular fractions
Item reliability

J
Jackknifing
Jittering
Johnson curves

K
Kaiser-Meyer-Olsen measure
Kaplan-Meier estimates
Kendall rank correlations
Kendall's tau B and C
K-Means clustering
KMO
Kolmogorov-Smirnov test
Kriging
Kruskal-Wallis test
Kuiper's V
Kurtosis

L
Lack-of-fit test
Lambda
Laney chart
Laplace centroid test
Laplace distribution
Largest extreme value distribution
Latin square
Levene's test
Least squares means
Leverage
Life data regression
Life tables
Likert plot
Likelihood ratio test
Linear trend test
Linearity plot
Ljung-Box test
Log probit model
Log survivor function
Log cumulative hazard plot
Logarithmic models
Logistic distribution
Logistic regression
Logit transformation
Loglogistic distribution
Lognormal distribution

Lower and upper quartiles
LOWESS smoothing
LSD intervals
LTPD plans

M
MAD regression
Mahalanobis distance
Main effects plot
Mallows' Cp
Mann-Kendall test
Mann-Whitney test
MAPE, MAE and MSE
Marquardt method
Martingale residuals
Matrix plot
Mauchley's test
Maximum likelihood estimation
Maxwell distribution
Mean rank plots
Mean square PRESS
Mean time between failures (MTBF)
Mean, median and mode
Means and medians plot
Measurement variation
Median chart
Median polish
Median regression
Membership table
MIL-STD-105E, 1916 and 414
Missing data plot
Mixed level fractions
Mixed models
Mixture designs
Mode
Monte Carlo simulation
Mood's median test
Mosaic plot
Moving average charts
Moving range charts
Multi-vari charts
Multidimensional scaling
Multifactor ANOVA
Multifactor categorical designs
Multilevel factorial designs
Multiple comparisons
Multiple correspondence analysis
Multiple range tests
Multiple regression
Multiple response optimization
Multiple sample comparison
Multiple variable analysis
Multiple X-Y and X-Y-Z plots
Multiplicative models
Multivariate capability analysis
Multivariate control charts
Multivariate EWMA chart
Multivariate normal distribution
Multivariate normal random numbers
Multivariate normality test
Multivariate T-squared chart
Multivariate tolerance limits

N
NDC (number of distinct categories)
Negative binomial distribution
Negative binomial regression
Neural network classifier
Non-normal capability indices
Noncentral chi-square, t and F dists.
Nonhomogeneous Poisson process
Noninferiority tests
Nonlinear regression
Nonlinear smoothing
Nonparametric methods
Nonparametric tolerance limits
Normal distribution
Normal probability plot
Normal tolerance limits
Normalized control chart
Notched box-and-whisker plots
NP charts

O
OC curve
OC plans
Odds ratios
One dimensional point processes
One variable analysis
Oneway ANOVA
ONI plot
Open-high-low-close plots
Operator and part plot
Optimization
Orthogonal regression
Outlier identification
Overdispersion test
Overlaid contour plots

P
P and P' charts
P/T ratio
Paired sample comparison
Pairwise differences
Parallel coordinates plot
Parallel regression lines
Pareto charts
Pareto distribution
Partial autocorrelations
Partial correlations
Partial least squares (PLS)
Path of steepest ascent
Pearson correlations
Pearson curves
Pearson residuals
Percentiles
Periodogram
Perspective diagram
Phase 1 & phase 2 analysis
Piecewise linear regression
Piechart
Pillai trace
Packett-Burman designs
Point processes
Poisson distribution
Poisson regression
Polar coordinates plot
Polynomial regression
Population pyramids
Power curve
Power function model
Power transformations
Prediction accuracy
Prediction capability
Prediction limits
Prediction profile plot
Prediction R-squared
Prediction variance plot
PRESS residuals
Principal components
Probability distributions (51)
Probability plot
Probit analysis
Process mapping
Process Z
Profile plot
Python interface

Q
Q score statistic
Quality function deployment (QFD)
Quantile plot
Quantile-quantile plot
Quantile regression
Quartiles
Quartimax rotation

R
R charts
R interface
R-squared
R&R plot
Radar plot
Random censoring
Random number generators (45)
Random walk models
Randomized block designs
Randomness tests
Range chart
Rank correlations
Rank regression
Rayleigh distribution
Reciprocal models
Regression analysis
Relative inertia
Relative risk
Reliability analysis
Reliability test plans
Renewal processes
Repairable systems
Repeatability and reproducibility
Repeated measures
Residual autocorrelations
Residual distance graphs
Residual plots
Resistant regression
Resistant smoothing
Response surface designs
Response surface exploration
Reverse arrangement test
Ridge regression
Ridge trace
Risk analysis method
Robust parameter designs
Rootogram
Rotation of factors
Row and column profiles
Roy's greatest root
Run chart
Running medians
Runs tests

S
S chart
S curves
S-squared chart
Sample size determination
  Control charts
  Correlation coefficients
  One sample analysis
  Oneway ANOVA
  Rates and proportions
  Screening designs
  Tolerance limits
  Two samples
Sampling distributions
Sbi
Scale cusum chart
Scatterplots
Scheffe intervals
Schwarz Bayesian criterion
Scott's rule
Scree plot
Screening designs
Seasonal adjustment
Seasonal decomposition
Seasonal indices plot
Seasonal subseries plot
Sensitivity plots
Sequential probability ratio tests
Session log and audit trail
Sextiles
Shapiro-Wilk test
Sigma plot
Sigma quality level
Sign test
Signal theory method
Signal-to-noise ratio
Signed rank test
Simplex plot
Simplex-centroid designs
Simplex-lattice designs
Simulation
Single factor categorical designs
Six Sigma calculator
Skewness
Sky chart
Smallest extreme value distribution
Smoothing
Somer's D
Spearman rank correlations
Special cubic model
Specific variance
Spenser's moving averages
Spherical coordinates plot
Sphericity correction
Sphericity tests
Spider plot
Splines
Stability studies
Standard deviation
Standard error bars
Standardized regression coefficients
Standardized residuals
Standardized skewness and kurtosis
Star plots
Statistical tolerance limits
Steepest descent method
Stem-and-leaf display
Stepwise regression
Strip plots
Student-Neuman-Keuls
Student's t distribution
Studentized residuals
Sturges' rule
Subset analysis
Sunflower plot
Sunray plots
Surface fitting & plots
Survival functions
Suspended rootogram
Symmetry plot

T
T chart
T tests
T-squared chart
T-squared decomposition
Tabular cusum chart
Tabulation
Taguchi designs
Tail areas
Tapering
Ternary plot
Tests for normality
Tests for randomness
Text mining
Three-level factorial designs
Time sequence plots
Time series analysis
Tolerance charts
Tolerance intervals and bounds
Toolwear charts
Tornado plots
TOST (2 one-sided tests)
Trace plot
Trading bands
Tree diagram
Trend models
Trend tests
Triangular distribution
Trimmed mean
Trivariate density Statlet
Truncated sampling
Tukey's 3-median method
Tukey's HSD intervals
Tukey's nonlinear smoothers
Two sample comparisons
Two-level factorial designs
Two-way table
Type I and II censoring
Type I and III sums of squares

U
U and U' charts
Uncertainty coefficient
Uniform distribution
Univariate mixture distributions
Unusual residuals

V
V-mask cusum chart
Validation sets
Variance
Variance check
Variance components analysis
Variance dispersion graph
Variance inflation factor
Variance map
Variance ratio test
Variation barchart
Varimax rotation
Variogram
Venn and Euler diagrams
Vertical time sequence plot
Video recording
Violin plots
Visualization

W
Wald-Wolfowitz test
Warning limits
Waterfall plots
Watson's U^2 test
Weibayes method
Weibull analysis
Weibull distribution
Weibull plot
Weighted least squares
Wilcoxon test
Wilks' lambda
Wind rose
Winsorized mean & sigma
Wordcloud

X
X charts
X-Y and X-Y-Z plots
X-bar charts
X-13ARIMA-SEATS

Y
Yates' correction
Yield plot

Z
Z test
Zero-based acceptance
Zero-inflated count regression
Zero-inflated negative binomial distribution
Zero-inflated Poisson distribution
Z-scores