statgraphics®
centurion XVI

A
- Acceptance control charts
- Acceptance sampling
- Adjusted R-squared
- Agglomeration distance plot
- Akaike's information criterion
- Alias matrix
- All-possible regressions
- Analysis of means
- Analysis of variance
  - GLM
  - Oneway & multifactor
  - Variance components
- Anderson-Darling test
- ARIMA control chart
- ARIMA models
- Arrhenius plot
- Autocorrelations

B
- Barcharts
- Barlett's test
- Bernoulli distribution
- Beta distribution
- BIB designs
- Bicubic splines
- Binomial distribution
- Birnbaum-Saunders distribution
- Bivariate capability analysis
- Bonferroni intervals
- Bootstrap intervals
- Box-and-whisker plots
- Box-Behnken designs
- Box-Cox transformations
- Box-Pierce test
- Bubble chart

C
- C charts
- Calibration models
- Canonical correlations
- Capability analysis
  - Attributes & variables
- Capability indices
- Cp, Cpk, Cpm, CM, CR, K
  - DPM
  - Non-normal indices
  - Sigma quality level
  - Within and between
  - Z-scores
- Casement plot
- Cauchy distribution
- Central composite designs
- Chi-square distribution
- Chi-squared test
- Cluster analysis
- Centroid, median or group average
  - k-means
  - Furthest and nearest neighbor
  - Ward's method
- Cochran's test
- Cochrane-Orcutt transformation
- Coefficient of variation
- Comparison of regression slopes
- Completely randomized designs
- Component line chart
- Confidence bounds & intervals
- Contingency coefficient
- Contingency tables
- Conditional gamma
- Contour plot
- Control chart design
- Control charts
- Correlations
- Correspondence analysis
- Cost of quality trend analysis
- Covariances
- Cox proportional hazards
- Cramer's V
- Cramer-Von Mises statistic
- Cross-correlations
- Crosstabulation
- Cumulative distributions
- Cumulative event plot
- Custom charts
- CuSum charts

D
- Deleted residuals
- Dendograms
- Density trace
- Design of experiments
  - Analysis
  - Augmentation
  - Creation
  - Multiple-variable optimization
  - Screening design selection
- Desirability functions
- Distribution fitting
  - Censored or uncensored data
- Discrete uniform distribution
- Discriminant analysis
- Distribution-free tolerance limits
- Dixon's outlier test
- D-optimal designs
- Dot diagram
- Draftsman's plot
- Draper-Lin designs
- Duncan's test
- Durbin-Watson statistic

E
- Erlang distribution
- Eta
- Event rate estimation
- EWMA charts
- Exponential distribution
- Exponential models
- Exponential power distribution
- Exponential smoothing
  - Brown's, Holt's, Winter's seasonal
- Extrapolation
- Extreme vertices designs

F
- F distribution
- F test
- Factor analysis
- Factor means plot
- Factorial designs
- Failure rate statistics
- Fisher's exact test for 2x2 tables
- Fisher's LSD intervals
- Fixed and random factors
- Folded normal distribution
- Forecasting - automatic time series
- Fraction of design space plot
- Fractional factorial designs
- Friedman test
- Frequency polygon

G
- Gage studies
- Attributes and variables
- Gamma distribution
- Generalized gamma distribution
- General linear models
- Generalized logistic distribution
- Geometric distribution
- Geometric mean
- Grubbs' outlier test

H
- Half-normal distribution
- Half-normal plots
- Hannan-Quinn criterion
- Hartley's test
- Hazard functions
- Hierarchical designs
- Henderson's moving averages
- High-low-close plot
- Histograms
- Hypergeometric distribution
- Hypothesis tests

I
- Icicle plots
- Inner and outer arrays
- Integrated periodogram
- Inverse cumulative distributions
- Inverse Gaussian distribution
- Interevent time distributions
- Interquartile range
- Intersextile range

J
- Jackknife
- Jittering

K

- Kendall rank correlations
- Kendall's tau B and C
- Kolmogorov-Smirnov tests
- Kruskal-Wallis test
- Kuiper's V
- Kurtosis

L

- Lack-of-fit test
- Latin squares
- Lambda
- Laplace distribution
- Largest extreme value distribution
- Levene's test
- Leverage
- Life data regression
- Life tables
- Likelihood ratio tests
- Linear models
- Linear trend test
- Logarithmic models
- Logistic distribution
- Logistic regression
- Loglogistic distribution
- Lognormal distribution
- Log survival functions

M

- MAD
- MAD regression
- Mann-Whitney test
- Matrix plot
- Maxwell distribution
- Mean, median & mode
- Mean time between failures (MTBF)
- Median plot
- Median polish
- Mixed models
- Mood's median test
- Mosaic plot
- Moving average charts
- Moving range charts
- Multifactor ANOVA
- Multiple correspondence analysis
- Multiple regression
- Multiple X-Y & X-Y-Z plots
- Multiplicative models
- Multi-vari charts
- Multivariate control charts

N

- Negative binomial distribution
- Neural networks
- Noncentral chi-square, t and F dists.
- Nonhomogeneous Poisson processes
- Nonlinear regression
- Normal distribution
- Normal probability plot
- Notched box-and-whisker plots
- NP charts

O

- One variable analysis
- Optimization
- Outlier identification

P

- P charts
- Pareto charts
- Pareto distribution
- Partial autocorrelations
- Partial correlations
- Partial least squares (PLS)
- Path of steepest ascent
- Pearson curves
- Pearson's R
- Percentiles
- Periodogram
- Piechart
- Plackett-Burman designs
- Point processes
- Poisson distribution
- Poisson regression
- Polar coordinates plot
- Polynomial regression
- Power transformations
- Prediction limits
- Prediction profile plot
- Prediction variance plot
- PRESS residuals
- Principal components
- Probability distributions (45)
- Probability plots
- Probit analysis
- Process mapping

Q

- QFD Matrix
- Quantile plot
- Quantile-quantile plot
- Quartiles

R

- R charts
- R-squared
- Random number generators (45)
- Random walk models
- Randomized block designs
- Randomness tests
- Range
- Rayleigh distribution
- Reciprocal models
- Renewal processes
- Residual plots
- Resistant regression
- Response surface exploration
- Response surface plot
- Robust designs
- Rowwise statistics
- Run chart
- Runs tests

S

- S chart
- S curves
- Sample size determination
  - Control charts
  - One sample analysis
  - Oneway ANOVA
  - Rates and proportions
  - Screening designs
  - Two samples
- Sbi
- Scatterplot matrix
- Scatterplots
- Scheffe intervals
- Schwarz Bayesian criterion
- Sequential probability ratio tests
- Sextiles
- Shapiro-Wilks test
- Sign test
- Signed rank test
- Simplex-centroid designs
- Simplex-lattice designs
- Skewness
- Skychart
- Smallest extreme value distribution
- Smoothing
- Somer's D
- Spearman rank correlations
- Spenser's moving averages
- Spherical coordinate plot
- Spider plot
- Splines
- Standard deviation
- Standard error bars
- Standardized skewness & kurtosis
- Star plots
- Stepwise regression
- Studentized residuals
- Stem-and-leaf display
- Student's t distribution
- Student-Neuman-Keuls
- Subset analysis
- Sunray plots
- Survival functions
- Symmetry plot

T

- t tests
- Tabulation
- Time sequence plots
- Time series analysis
- Trend models
- Tolerance charts
- Tolerance limits
- Toolwear charts
- Trend tests
- Triangular distribution
- Trimmed mean
- Tukey's HSD intervals
- Tukey's nonlinear smoothers
- Two sample comparisons
- Type I and III sums of squares

U

- U charts
- Uncertainty coefficient
- Uniform distribution

V

- Variance
- Variance components analysis
- Variance dispersion graph

W

- Watson's U2
- Weibull analysis
- Weibull distribution
- Winsorized mean & sigma

X

- X charts
- X-Y & X-Y-Z Plots
- X-bar charts

Z

- Zone charts