

STATGRAPHICS

Centurion XV

A

- Acceptance control charts
- Acceptance sampling
- Adjusted R-squared
- Agglomeration distance plot
- Akaike's information criterion
- 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 charts
- Control chart design
- Cost of quality trend analysis
- Correlations
- Covariances
- Cox proportional hazards
- Cramer's V
- Cramer-Von Mises statistic
- Cross-correlations
- Crosstabulation
- Cumulative distributions
- 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
- EWMA charts
- Exponential distribution
- Exponential models
- Exponential power distribution
- Exponential smoothing
 - Brown's, Holt's, Winter's seasonal
- Extreme vertices designs

F

- F distribution
- F test
- Factor analysis
- Factor means plot
- Factorial designs
- Fisher's exact test for 2x2 tables
- Fisher's LSD intervals
- Fixed and random factors
- Folded normal distribution
- Forecasting - automatic time series
- 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
- Interquartile range
- Intersextile range

J

- Jackknife

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
 Median plot
 Median polish
 Mixed models
 Mood's median test
 Mosaic plot
 Moving average charts
 Moving range charts
 Multifactor ANOVA
 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.
 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
 Poisson distribution
 Poisson regression
 Polar coordinates plot
 Polynomial regression
 Power transformations
 Prediction limits
 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
 Residual plots
 Resistant regression
 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
 Sextiles
 Shapiro-Wilks test
 Sign test
 Signed rank test
 Simplex-centroid designs

Simplex-lattice designs
 Skewness
 Skychart
 Smallest extreme value distribution
 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
 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

W

Watson's U^2
 Weibull analysis
 Weibull distribution
 Winsorized mean & sigma

X

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

Z

Zone charts