XLSTAT

your data analysis solution

A real success story

XLSTAT in numbers

- Over 20,000 users in more than 90 countries
- Dozens of new users every day
- Users in leading universities and companies around the world
- Users of many different types, from beginners to highly-qualified experts
- An impressive list of partners

XLSTAT's added value

- Over 100 statistical functionalities integrated into Microsoft Excel
- A user-friendly interface
- Fast and robust computations
- Highly-efficient support services

Requirements

- Microsoft Windows versions 9x, NT, 2000, Me,XP, Vista
- Mac OSX
- Microsoft Excel versions 97 till 2007
- RAM: 128 Mb
- Free disk space: 45 Mb

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Data analysis and statistical solution for MS Excel

Finding answers to your business or research questions has never been easier. With XLSTAT and Excel, you can take full advantage of the latest and most performing methods for analyzing and modeling data. XLSTAT is a complete data analysis and statistical toolbox for Microsoft Excel. All tools and functions can be accessed quickly and simply through a set of toolbars and menus integrated into Excel.
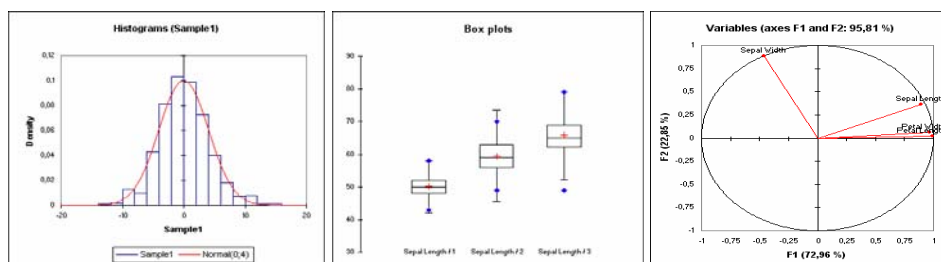
XLSTAT uses Microsoft Excel as an interface to input the data and to output results tables and charts. However, XLSTAT uses it's own mathematical and statistical functions library to avoid the lack of stability of some of the Excel functions. XLSTAT has been proven to be a highly reliable software.

Preparing and describing data

XLSTAT allows you to reorganize and restructure your data for easier and more accurate analysis. XLSTAT histograms, descriptive statistics, box plots, and correlation analyses help you discover the most striking characteristics of your data.

Preparing data: Data Sampling, Distribution Sampling, Discretization, Presence/Absence coding, Full Disjunctive Tables, Cross tables, Coding, Coding by Ranks, Variable transformations.
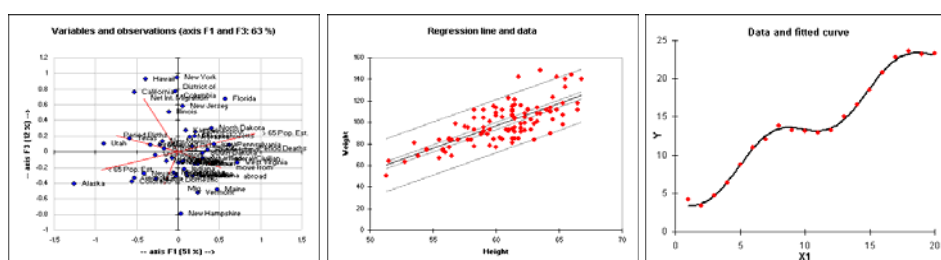**Describing data**: Descriptive Statistics (including box plots), Histograms, Contingency tables (Two-way Table), Correlations and Similarity/Dissimilarity Matrices, Normality tests. …

Analyzing and modeling data

XLSTAT offers a series of tools that can be used by students and experts alike. XLSTAT's user-friendly interface simplifies the use of complex data analysis techniques such as Principle Component analysis (PCA), Correspondence analysis, linear, nonlinear, logistic and kernel regression, and ANOVA (analysis of variance). Results are displayed in Excel sheets, making it easy to re-use the data for additional analysis or presentations.

Analyzing data: Factor Analysis, Principal Component Analysis (PCA), Biplot, Discriminant analysis (DA), Correspondence Analysis (CA), Multiple Correspondence Analysis (MCA), Multidimensional Scaling (MDS), Agglomerative Hierarchical Clustering (AHC), k-means Clustering, Univariate Clustering. **Modeling data**: Distribution Fitting, Linear regression (simple, multiple, stepwise), ANOVA (multiple comparisons tests), ANCOVA, Logistic regression (Logit, Probit), Nonlinear regression, Kernel regression, Decision trees.
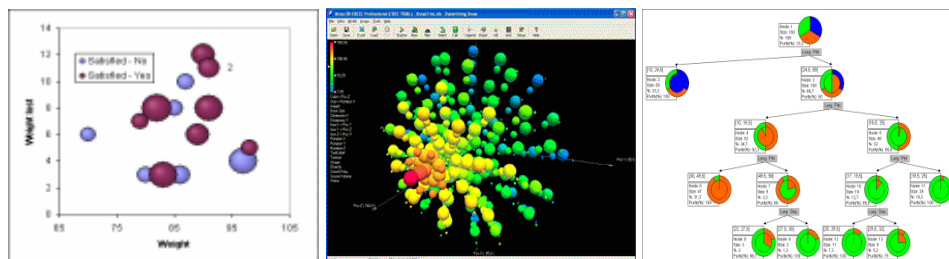
Testing hypotheses

XLSTAT offers a wide variety of statistical tests to allow you to test hypotheses. The results of the tests include a first level conclusion to ease your interpretation.

Tests: Tests on Contingency Tables, Correlation tests, Parametric tests for comparison of two samples (F, t, z, Levene, Bartlett), Comparison of two proportions, Non parametric Tests on two independent samples (Kolmogorov-Smirnov, Mann-Whitney, Wilcoxon), Non parametric Tests on two paired samples (Wilcoxon's signed-ranks test and the sign test), Non parametric Tests on k independent samples (Kruskal-Wallis' test), Non parametric Tests on k paired samples (Friedman's test); Goodness of fit tests after distribution fitting (Chi-square, Kolmogorov-Smirnov); Normality tests (Jarque-Bera, Shapiro-Wilk). Cochran-Armitage trend test, Cochran Q test, McNemar's test.

Visualizing data

XLSTAT includes a few tools that facilitate the visualization of data. The scatter plot allows you to plot two-dimensional data while taking grouping information, or take into account the superimposing of some points, and to easily label points. A complementary module, XLSTAT-3DPlot allows to create striking visualizations of your data.

Visualizing data: Excel charting utilities, Plot transformers, Scatter plots, Parallel coordinates, …

Complementary modules

XLSTAT–ADA: for Advanced Data Analysis (RDA, CCA, GPA, MFA)

XLSTAT-3DPlot: for visualizing data in three dimensions.

XLSTAT-Time: for time series analysis: Smoothing (moving average, simple and double exponential, Holt-Winters additive and multiplicative), Spectral analysis, Fourier transform, Variable transformations (Box-Cox, Differencing, Detrending, Deseasonalizing), Descriptive statistics (Autocorrelation function, PACF, Cross-correlations, white noise tests), ARIMA models.

XLSTAT-PLS: for Partial Least Squares Regression and PCR regression.

XLSTAT-MX: for Preference mapping, GPA, penalty analysis.

*XL*STAT-Life: for survival data analysis (Life tables and Kaplan-Meier analysis).

XLSTAT-Pivot: a must have complement for *XL*STAT users who need to quickly create pivot tables while discovering important trends and factors impacting their business.

XLSTAT-Dose: for dose effects analysis.

Why choose XLSTAT?

*XL*STAT is the data analysis and statistical software that offers you the best value. You may be using another data analysis solution already, but as soon as you start with *XL*STAT you'll be astonished by your gains in efficiency.

Unbeaten support services

The Addinsoft support team answers questions most often within minutes. Questions are answered by experts that will always do their best to support you until you have a satisfactory solution to your problems.

Applications

Quantitative Marketing
Survey analysis
Sensory data analysis
Risk analysis and modeling
Survival data analysis
Geological research
Ecology
Experimentations
Psychometrics
Chemometrics
Quality control
Teaching

Industries

Market research
Food and cosmetics
Education, Public research
Petroleum, Finance
Manufacturing