



Data analysis and statistics with MS Excel®

With XLSTAT and Microsoft Excel, you can take full advantage of the latest and best performing methods for analyzing and modeling data.

XLSTAT uses Microsoft Excel as an interface to input the data and to output results tables and charts. However, XLSTAT uses its own mathematical and statistical functions library to enhance the performance and reliability of some of the Microsoft Excel functions.

Why choose XLSTAT?

XLSTAT is the data analysis and statistical software that offers you the best value for your money.

You may already have another data analysis solution, but as soon as you start using XLSTAT you'll be astonished by your gains in efficiency.

Unrivalled customer and technical support

The Addinsoft support team is available to answer any questions you may have when using the software. Our specialists are on hand to help you solve all your technical issues. Questions are answered by experts that will always do their best to help you until you have a satisfactory solution to your problems.

Over **30,000** customers in more than **100** countries



Fast and reliable
Computations

Unparalleled
customer &
technical support

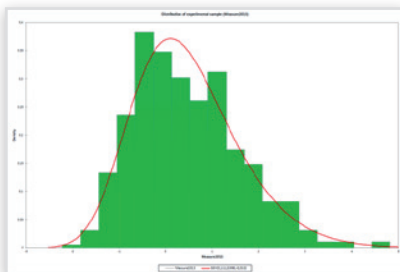


XLSTAT features

Over 150 statistical functionalities integrated into Microsoft Excel:

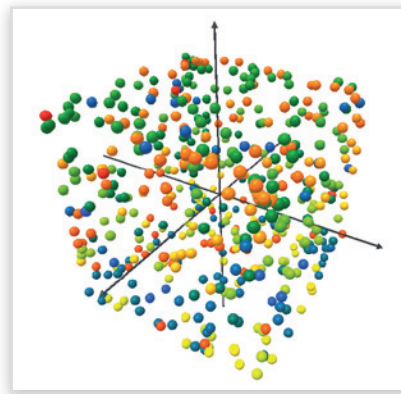
Preparing and describing data

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 pertinent characteristics of your data.



Visualizing data

XLSTAT includes several tools that facilitate the visualization of data, including Box plots, scattergrams and scatter plots. A complementary module, XLSTAT-3DPlot allows you to create compelling visualizations of your data.

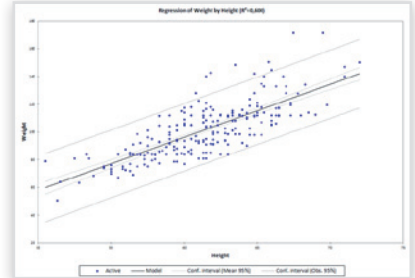


Analyzing data

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 and discriminant analysis.

Modeling data

Capabilities allowing you to explain or predict 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.



Testing hypotheses

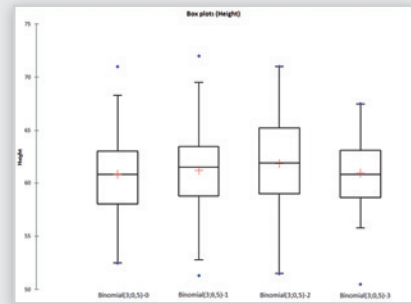
XLSTAT offers a wide variety of parametric and nonparametric statistical tests that allow you to test hypotheses. The results of the tests include a primary conclusion to facilitate your interpretation.

Preparing data:

- Sampling data
- Distribution sampling
- Discretization
- Presence/Absence coding
- Full Disjunctive Tables, Coding
- Coding by Ranks
- Survey Raking
- Data management (filtering, dedupe, merge)
- Variables transformation

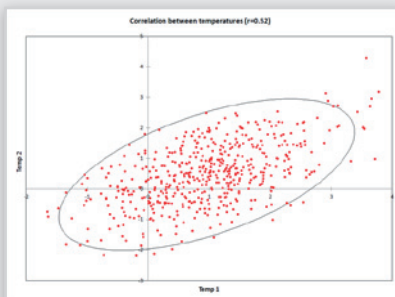
Describing data:

- Biserial correlation
- Descriptive statistics
- Estimating quantiles
- Histograms
- Similarity/dissimilarity matrices
- Multicollinearity statistics
- Normality tests
- Resampling statistics
- Statistics on contingency tables



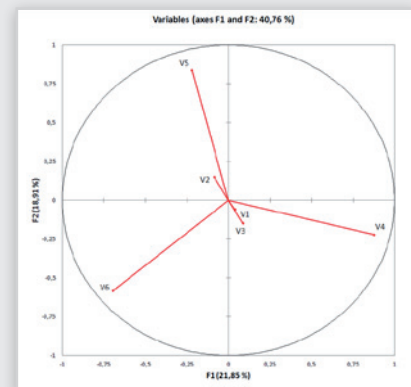
Visualizing data:

- Univariate plots (Box plots, q-q plots, ...)
- Graphical utilities for MS Excel
- Scatter plots
- Parallel coordinates plots



Analyzing data:

- Factor Analysis
- Principal Component Analysis (PCA)
- 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
- Regression (simple, multiple, stepwise)
- ANOVA / ANCOVA (multiple comparisons)
- Mixed models
- Models for qualitative dependent variables (Logistic regression, Logit, Probit, multinomial and ordinal logit)
- Nonlinear regression,
- Nonparametric regression (Kernel and LOWESS)
- Classification trees

Tests :

- Tests on contingency tables
- Tests on correlations
- Parametric tests to compare 2 samples
- Distribution fitting
- Tests for one, two or more proportions
- Nonparametric tests for 2 sample comparisons (Kolmogorov-Smirnov, Mann-Whitney, Wilcoxon, Mood)
- Nonparametric tests to compare two paired samples (Wilcoxon and signed rank)
- Nonparametric tests on k independent samples (Kruskal-Wallis),
- Non-parametric test on k paired samples (Friedman, Durbin, Page tests)
- Test de Cochran Armitage
- Cochran and McNemar tests
- Mantel test
- Runs test

Complementary modules

XLSTAT-3DPlot: Visualize data in three dimensions

XLSTAT-ADA: Advanced Data Analysis including CCoRA, RDA, CCA, GPA, MFA, PCoA

XLSTAT-CCR: Correlated Component Regression

XLSTAT-Conjoint: Conjoint analysis

XLSTAT-DOE: Design Of Experiments

XLSTAT-Dose: Dose effects analysis

XLSTAT-Life: Survival data analysis including Kaplan-Meier analysis, Cox regression, ROC curves, sensitivity and specificity analysis

XLSTAT-MX: Preference mapping, GPA, penalty analysis, TURF, Shelf life analysis

XLSTAT-Pivot: Create pivot tables while discovering important trends and factors

XLSTAT-PLS: Partial Least Squares Regression and PCR regression

XLSTAT-PLSPM: PLS Path modeling

XLSTAT-Power: Power analysis and sample size computation

XLSTAT-Sim: Monte Carlo simulations and risk analysis

XLSTAT-SPC: Statistical Process Control

XLSTAT-Time: Time series analysis and forecasting including Smoothing, variable transformations, descriptive statistics, SARIMAX models, homogeneity and trend tests.

Applications

- Teaching and training
- Chemometrics
- Ecology
- Scientific research
- Geological research and exploration
- Psychometrics
- Quality control
- Quantitative marketing
- Risk analysis and modeling
- Survey analysis
- Sensory data analysis
- Survival analysis

Prerequisites

PC :

- Microsoft Windows NT, 2000, XP, Vista, Win 7, Win 8
- Microsoft Excel versions 97 to 2013
- Processor: 32 or 64 bits

MAC :

- Mac OSX, 10.4 or later
- Microsoft Excel versions 2004 and 2011

Hard disk space: 100 Mb

Users

Among the companies and universities that use XLSTAT



Audit, Bank, Finance and Strategy

- Accenture
- AXA
- BCG
- Bearingpoint
- BNP-Paribas
- Crédit Agricole
- ...



Food, Beverages and Flavors

- Arla Foods
- BEL
- Cadbury
- Campbell Soup Company
- Château Latour
- Chimay
- ...



Research centers

- Archaeological Consulting Services
- CSIRO
- CGIAR
- NASA
- NIH
- USGS
- USEPA
- ...



Gouvernement

- Australian Government
- Analytical Laboratories
- Mairie de Paris
- Ministère des Transports du Québec
- ...



Pharmaceuticals, Biopharma, and Chemicals

- BASF
- Bayer
- Bio-Rad
- Biomerieux
- Bristol-Meyers Squibb Co.
- ...



Consumer goods

- Cartier
- Chanel
- Colgate-Palmolive Company
- Procter and Gamble
- Hitachi
- Sony
- ...



Marketing and communications

- Gfk
- Millard Brown
- Research International
- Synovate
- TNS Sofres
- Wrigley
- ...



Universities

- Cambridge University
- Colorado State University
- Cornell
- Ecole des Mines de Paris
- Essec
- Harvard University
- ...



Utilities & Energy

- BP
- ChevronTexaco
- EDF
- Exxonmobil
- Motorola
- Orange
- ...



Transport

- Air France
- Boeing
- Citroën
- Daimler
- Fiat
- Quantas
- ...



Internet

- Facebook
- Yahoo
- MSN
- Netsuite
- ...

XLSTAT[®]

Contact us

Addinsoft
40 rue Darnémont 75018 PARIS
FRANCE

Phone: +33 1 70 06 04 88

Fax: +33 1 53 01 65 88

Email: info@xlstat.com

Web: www.xlstat.com

Copyrights:

Excel and Windows are registered trademarks of Microsoft Corporation. XLSTAT is a registered trademark of Addinsoft.