**List of Statistical Packages**

**Open source:**

* ADaMSoft – a generalized statistical software with Data mining algorithms and methods for data management.
* ADMB – a software suite for non-linear statistical modeling based on C++ which uses automatic differentiation.
* Bayesian Filtering Library
* Chronux – for neurobiological time series data
* DAP – A free replacement for SAS
* ELKI a software framework for development of data mining algorithms in Java.
* Fityk – nonlinear regression software (GUI and command line)
* gretl – gnu regression, econometrics and time-series Library
* JAGS – Just another Gibbs sampler (JAGS) is a program for analysis of Bayesian hierarchical models using Markov Chain Monte Carlo (MCMC) developed by Martyn Plummer. It is similar to WinBUGS.
* JMulTi
* LIBSVM and LIBLINEAR, C++ support vector machine libraries
* Mondrian (software) - data analysis tool using interactive statistical graphics with a link to R.
* Octave – programming language (very similar to Matlab) with statistical features
* OpenBUGS
* OpenEpi – A web-based, open source, operating-independent series of programs for use in epidemiology and statistics based on JavaScript and HTML
* OpenMx – A package for Structural equation modeling running in R.
* Orange, a machine learning and bioinformatics software
* Ploticus – software for generating a variety of graphs from raw data
* Plotly – Plotting library and styling interface for analyzing data and creating browser-based graphs. Available for R, Python, MATLAB,Julia, and Perl.
* PSPP – A free software alternative to IBM SPSS Statistics
* R – A free implementation of the S language.
* R Commander – GUI interface for R
* Rattle GUI – GUI interface for R
* pbdR - "Programming with Big Data in R" is a series of R packages enhanced by SPMD parallelism for Big Data analysis.
* RapidMiner, a machine learning toolbox
* Revolution Analytics – Production-grade software for the enterprise big data analytics
* Salstat - Menu driven statistics software
* SCaViS – Java-based statistical analysis framework for scientists and engineers. It includes an advanced IDE and Jython shell.
* Scilab – uses GPL compatible CeCILL license
* SciPy (a Python library for scientific computing) contains the stats sub-package which is partly based on the venerable |STAT (a.k.a.PipeStat, formerly UNIX|STAT) software
* scikit-learn extends SciPy with a host of machine learning models (classification, clustering, regression, etc.)
* Shogun, an open source Large Scale Machine Learning toolbox that provides several SVM (Support Vector Machine) implementations (like libSVM, SVMlight) under a common framework and interfaces to Octave, Matlab, Python, R
* Simfit – Simulation, curve fitting, statistics, and plotting
* SOCR
* SOFA Statistics – a desktop GUI program focused on ease of use, learn as you go, and beautiful output.
* Statistical Lab – R-based and focusing on educational purposes
* Weka is also a suite of machine learning software written at the University of Waikato.
* Xlisp-stat

**Public domain:**

* CSPro
* Epi Info
* X-12-ARIMA

**Freeware:**

* BV4.1
* GeoDA
* IDAMS/WinIDAMS
* MINUIT
* WinBUGS – Bayesian analysis using Markov chain Monte Carlo methods
* Winpepi – package of statistical programs for epidemiologists

**Proprietary:**

* Analytica - visual analytics and statistics package
* Angoss - products KnowledgeSEEKER and KnowledgeSTUDIO incorporate a variety of data mining algorithms
* ASReml – for restricted maximum likelihood analyses
* BMDP – general statistics package
* CalEst – general statistics and probability package with didactic tutorials
* Data Applied – for building statistical models
* EViews – for econometric analysis
* EasySample – easy to use statistical sampling tool supporting attribute, discovery and variables sampling with related tools
* FAME – a system for managing time series statistics and time series databases
* GAUSS – programming language for statistics
* Genedata Analyst– software solution for the integration and interpretation of experimental data in the life science R&D
* GenStat – general statistics package
* GLIM – early package for fitting generalized linear models
* GraphPad InStat – Very simple with lots of guidance and explanations
* GraphPad Prism – Biostatistics and nonlinear regression with clear explanations
* IBM SPSS Statistics – comprehensive statistics package
* IBM SPSS Modeler – comprehensive data mining and text analytics workbench
* Izenda - Self-service data analysis over HTML5
* IMSL Numerical Libraries – software library with statistical algorithms
* JMP – visual analysis and statistics package
* LIMDEP - comprehensive statistics and econometrics package
* LISREL – statistics package used in structural equation modeling
* Maple – programming language with statistical features
* Mathematica – programming language with statistical features
* MATLAB – programming language with statistical features
* MedCalc – for biomedical sciences
* Minitab – general statistics package
* MLwiN – multilevel models (free to UK academics)
* NAG Library - comprehensive math and statistics library
* NCSS – general statistics package
* NLOGIT - comprehensive statistics and econometrics package
* NMath Stats – statistical package for .NET Framework
* O-Matrix – programming language
* OriginPro – statistics and graphing, programming access to NAG library
* Partek – general statistics package with specific applications for genomic, HTS, and QSAR data
* Primer-E Primer – environmental and ecological specific.
* PV-WAVE – programming language comprehensive data analysis and visualization with IMSL statistical package
* Quantum – part of the SPSS MR product line, mostly for data validation and tabulation in Marketing and Opinion Research
* RATS – comprehensive econometric analysis package
* SAS – comprehensive statistical package
* SHAZAM – comprehensive econometrics and statistics package
* Simul - econometric tool for multidimensional (multi-sectoral, multi-regional) modelling
* SigmaStat – for group analysis
* SOCR – online tools for teaching statistics and probability theory
* Speakeasy – numerical computational environment and programming language with many statistical and econometric analysis features
* SPSS - Statistical Package for the Social Sciences
* Stata – comprehensive statistics package
* Statgraphics – general statistics package
* STATISTICA – comprehensive statistics package
* StatXact – package for exact nonparametric and parametric statistics
* Systat – general statistics package
* S-PLUS – general statistics package
* Unistat – general statistics package that can also work as Excel add-in
* The Unscrambler (free-to-try commercial Multivariate analysis software for Windows)
* World Programming System (WPS) - statistical package that supports the SAS language
* XploRe

**Add-ons:**

* Analyse-it – add-on to Microsoft Excel for statistical analysis
* NumXL – add-on to Microsoft Excel for general statistics and Econometrics
* SigmaXL – add-on to Microsoft Excel for statistical and graphical analysis
* SPC XL – add-on to Microsoft Excel for general statistics
* Stats Helper – add-on to Microsoft Excel for descriptive statistics and Six Sigma
* SUDAAN – add-on to SAS and SPSS for statistical surveys
* XLfit add-on to Microsoft Excel for curve fitting and statistical analysis