

Third Party Products for GAUSS™/GAUSS Engine™

GAUSSX

GaussX combines a full-featured set of professional econometric routines, written in GAUSS with a GUI interface in one software package. Features include linear and non-linear estimation, time series analysis, simulation and testing. The GAUSS source is included, and thus econometric routines can be extracted and incorporated in standalone GAUSS programs.
WINDOWS 32-BIT/UNIX



MERCURY/ MERCURY GE

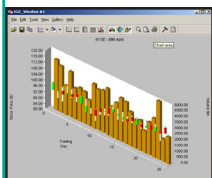
Interface Tools for GAUSS /GAUSS Engine

MERCURY consists of a set of functions that enable programmers to interact with GAUSS or the GAUSS Engine as part of an external application. These functions provide the means of sending data or strings to GAUSS from an external application, running GAUSS code, and returning data or strings from GAUSS back to the external application. Sample examples include C++, Visual Basic, and Excel.
WINDOWS⁽¹⁾

GUI TOOLS

The underlying idea behind GUI Tools is to provide an interactive graphic user interface for GAUSS for Windows. GUI Tools allows the programmer to have the end user respond to a graphic-based dialog, along with standard Windows controls, using both keyboard and mouse. GUI Reader is freely available.
WINDOWS

INTERACTIVE GRAPHIX: Graphic Tools for GAUSS



Interactive GraphiX is a graphics package specifically designed to work with GAUSS for Windows. IGX provides control over a

GAUSS™

graphic environment while the graph is displayed, either interactively through menus using the mouse and keyboard or through the use of GAUSS commands. A very rich set of graphic features are provided. Output can be saved in a number of popular formats, and image processing tools are provided.
WINDOWS⁽¹⁾

LIKPAK

LikPak provides a set of GAUSS likelihood procedures that are commonly used in econometrics and show, by example, how a model can be parameterized using these likelihoods. LikPak is the perfect companion to an optimization package such as MaxLik, MaxLikMT, or CMLMT.
WINDOWS/UNIX

SYMBOLIC TOOLS/ SYMBOLIC TOOLS GE

Symbolic Tools augments the numeric and graphical capabilities of GAUSS/ GAUSS Engine with additional mathematical functionality based on symbolic computations, including automatic differentiation, symbolic algebra, exact linear algebra, language extension, and user-defined precision. The computational work is carried out by the Maple kernel. (Requires Maple 9 or higher.)
WINDOWS⁽¹⁾

By: Econotron Software, Inc.

⁽¹⁾Download free evaluation copy from www.econotron.com

APTECH SYSTEMS, INC.

COINT: Co-Integrated Systems

A suite of econometric software for GAUSS users with a special focus on nonstationary time series, unit roots, cointegration and modern model selection methods for economists, econometricians, statisticians, engineers, forecasters and other users of time series methods.

WINDOWS/UNIX

By: Sam Ouliaris and Peter C.B. Phillips

TSM: Time Series/ Wavelets for Finance

TSM is a GAUSS library for Time Series Modeling. It contains procedures for the analysis and estimation of ARMA, Vector ARMA, and VARX processes, state space models, fractional process, structural models and spectral analysis. The estimation procedures for these models permit the placing of linear constraints. Requires Aptech's Optimization application.

WINDOWS

By: Ritme Informatique

SIMGAUSS Nonlinear Simulation

A fully interactive nonlinear simulation module written in GAUSS. SimGauss provides a fast and easy way to simulate nonlinear differential equations and state-space systems, such as vehicle dynamics, biological systems and economic models. The module features extensive user control. Comprehensive documentation and online help complete the package.

WINDOWS/UNIX

By: Forward Software

Econometrics: GaussX, COINT, TSM, SSATS, Symbolic Tools

Financial: COINT, TSM, SSATS, Symbolic Tools

Engineering/Physics:

GAUSSX, SimGauss, Symbolic Tools

Social Sciences: GAUSSX, SSATS, Symbolic Tools

Statistics: TSM

General: GENO, Stat/Transfer, IGX, Mercury/Mercury GE, LikPak

GENO: General Evolutionary Numerical Optimizer

GENO is a numerical optimizer with exceptionally wide application. It may be used to solve uni- or multi-objective optimization problems: the problem may be static or dynamic, linear or nonlinear, unconstrained or constrained (by equations or inequalities); in addition, any combination of the variables may assume real or discrete values.

WINDOWS/UNIX

By: Ike's Research Ltd.

STAT/TRANSFER

Stat/Transfer allows the quick and accurate transfer of data between GAUSS and a variety of other programs, including Access, ASCII, dBASE, Excel, Matlab, ODBC databases, SAS, S-Plus, SPSS, Stata, Statistica, and more. It can be run from a comprehensive menu system or in batch mode.

WINDOWS/UNIX

By: Circle Systems, Inc.

SSATS: State Space Aoki Time Series

SSATS contains 19 procedures designed to allow easy implementation of multivariate state space time series models. Separate procedures find optimal model specification (choice of two methods), estimate model parameters, produce in-sample and out-of-sample forecasts, compute summary statistics, provide diagnostic tools, and more. Model specification and forecast evaluation procedures can be used with all classes of time series models.

WINDOWS/UNIX

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