



## STATA 12 HAS MANY NEW FEATURES. HERE ARE JUST A FEW:

- ◆ **STRUCTURAL EQUATION MODELING (SEM)** This is a complete implementation of SEM. A separate Structural Equation Modeling Reference Manual is also now available. Stata 12 includes path diagrams, standardized and unstandardized estimates, modification indices, direct and indirect effects, score tests, Wald tests, factor scores and other predictions, goodness of fit, estimation with groups and tests of invariance, seemingly unrelated regression (SUR), instrumental variables, FIML and LIML estimation of simultaneous equations, maximum likelihood estimation, GMM estimation, clustered data, survey data, missing at random (MAR) data. All has been implemented for big datasets and for big models.
  - ◆ **CONTRASTS AND PAIRWISE COMPARISONS** Capabilities include linear and nonlinear models, comparison of means, intercepts, or slopes, comparison of adjacent categories, comparison with reference category, comparison with grand mean, treatment effects, orthogonal polynomials, adjustments for multiple comparisons, and graphs. The contrast and pwcompare commands are available after estimation commands that allow factor variables, which means almost every estimation command in Stata.
  - ◆ **MULTIPLE IMPUTATION** Many new additions have been made to Stata's multiple imputation capabilities. New features include chained equations, imputation of continuous, ordinal, cardinal, and count variables, conditional imputation, imputation separately within groups, support for panel data and multilevel models, and linear and nonlinear predictions.
  - ◆ **TIME SERIES** New features include the following:
    - Multivariate GARCH, including constant conditional correlations, dynamic conditional correlations, varying conditional correlations, level predictions, variance predictions, and dynamic forecasts.
    - ARFIMA, featuring long memory processes, predictions, fractional integration predictions, and dynamic forecasts.
    - UCM -- unobserved-components models -- including trend, seasonal, and cyclical components, prediction of components, and dynamic forecasts.
    - Spectral density with parametric estimates after ARIMA, ARFIMA, and UCM.
    - Time-series filters, including Christiano-Fitzgerald, Baxter-
  - King band-pass filters, Hodrick-Prescott high-pass filters, and Butterworth high-pass filters.
  - Business calendars. Users can define their own calendars so that dates display correctly and lags and leads work as they should. For instance, a user might create a file that recorded the days the London Stock Exchange is open. Supposing this file was named lse.stbcal, Stata would then understand the format %tblse, just as it understands the usual date format %td.
  - ◆ **CONTOUR PLOTS, INCLUDING BOTH FILLED AND OUTLINED PLOTS.**
  - ◆ **MULTILEVEL/MIXED MODELS.** Estimation with complex survey data is now possible with xtmixed, including multilevel sampling weights and robust variance estimators. This puts Stata at the forefront of handling survey data in linear mixed models.
  - ◆ **ROC ANALYSIS CAPABILITIES HAVE BEEN GREATLY EXPANDED.** ROC is documented in the Base Reference Manual. New features include ROC adjusted for covariates, which is to say, you can model sensitivity and specificity of a diagnostic test to take into account prognostic factors such as age and gender. You can also easily graph the estimated ROC curves that result from these models.
  - ◆ New commands import excel and export excel read and write worksheets from Microsoft Excel files, .xls and .xlsx. And, there is a new Import Preview tool which lets you see the file's contents and adjust import settings before you import the data. Support for importing EBCDIC files has also been added
  - ◆ **PDF EXPORT OF RESULTS AND GRAPHS**
  - ◆ **INTERFACE ENHANCEMENTS** Stata's interface has many new features and enhancements. The screen layout has been redesigned to better fit wide screens. There is a new Properties window which lets you manage your variables, including their names, labels, value labels, notes, formats, and storage types.
- The Data Editor also has a new Properties window; an additional tool that lets you Hide, Show, Filter, and Reorder the variables; and the new Clipboard Preview tool lets you see and prepare your raw data before pasting.



## STATA 12 WILL BE AVAILABLE FROM THE 25 JULY 2011

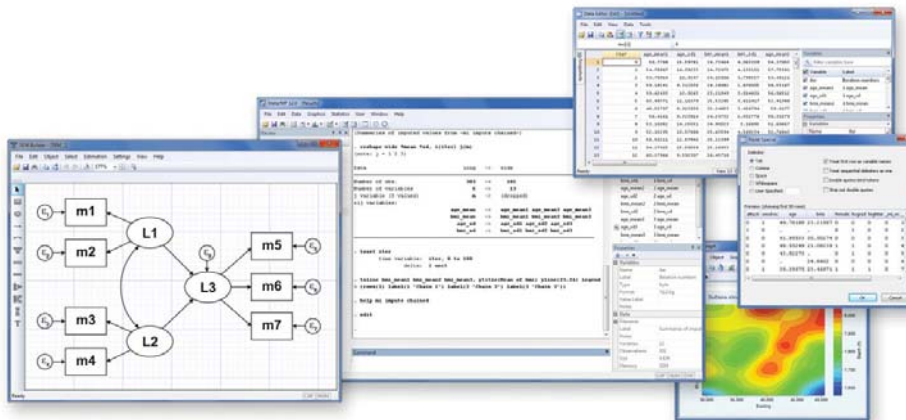
The Data Editor also has a new Properties window; has another tool that lets you Hide, Show, Filter, and Re-order the variables; and the new Clipboard Preview tool lets you see and prepare your raw data before pasting.

The Review and Variables windows support filtering (searching), and you can now also search in the Results window.

- ◆ **AUTOMATIC MEMORY MANAGEMENT** Stata 12 automatically adjusts its memory usage up and down according to current requirements.

- ◆ **IMPROVED HELP FILES** In Stata 12, the Viewer shows help files with pulldown menus for the dialog box, the Also See entries, and a "Jump to" pulldown that includes each of the main sections in the help file enables users to quickly locate the information that they require. For example, a user can click on "Examples" in the Jump to pulldown to go directly to the examples for the command.

Many additional features, in addition to those outlined above, have been incorporated into Stata 12 including: improvements to the Stata interface, Data-Editor, Do-file Editor, additional parallelized commands and speed ups in Stata/MP versions.



## STATA 12 IS AVAILABLE FOR THE FOLLOWING PLATFORMS

### STATA FOR WINDOWS

- Windows 7 \*
- Windows Vista \*
- Windows XP Pro/Home \*
- Windows Server 2008 \*
- Windows Server 2003 \*
- Windows 2000 Pro/Server \*

\* 32-bit and 64-bit Windows varieties for x86 and x86-64

### STATA FOR MAC

- 32-bit Stata for any Mac running Mac OS X 10.5 or later (Universal binary for all processors including Intel and Power PC.)
- 64-bit Stata requires Intel-based Mac with a 64-bit processor and Mac OS X 10.5 or later

### STATA FOR UNIX

- **Linux**  
Any 32-bit (x86 or compatible)
- **Oracle Solaris**  
Any 64-bit SPARC or compatible running Solaris 9 or higher  
64-bit x86-64 Solaris version is also available

### HARDWARE REQUIREMENTS

- Minimum of 512 MB of RAM
- Minimum of 500 MB of disk space



Prodotto da:



Distribuito in Esclusiva per l'Italia

TStat S.r.l.

Via Rettangolo 12/14, 67039 Sulmona (AQ)

Tel. 0864 210101 Fax 0864 206014

Sito [www.tstat.it](http://www.tstat.it) - email [tstat@tstat.it](mailto:tstat@tstat.it)

