

Econometría I (EC402)-II semestre de 2013

Clase #10 - Introducción al uso de Gretl



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Qué es Gretl?

- Gretl is an acronym for Gnu Regression, Econometrics and Time-series Library. It is a software package for doing econometrics that is easy to use and powerful. It features a very user-friendly interface that makes it snap to use in classroom. Its exhibility, extensibility, and accuracy make it well-suited for research as well.
- Gretl comes with many sample data files and its internet capabilities give you access to several very useful databases served by Wake Forest University.

Installing Gretl

- To install gretl on your system, you will need to download the appropriate executable file for the computer platform you are using. For Microsoft Windows users the appropriate site is <http://gretl.sourceforge.net/win32/>.
- Data: <http://www.learneconometrics.com/gretl/POE4data.exe>.

Gretl Basics

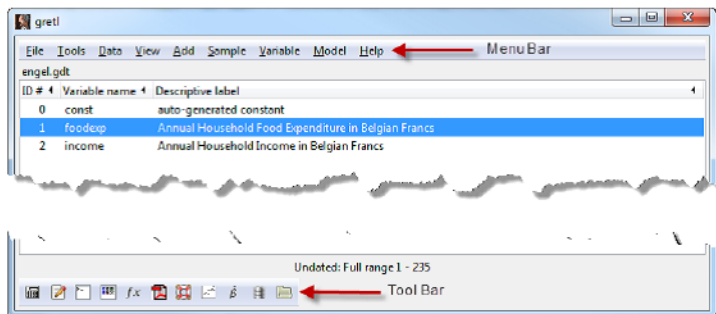
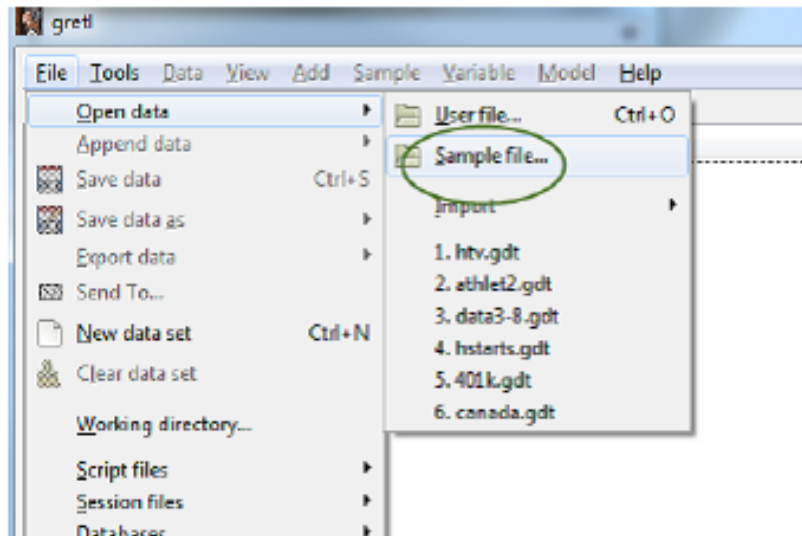
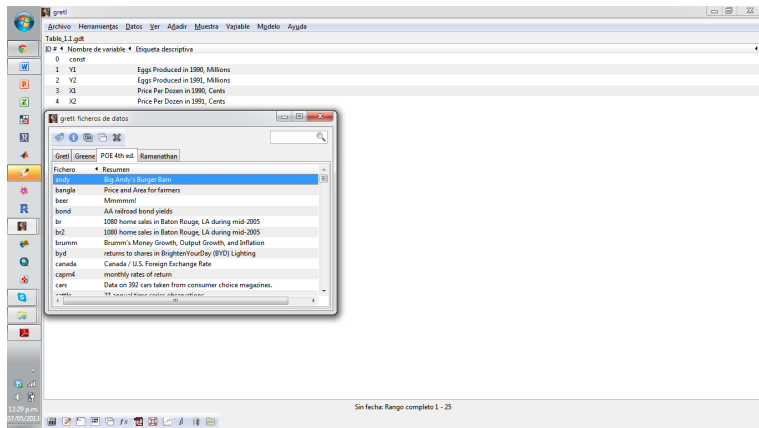


Figure 1.3: The main window for **gretl**'s GUI

Gretl Basics



Gretl Basics

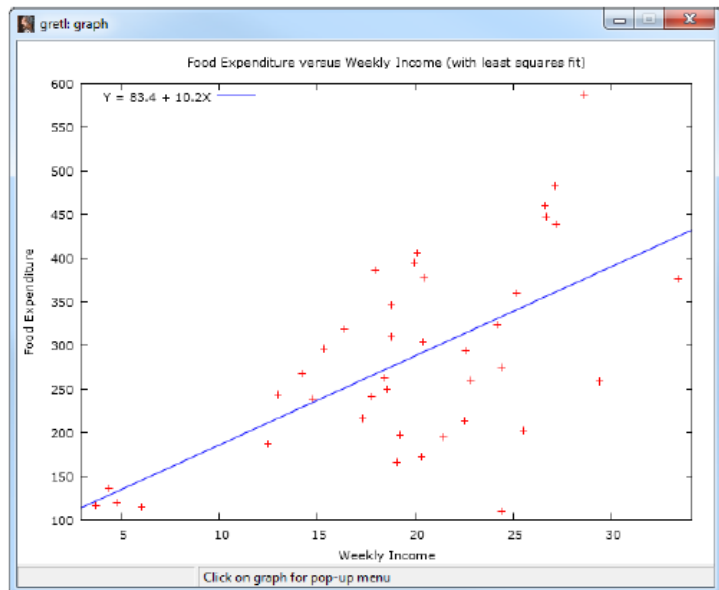


Example: Estimate the Food Expenditure Relationship

The last step is to load the food expenditure and income data into gretl. The data file is included in your gretl sample files-provided that you have installed the Principles of Econometrics data supplement that is available from our website

$$foodexp_t = \beta_1 + \beta_2 income_t + e_t \quad t = 1, 2, \dots, T$$

Graph the Data



MCO estimation

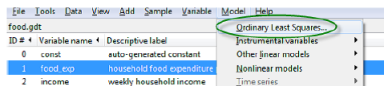


Figure 2.6: From the menu bar, select Model>Ordinary Least Squares to open the least squares dialog box

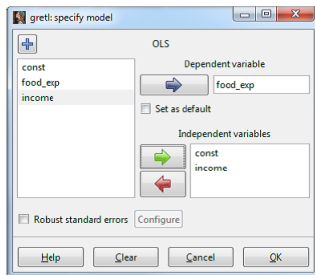


Figure 2.7: The Specify Model dialog box opens when you select Model>Ordinary least squares