

*Eviews Guide*Lab Guideline for Econ 371 Students

1. How to Logon and start Eviews:**S** *tep 1: Logon:*

Press "Enter" key and fill-in the requested access account ID and passwords using both keyboard and mouse.

If you don't have a computer account at UVA yet, you need to contact computer center account office to get one.

S *tep 2: Starting Eviews:*

Click the "Start" button (on the bottom left of the screen). From the list, select "Courseware" From the new list, select "Eviews 3.0 (Econ)" Finally, click the "Eviews 3.0" Icon.

2. How to Run the Eviews Program.

(Note: Eviews (unlike SAS) is mainly a Menu Driven program. That is, to input data, and perform "Procedures" you use the options provided in the toolbars.)

S *tep 1: Creating a new "Worksheet," and inputting your dataset.*

Before working on any new project in Eviews you have to create a new "Workfile" (an area where you input the data for your analysis, to plot graphs of your data, and to perform statistical analysis of your data. Note: this workspace can be saved to be used at a later date).

Click on "File" in the Menu Bar (on the top line of your screen), choose "New", and select "Workfile" from the list provided. A "Workfile" dialog box will appear. You will have to provide information about your dataset before Eviews will load your data.

Example: The "Mon1.dat" data set that you used for the SAS project.

"Mon1.dat" has 426 observations on 5 variables, and is Monthly data for the dates: 1959:1 to 1994:6. (This information is provided in the "Mon.dat" file that you can read with "Notepad").

In the dialog box, click on "Monthly", then enter the dates 1959:1 (as your "start date") and 1994:6 (as your "end date").

The new sub-window that is created is your "Work-file". Now you can enter your data. Click on the "Procs", from the list select "import", from the new list select "Read text-lotus-excel" (we select this option as Monl.dat is a text file). Then open the Monl.dat dataset on your disk. A new dialog box will appear, again to input information about your data. The only area that you need to input information is in the top left hand corner. Enter 5 names for your 5 columns of data. For example, you can type in the same names as in your SAS program: ml m2 int ip prices. Then click "enter".

Your "workfile" should now have 7 icons: your 5 variables, plus an icon "c" (the constant for any later regressions that you run), and an icon "resid" (the residuals for any later regression).

Step 2: *Viewing your data, plotting your data, and performing statistical analyses.*

i) To view your data, just double-click on the icon of the variable(s) you wish to view. A new sub-window appears with the data in columns.

ii) To plot a single variable: In the workfile, double-click on the icon of the variable. A new subwindow appears. In the new sub-window, click on the "View" button on the top of the new sub-window. Select either "line-graph" or "bar-graph". The plot will then appear.

To add the plot to your workfile for later use: select the "freeze" button on the graph window. A new (identical) graph will appear, in this new graph select "name". Name the plot (any name, except names that are already taken in the workspace), and click "OK". If you close this window and look in your workfile, a new icon for the graph will be there.

You can double-click on this icon at a later date if you wish to format your plot (for example, to add text)

iii) To plot multiple variables: In the workfile, select the variables you wish to plot (holding down shift and single-click on the icons for the variables). Then double-click on any of the icons selected. From the options that appear, select "Open Group". A new sub-window appears. In the new sub-window, click on the "View" button on the top of the new subwindow. Select either "graph" (if you wish to plot all the variables selected on one graph), or "Multiple Graphs" (if you want one graph for each variable). Then in either case, select either "line-graph" or "bar-graph". The plot will then appear.

You can add the plot to your workfile for later use in the same way as part ii).

iv) To perform Statistical Analysis:

Again, in the workfile, select the variable(s) that you wish to analyze.

For a single variable: Double-click the icon for the variable. A new subwindow appears. In the new sub-window, click on the "View" button on the top of the new sub-window. Select "Descriptive Statistics", from the options select "Histogram and Stats". The statistics will then appear. (You can add these statistics to your workfile by naming them as before).

For a multiple variable: Double click the variables that you have selected. Select "Open Group" from the options provided. A new subwindow appears. In the new sub-window, click on the "View" button on the top of the new subwindow. Select "Descriptive Statistics", from the options select either "common sample", or "individual sample". The statistics will then appear. (You can add these statistics to your workfile by naming them as before).

Step 3: *To Run A Regression.*

Select the icons of the variables that you want in your regression, just double-click one of the icons selected. From the options provided, select "Equation". A dialog box appears, you do not have to change any of these options (unless you feel adventurous), so just click OK. The OLS regression output will appear.

Again, you can add this to your workfile by clicking "Freeze" and "Name".