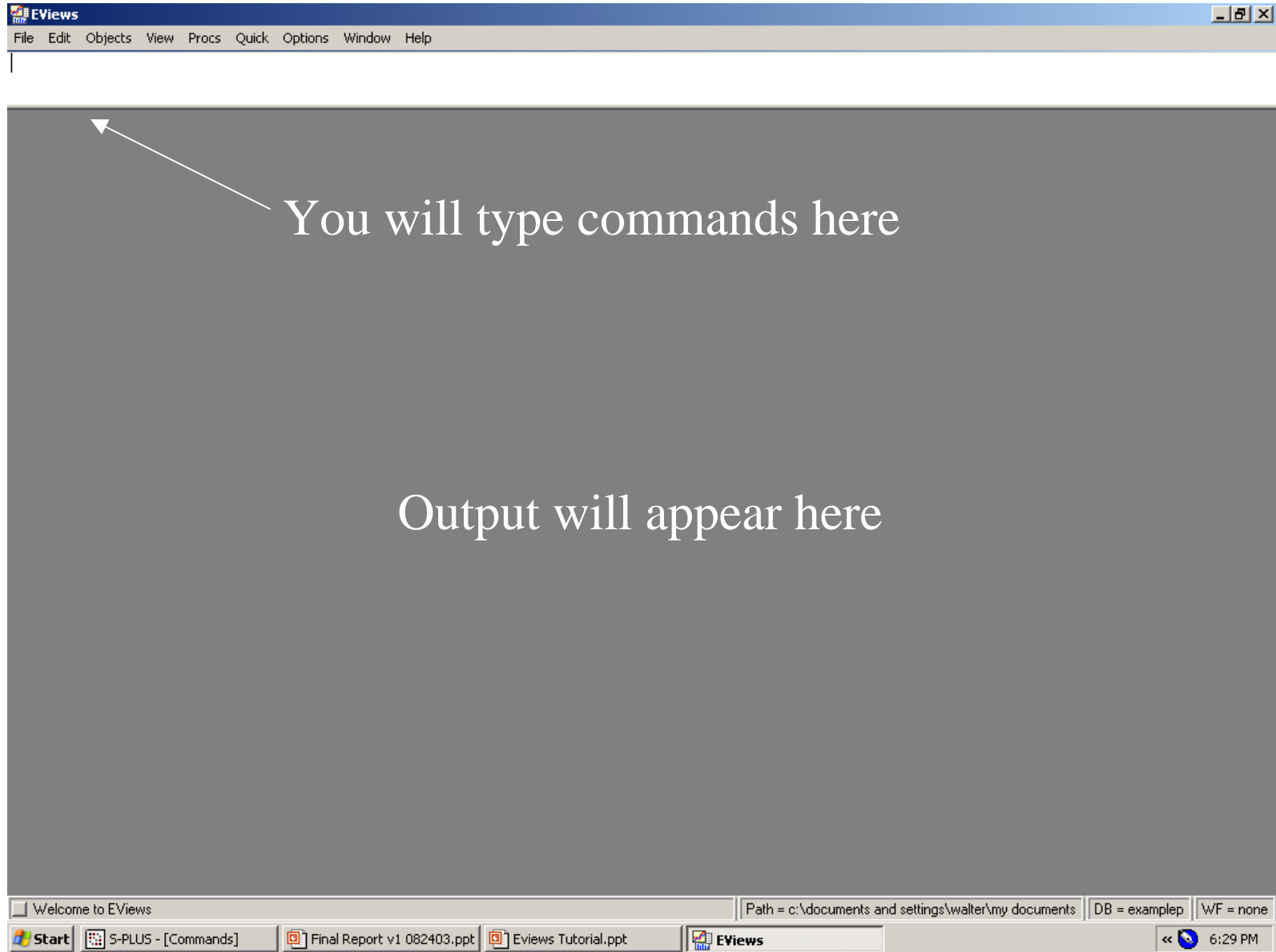


Econometrics 322
Prof. Paczkowski

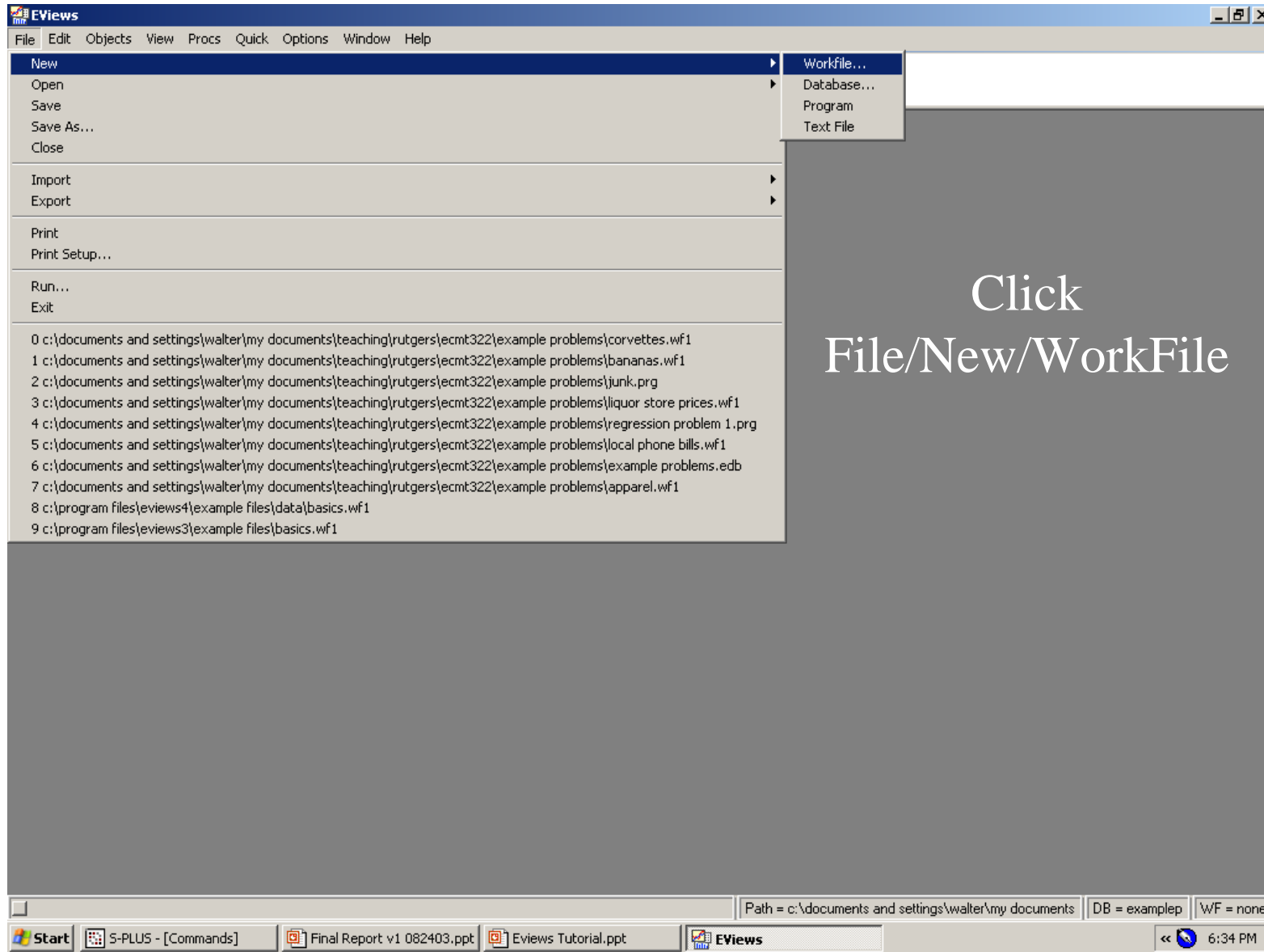
Eviews Tutorial

Spring, 2004

Eviews Blank Screen



Create a Workspace First



Example of Times Series Data

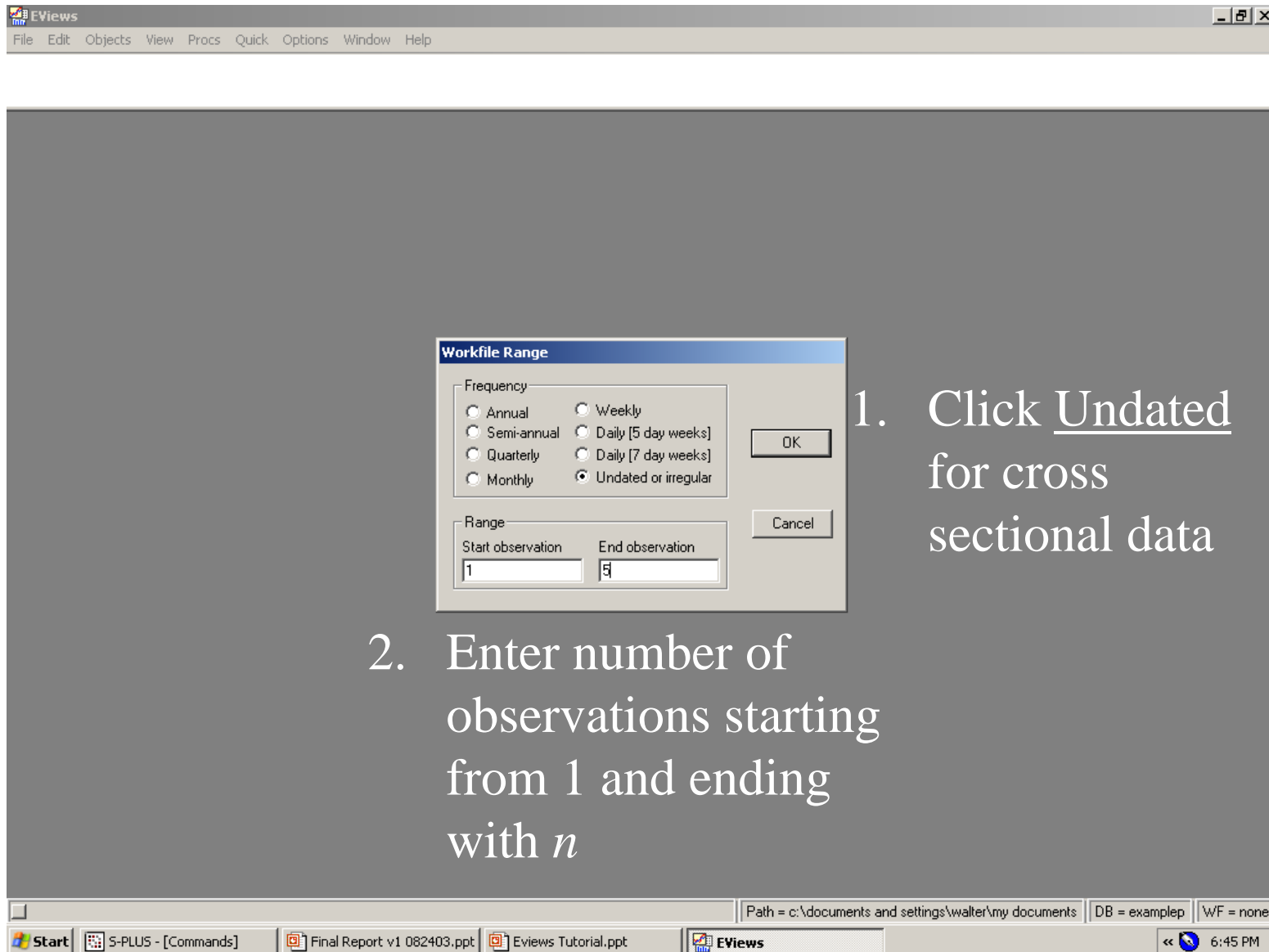
1. Click Annual for annual data

2. Enter the time period

Path = c:\documents and settings\walter\my documents | DB = example | WF = none

Start | 5-PLUS - [Commands] | Final Report v1 082403.ppt | Eviews Tutorial.ppt | EViews | 6:40 PM

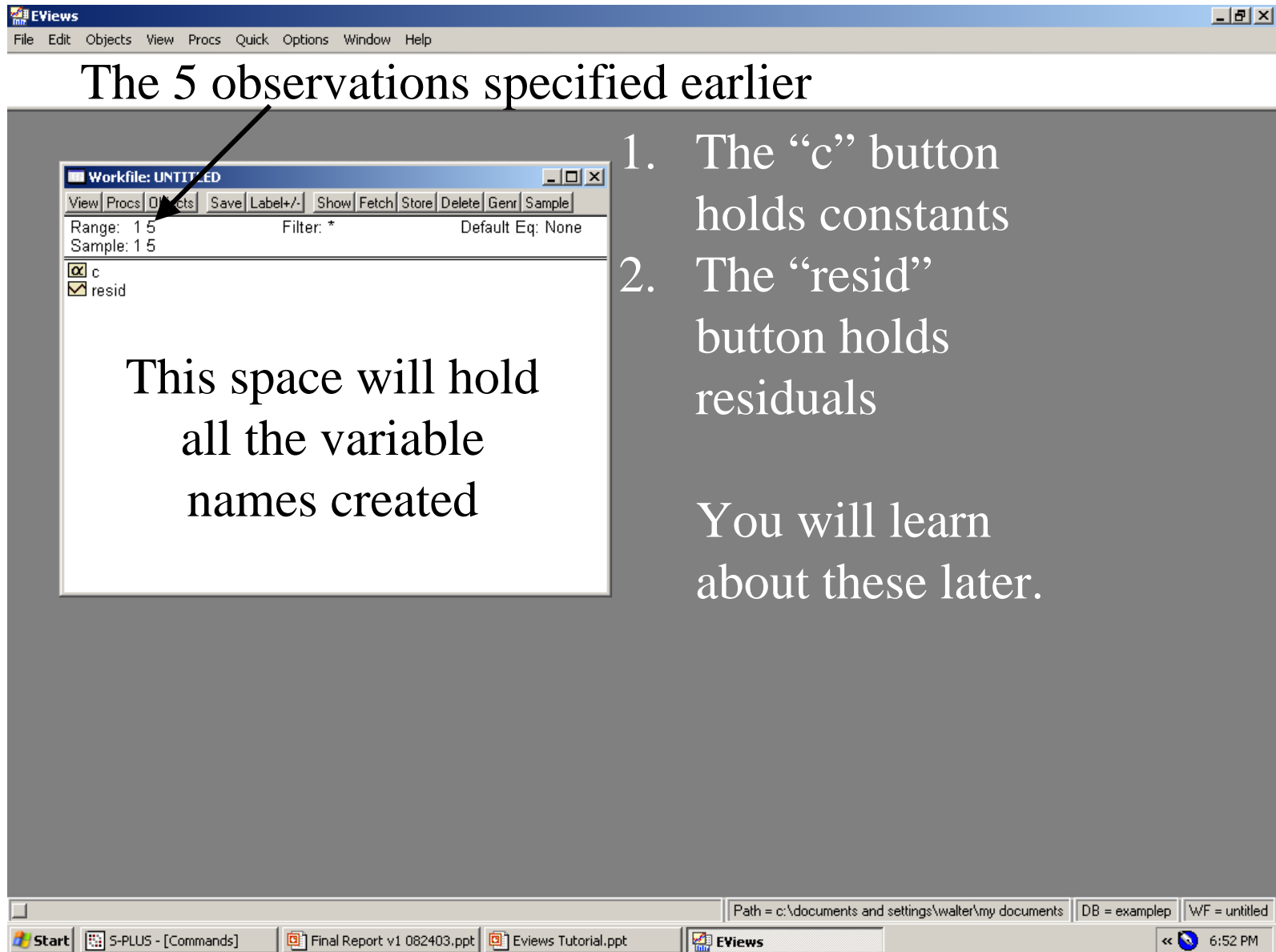
Example of Cross Sectional Data



1. Click Undated for cross sectional data

2. Enter number of observations starting from 1 and ending with n

Eviews automatically creates two buttons



The screenshot shows the EViews software interface. The main window is titled "Workfile: UNTITLED" and contains a menu bar with options: View, Procs, Objects, Save, Label+/-, Show, Fetch, Store, Delete, Genr, Sample. Below the menu bar, it displays "Range: 1 5", "Filter: *", and "Default Eq: None". A list of variables is shown with checkboxes: c and resid. A white box with black text is overlaid on the workfile window, stating "This space will hold all the variable names created". An arrow points from the text "The 5 observations specified earlier" to the "Range: 1 5" field. To the right of the workfile window, there are two numbered list items: "1. The 'c' button holds constants" and "2. The 'resid' button holds residuals". Below these list items, the text "You will learn about these later." is displayed. The Windows taskbar at the bottom shows the Start button, several open applications (S-PLUS - [Commands], Final Report v1 082403.ppt, Eviews Tutorial.ppt), and the EViews application. The system tray shows the time as 6:52 PM.

The 5 observations specified earlier

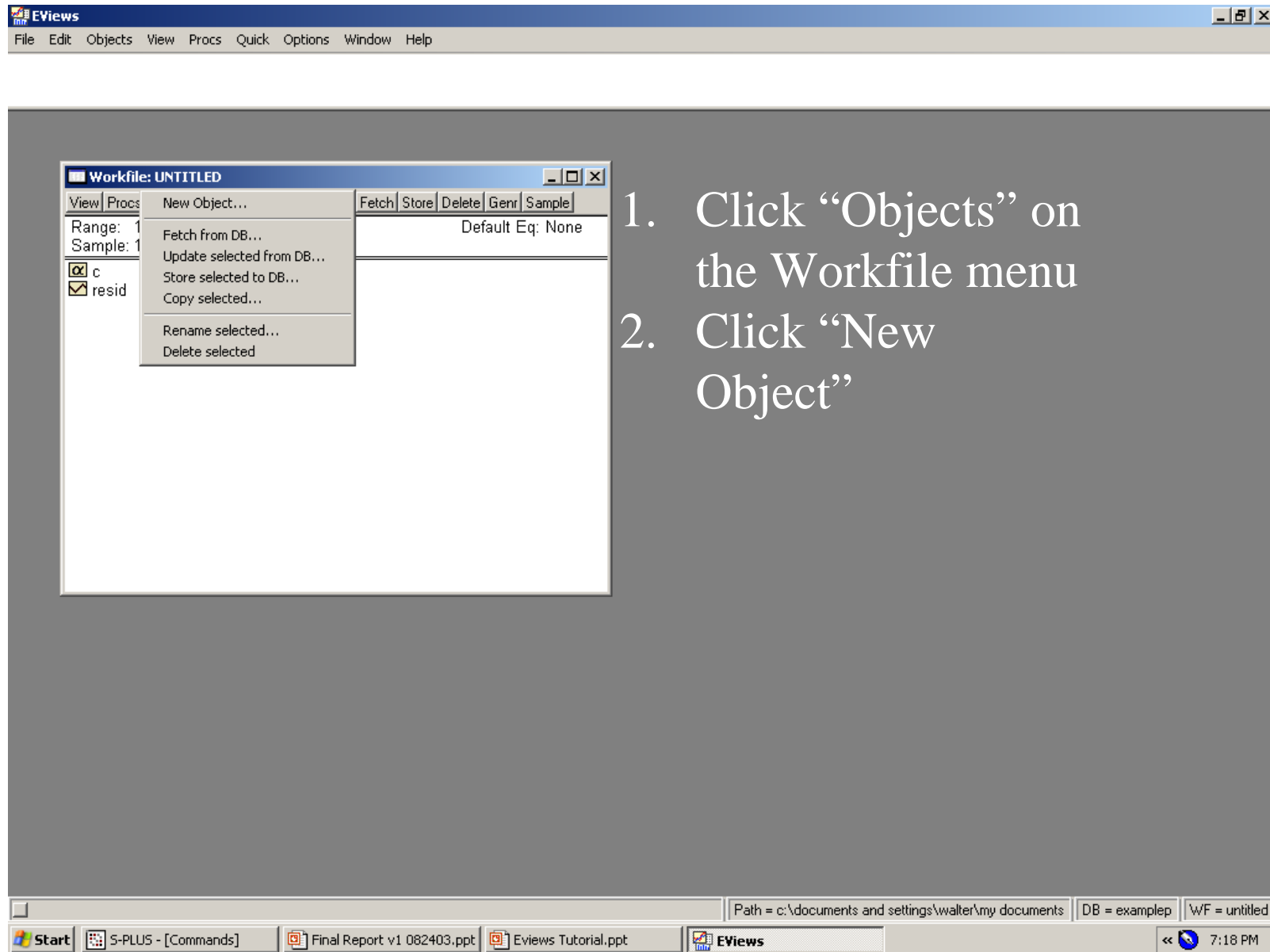
1. The “c” button holds constants

2. The “resid” button holds residuals

This space will hold all the variable names created

You will learn about these later.

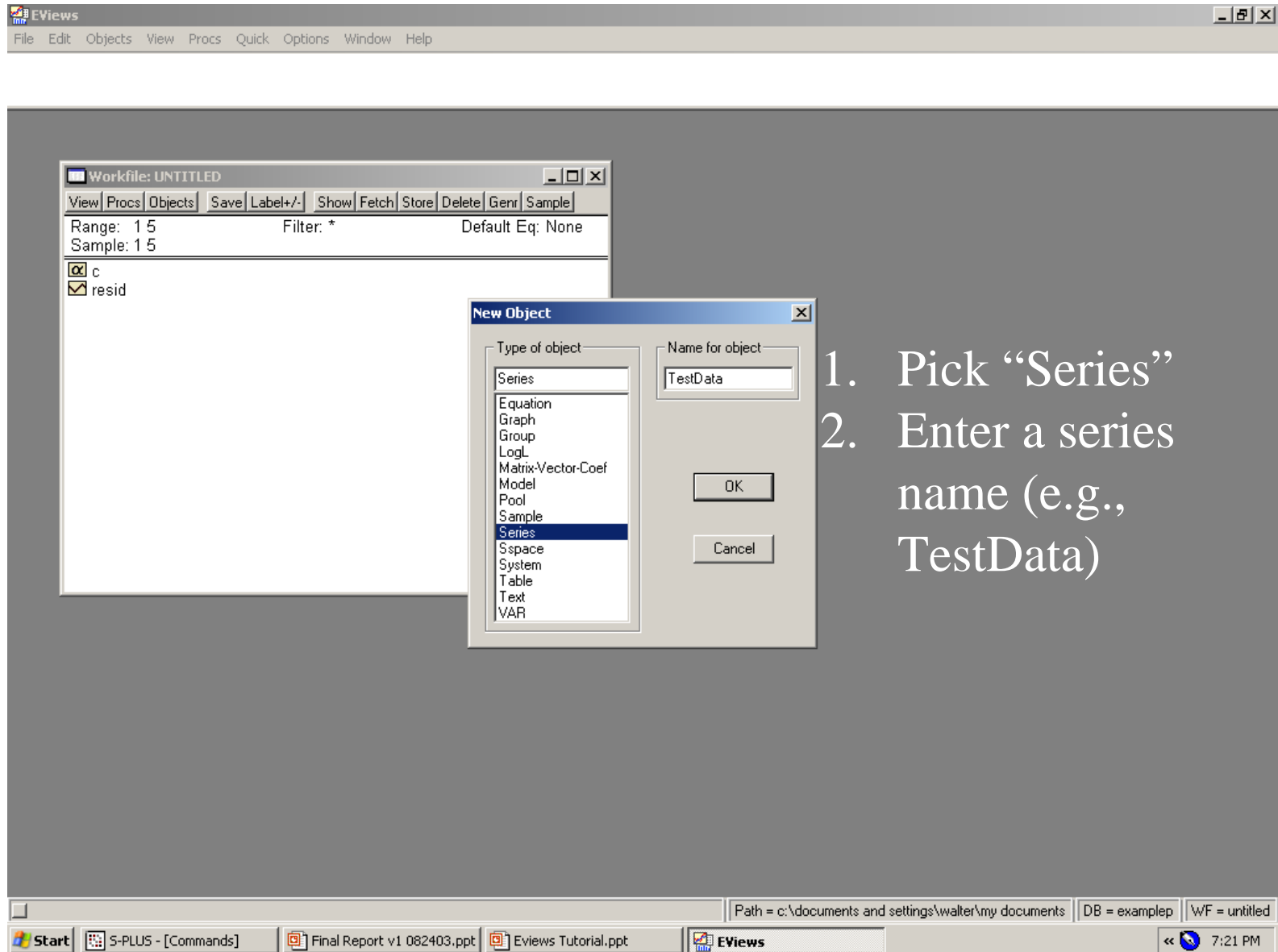
Create a new series with 5 observations



The screenshot shows the EViews software interface. The main window is titled 'Workfile: UNTITLED'. The 'Objects' menu is open, showing the following options: 'New Object...', 'Fetch from DB...', 'Update selected from DB...', 'Store selected to DB...', 'Copy selected...', 'Rename selected...', and 'Delete selected'. The 'New Object...' option is highlighted. The 'Fetch' button is also visible in the menu bar. The status bar at the bottom shows the path 'c:\documents and settings\walter\my documents', the database name 'DB = example', and the workfile name 'WF = untitled'. The taskbar at the bottom shows the Start button, several open applications (S-PLUS - [Commands], Final Report v1 082403.ppt, Eviews Tutorial.ppt), and the EViews application. The system clock shows 7:18 PM.

1. Click “Objects” on the Workfile menu
2. Click “New Object”

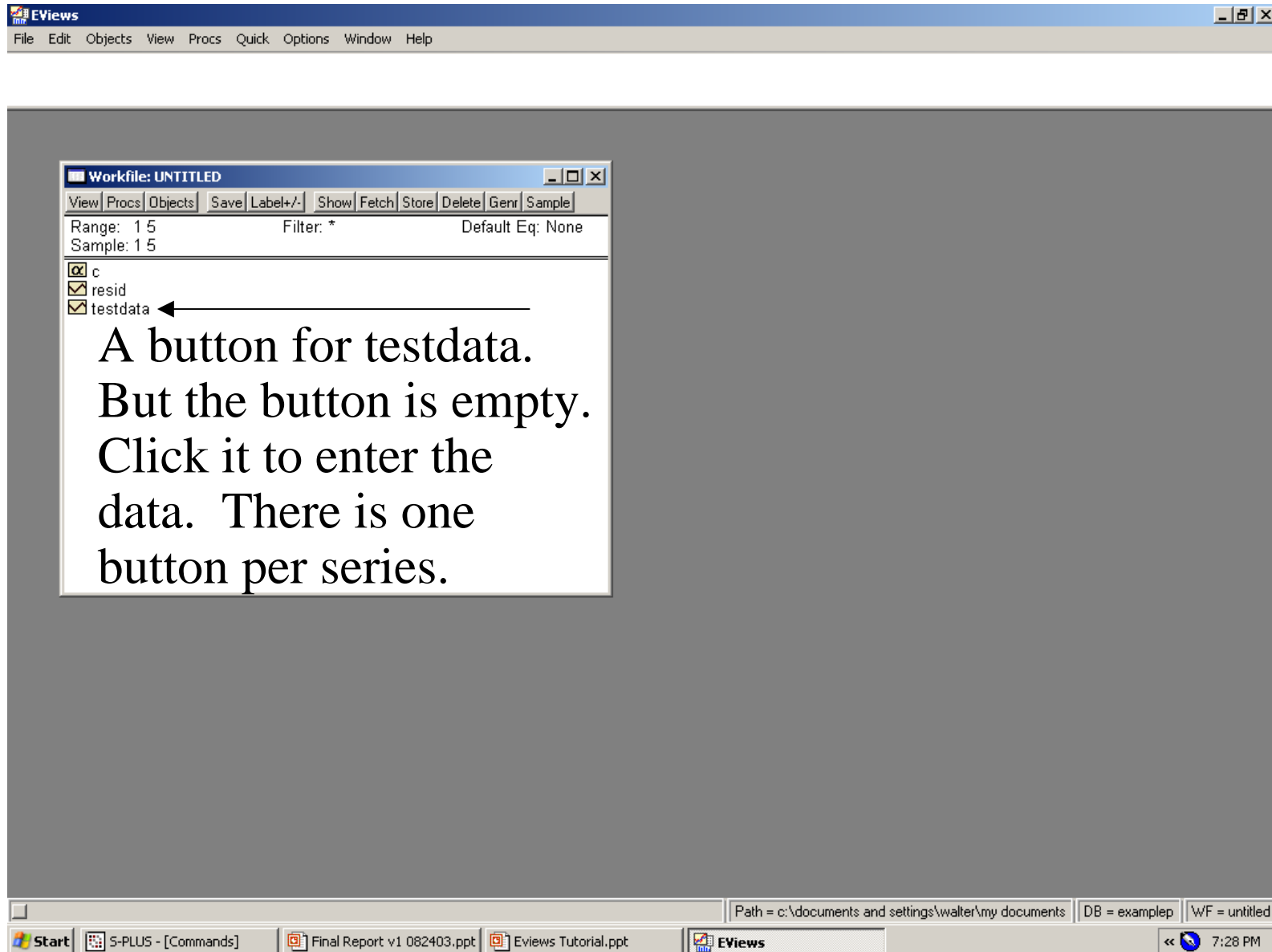
Specify the series name



The screenshot shows the EViews software interface. The main window is titled 'Workfile: UNTITLED' and displays a list of objects: 'c' and 'resid'. A 'New Object' dialog box is open, showing a list of object types. 'Series' is selected in the list, and the 'Name for object' field contains 'TestData'. The 'OK' button is highlighted.

1. Pick "Series"
2. Enter a series name (e.g., TestData)

EViews creates a new button



A spreadsheet for the testdata data

The screenshot displays the EViews software interface. The main window shows a spreadsheet for the series 'TESTDATA'. The spreadsheet has 5 rows of data, all containing 'NA'. A text overlay reads 'Space for the 5 observations specified.' The interface includes a menu bar, a workfile window, and a series window.

Workfile: UNTITLED

View Procs Objects Save Label+/- Show Fetch Store Delete Genr Sample

Range: 1 5 Filter: * Default Eq: None

Sample: 1 5

- c
- resid
- testdata

Series: TESTDATA Workfile: UNTITLED

View Procs Objects Print Name Freeze Transform Edit+/- Smp+/- Label+/- Wide+/- InsDe

TESTDATA

Last updated: 08/27/03 - 19:25

1	NA
2	NA
3	NA
4	NA
5	NA

Space for the 5 observations specified.

Path = c:\documents and settings\walter\my documents DB = examplep WF = untitled

Start S-PLUS - [Commands] Final Report v1.082403.ppt Eviews Tutorial.ppt EViews 7:32 PM

Cutting and pasting from Excel

The image shows a composite screenshot illustrating the process of cutting and pasting data from Microsoft Excel to EViews. The background is a Microsoft Excel window titled "Microsoft Excel - Book1". The active cell is A1, containing the value 10. A range of cells A1:A5 is selected, and a large arrow points to this selection with the text "1. Copy".

In the foreground, an EViews window titled "Workfile: UNTITLED" is open. The "Series: JUNK" window is also open, showing a list of series including "junk" and "resid". A large arrow points to the "JUNK" series window with the text "2. Paste". The "JUNK" series window displays a table of data:

	JUNK
1	10.000000
2	9.000000
3	8.000000
4	7.000000
5	6.000000

The EViews window also shows a status bar at the bottom with the path "c:\documents and settings\walter\my documents | DB = examplep | WF = untitle".

View the data

The screenshot shows the EViews software interface. The main window is titled 'Workfile: UNTITLED' and contains a list of series: 'c', 'resid', and 'testdata'. The 'testdata' series is selected. A context menu is open over the 'testdata' series, showing the following options: 'SpreadSheet', 'Graph', 'Descriptive Statistics', 'Tests for Descriptive Stats', 'Distribution', 'One-Way Tabulation...', 'Correlogram...', 'Unit Root Test...', 'BDS Independence Test...', 'Conversion Options...', and 'Label'. The 'Descriptive Statistics' option is expanded, showing a sub-menu with 'Histogram and Stats', 'Stats Table', and 'Stats by Classification...'. The 'Stats Table' option is selected. The bottom of the screenshot shows the Windows taskbar with the Start button, several open applications (S-PLUS, Final Report, Eviews Tutorial), and the system clock showing 7:42 PM.

To view stats on the data:

1. Click “View”
2. Select “Descriptive Statistics”
3. Select “Stats Table”

A Statistics View

2

1. Use a button to select another view

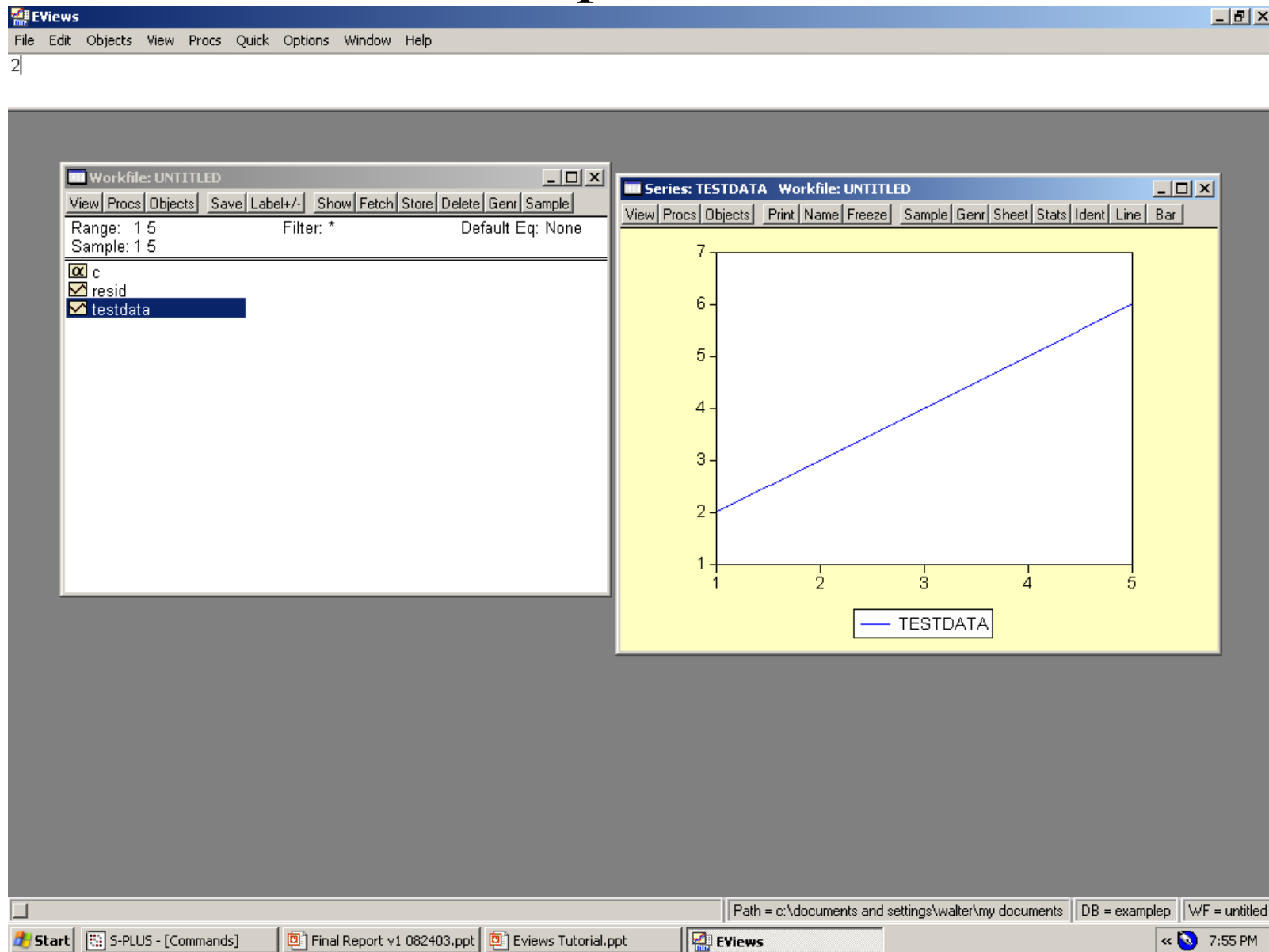
	TESTDATA				
Mean	4.000000				
Median	4.000000				
Maximum	6.000000				
Minimum	2.000000				
Std. Dev.	1.581139				
Skewness	0.000000				
Kurtosis	1.700000				
Jarque-Bera	0.352083				
Probability	0.838683				
Sum	20.00000				
Sum Sq. Dev.	10.00000				
Observations	5				

2. Select “View” again to return to the spreadsheet or open another view (e.g., graphs).

Path = c:\documents and settings\walter\my documents | DB = examplep | WF = untitled

Start | S-PLUS - [Commands] | Final Report v1 082403.ppt | Eviews Tutorial.ppt | EViews | 7:43 PM

Graph View



Click any part of the graph for options

The screenshot displays the EViews software interface. At the top, the menu bar includes File, Edit, Objects, View, Procs, Quick, Options, Window, and Help. Below the menu bar, the 'Workfile: UNTITLED' window shows a range of 1 to 5 and a sample of 15. The 'Series: TESTDATA' window displays a line graph with a yellow background. The graph has a vertical axis from 1 to 7 and a horizontal axis from 1 to 5. A blue line starts at (1, 2) and ends at (5, 6). A legend at the bottom of the graph shows a blue line segment next to the label 'TESTDATA'. The 'Graph Options' dialog box is open, showing the 'Lines & Symbols' tab. The 'Line attributes' section is selected, and the 'Line only' radio button is chosen. The 'Color' dropdown is set to blue. The 'Line pattern' dropdown is set to a solid line. The 'Line/Symbol width' dropdown is set to 3/4 pt. The 'Symbol pattern' dropdown is set to a solid line. The 'Undo Edits' button is visible at the bottom of the dialog. The taskbar at the bottom shows the Start button, several open applications, and the system clock at 7:56 PM.

Workfile: UNTITLED
View Procs Objects Save Label+/: Show Fetch Store Delete Genr Sample
Range: 1 5 Filter: * Default Eq: None
Sample: 1 5
 c
 resid
 testdata

Series: TESTDATA Workfile: UNTITLED
View Procs Objects Print Name Freeze Sample Genr Sheet Stats Ident Line Bar

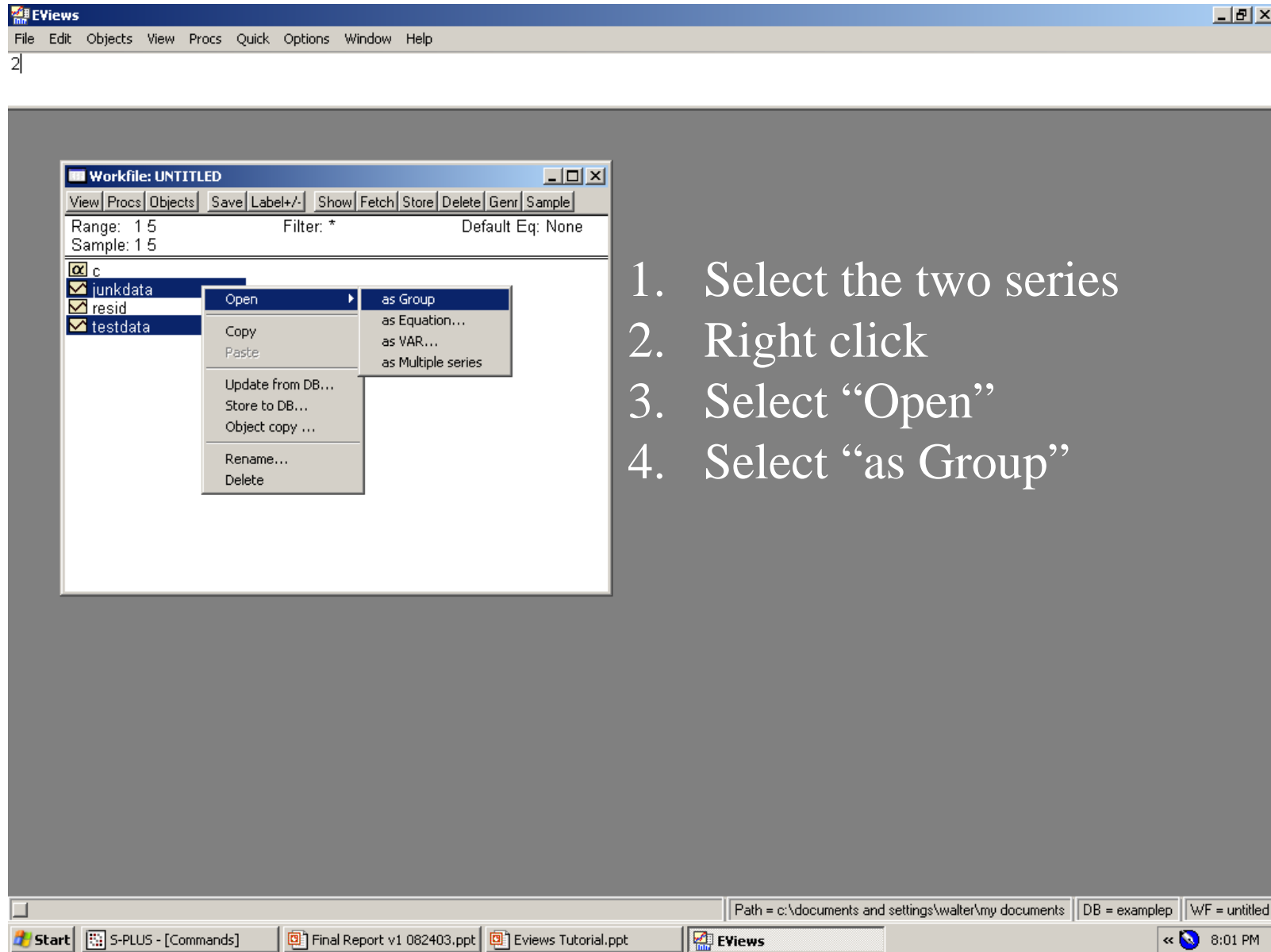
Graph Options
Type General Axes & Scaling Legend Lines & Symbols Bars & Pies

Pattern use
 Auto choice:
Color - Solid
B&W - Pattern
 Solid always
 Pattern always

Line attributes
 Line only
 Symbol only
 Line & Symbol
Color
Line pattern
Line/Symbol width
3/4 pt
Symbol pattern
#1 TESTDATA
Undo Edits
OK Cancel Apply

Path = c:\documents and settings\walter\my documents DB = examplep WF = untitled
Start S-PLUS - [Commands] Final Report v1 082403.ppt Eviews Tutorial.ppt EViews 7:56 PM

Viewing two or more series



The screenshot shows the EViews software interface. The main window is titled "Workfile: UNTITLED" and contains a list of series: "c", "junkdata", "resid", and "testdata". The series "junkdata", "resid", and "testdata" are selected. A context menu is open over the selected series, with the "Open" option selected. The "Open" submenu is also open, showing options: "as Group", "as Equation...", "as VAR...", and "as Multiple series".

2]

1. Select the two series
2. Right click
3. Select "Open"
4. Select "as Group"

Path = c:\documents and settings\walter\my documents | DB = examplep | WF = untitled

Start | S-PLUS - [Commands] | Final Report v1 082403.ppt | Eviews Tutorial.ppt | EViews | 8:01 PM

Viewing two series

The screenshot shows the EViews software interface. The main window is titled "Workfile: UNTITLED" and contains a list of objects: c, junkdata, resid, and testdata. A secondary window, titled "Group: UNTITLED Workfile: UNTITLED", is open, displaying a table with two columns: JUNKDATA and TESTDATA. The table contains five rows of data, with the first row highlighted. The data values are as follows:

obs	JUNKDATA	TESTDATA
1	9.000000	2.000000
2	8.000000	3.000000
3	7.000000	4.000000
4	6.000000	5.000000
5	5.000000	6.000000


Click "View" button as before

Stats on the group

The screenshot displays the EViews software interface. At the top, the menu bar includes File, Edit, Objects, View, Procs, Quick, Options, Window, and Help. Below the menu bar, the text '2' is visible. The main workspace contains two windows. The first window, titled 'Workfile: UNTITLED', shows a list of objects: c, junkdata, resid, and testdata. The second window, titled 'Group: UNTITLED Workfile: UNTITLED', displays a table of statistical results for the variables JUNKDATA and TESTDATA. The table includes measures such as Mean, Median, Maximum, Minimum, Std. Dev., Skewness, Kurtosis, Jarque-Bera, Probability, Sum, Sum Sq. Dev., and Observations. The status bar at the bottom indicates the current path, database name, and workfile name, along with the system clock showing 8:06 PM.

	JUNKDATA	TESTDATA
Mean	7.000000	4.000000
Median	7.000000	4.000000
Maximum	9.000000	6.000000
Minimum	5.000000	2.000000
Std. Dev.	1.581139	1.581139
Skewness	0.000000	0.000000
Kurtosis	1.700000	1.700000
Jarque-Bera	0.352083	0.352083
Probability	0.838583	0.838583
Sum	35.00000	20.00000
Sum Sq. Dev.	10.00000	10.00000
Observations	5	5

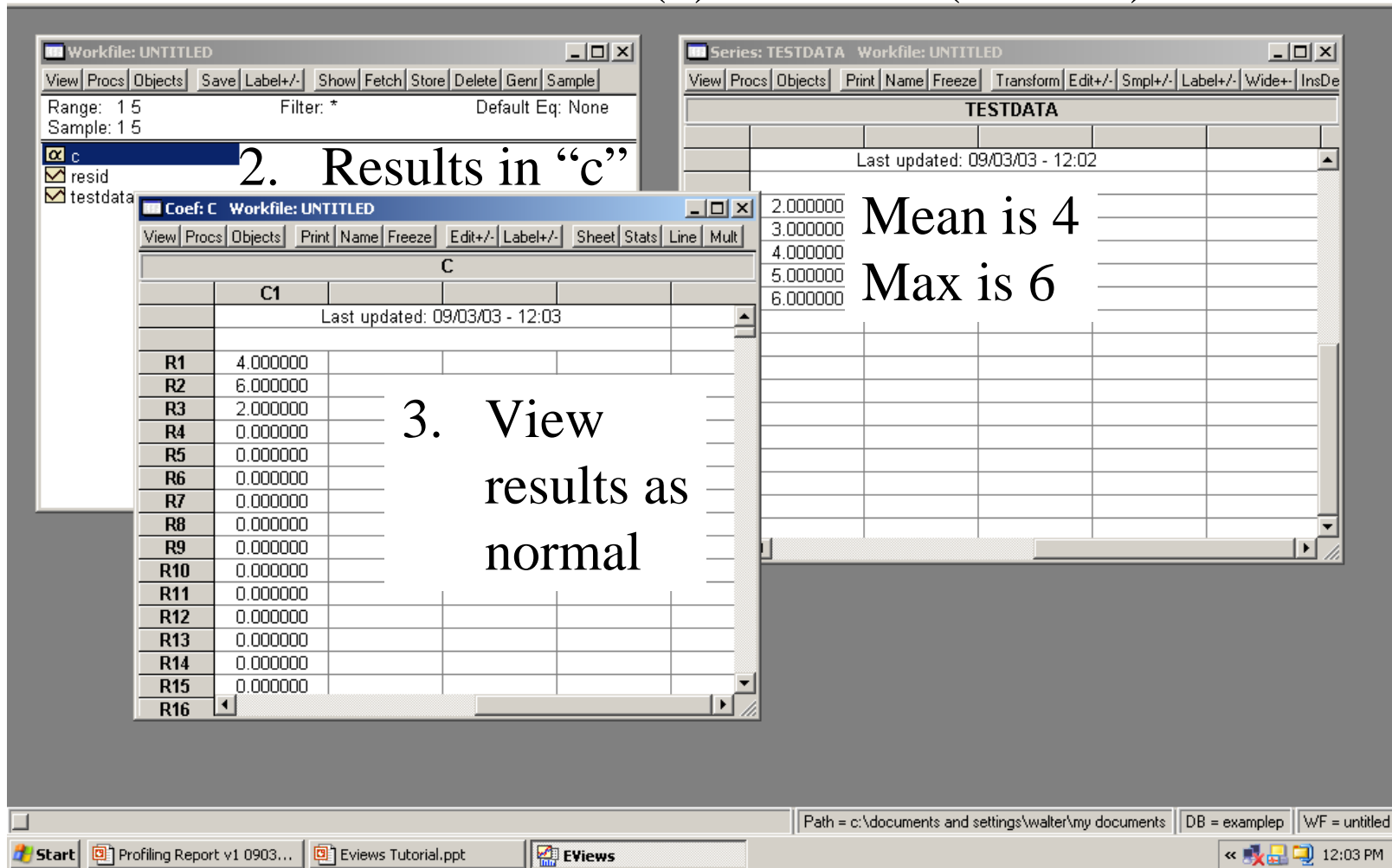
Calculations in EViews



The screenshot shows the EViews command window with the following text:
c(1) = @mean(testdata)
c(2) = @max(testdata)
c(3) = @max(testdata) - @mean(testdata)

1. Enter calculations here, such as:

$$c(1) = @mean(testdata)$$



2. Results in "c"

3. View results as normal

Mean is 4
Max is 6

	C1
R1	4.000000
R2	6.000000
R3	2.000000
R4	0.000000
R5	0.000000
R6	0.000000
R7	0.000000
R8	0.000000
R9	0.000000
R10	0.000000
R11	0.000000
R12	0.000000
R13	0.000000
R14	0.000000
R15	0.000000
R16	0.000000