

Stata/SE 15.0

File Edit Data Graphics Statistics User Window Help

Review

Filter commands here

# Command \_rc

There are no items to show.

# An Introduction to STATA for Economists

This guideline is designed specifically to students who study urban Economics (E314)

Dr. Ashraf Samir

Command

Variables

Filter variables here

Name	Label
There are no items to show.	

Properties

Variables

Name	
Label	
Type	
Format	
Value label	
Notes	

Data

Filename	
Label	
Notes	
Variables	0
Observations	0
Size	n

CAP NUM OVR

C:\Users\godri\Documents

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# Introduction

## What is STATA?

Stata is a complete, **integrated** statistical software package that provides everything you need for **data analysis, data management, and graphics.**

Command

Variables

Filter variables here

Name	Label
There are no items to show.	

Properties

Variables

Name	
Label	
Type	
Format	
Value label	
Notes	

Data

Filename	
Label	
Notes	
Variables	0
Observations	0
Size	n

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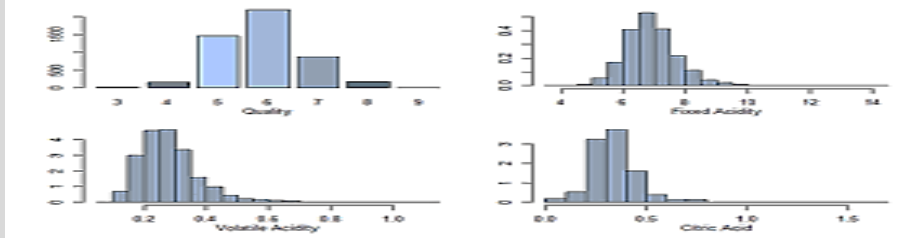
# How could we make use of Stata in research?

## 1- Data Management (Sorting, Combining Datasets, Counting, Variable Management)

## 2- Descriptive Analysis

	Inventory	Receivable	Fixed asset	Suppliers	LT debt	Equity	Revenue	Asset turnover
	RS 000	RS 000	RS 000	RS 000	RS 000	RS 000	RS 000	
Mean	141.109	173.295	302.437	166.009	139.508	375.833	1.317.587	1,4
Median	66.951	76.369	128.373	30.379	57.509	212.143	379.017	1,3
Standard Deviation	156.363	169.917	352.454	273.398	188.587	424.995	1,579.519	0,5
Maximum	660.641	696.196	1.487.268	1.280.457	842.631	1.969.821	6.596.539	2,9
Minimum	16.800	10.488	38.359	4.838	-	-63.423	159.373	0,5

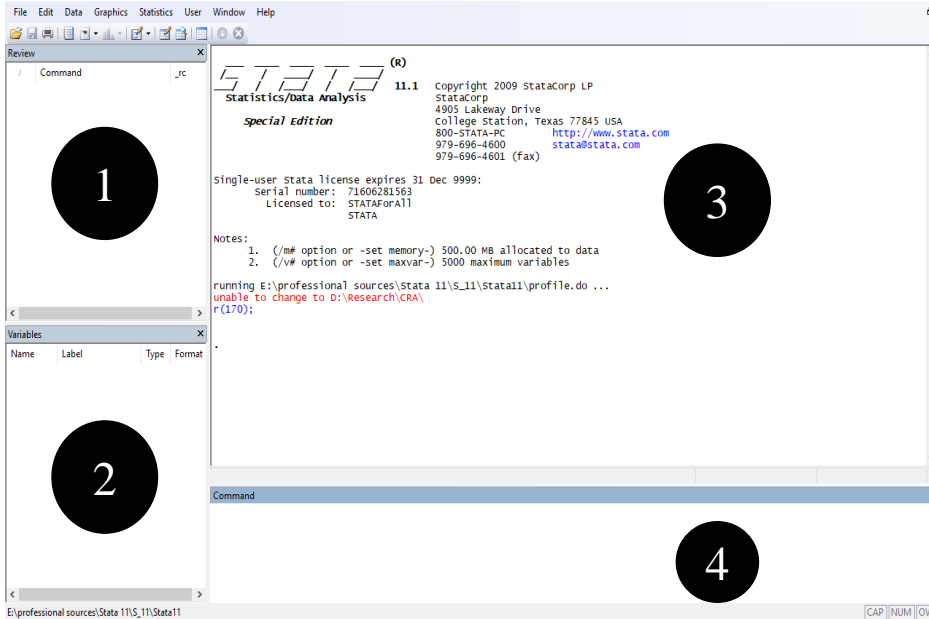
## 3- Exploratory Analysis



## 4- Quantitative Analysis

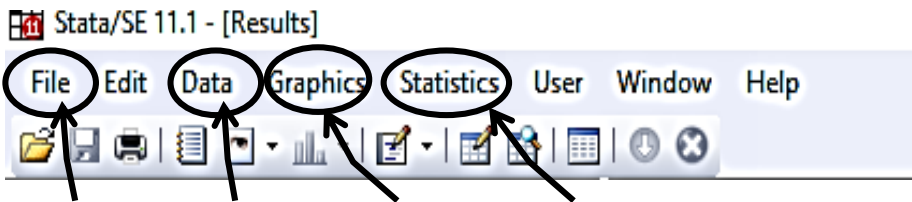
Source	SS	df	MS			
Model	180261702	2	90130850.8	Number of obs =	74	
Residual	454803695	71	6405685.84	Pr < 2 * F(2, 71) > =	0.0000	
Total	635065396	73	8699525.97	R-squared =	0.2838	
				Adj R-squared =	0.2637	
				Root MSE =	2530.9	
<b>the coefficients (betas)</b>						
price	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
mpg	-294.1955	55.69172	-5.28	0.000	-405.2417	-183.1494
foreign	1767.222	700.158	2.52	0.014	371.2169	3163.368
_cons	11905.42	1158.634	10.28	0.000	9595.164	14215.67
<b>the constant (alpha)</b>						

# Stata- GUI



- 1- Review Window
- 2- Variables window
- 3- Results Window
- 4- Command Window

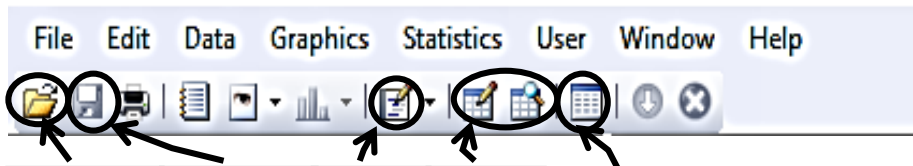
# Stata- GUI



<ul style="list-style-type: none"> <li>- Open</li> <li>- Export</li> <li>- Import</li> </ul>	<ul style="list-style-type: none"> <li>-Create or Change Variable</li> </ul>	<ul style="list-style-type: none"> <li>-Twoway graph</li> <li>-Bar chart</li> <li>-Dot chart</li> <li>-Pie chart</li> </ul>	<ul style="list-style-type: none"> <li>Summaries, tables, tests</li> <li>-Linear models and related</li> </ul>
1	2	3	4

# Stata- GUI

Stata/SE 11.1 - [Results]



<p><b>Open:</b> <u>Stata data</u> <u>Stata graph</u> <u>Do file</u></p> <p><b>1</b></p>	<p><b>Save your data file</b></p> <p><b>2</b></p>	<p><b>Do-file Editor</b></p> <p><b>3</b></p>	<p><b>Data Editor</b></p> <p><b>4</b></p>	<p><b>Variables Manager</b></p> <p><b>5</b></p>
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Stata/SE 15.0

File Edit Data Graphics Statistics

Governorate	Number of Population
Cairo	6959859
Alexandria	4239095
Port-Said	587249
Dakahlia	5145634
Sharkia	5545224
Kalyoubia	4393870
Kafr-ElSheikh	2709968
Gharbia	4137090
Menoufia	3382506

Command

## Exercise

- If you have the following data (2008)
- Calculate the main descriptive statistics.

Variables

Filter variables here

Name	Label
There are no items to show.	

Properties

Variables

Name	Label	Type	Format	Value label	Notes
Data					
Filename					
Label					
Notes					
Variables	0				
Observations	0				
Size	0				

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The screenshot shows the Stata/SE 15.0 software interface. The main window is titled "Assignment" and contains the text: "By using the dataset entitled 'Stat1', calculate the main descriptive statistics." The interface includes a menu bar (File, Edit, Data, Graphics, Statistics, User, Window, Help), a toolbar, and several panels: "Review" (left), "Variables" (right), and "Properties" (bottom right). The "Review" panel shows a filter for commands and a list of commands. The "Variables" panel shows a filter for variables and a list of variables. The "Properties" panel shows a list of properties for the current dataset, including Name, Label, Type, Format, Value label, Notes, Filename, Label, Notes, Variables, Observations, and Size. The status bar at the bottom indicates the current directory is C:\Users\godri\Documents.

Stata/SE 15.0

File Edit Data Graphics Statistics User Window Help

Assignment

Review

Filter commands here

Command \_rc

There are no items to show.

By using the dataset entitled "Stat1", calculate the main descriptive statistics.

Variables

Filter variables here

Name Label

There are no items to show.

Properties

Variables

Name

Label

Type

Format

Value label

Notes

Data

Filename

Label

Notes

Variables 0

Observations 0

Size n

Command

C:\Users\godri\Documents

CAP NUM OVR

The screenshot shows the Stata/SE 15.0 software interface. The main window is titled "The End" and contains the text: "The End". The interface includes a menu bar (File, Edit, Data, Graphics, Statistics, User, Window, Help), a toolbar, and several panels: "Review" (left), "Variables" (right), and "Properties" (bottom right). The "Review" panel shows a filter for commands and a list of commands. The "Variables" panel shows a filter for variables and a list of variables. The "Properties" panel shows a list of properties for the current dataset, including Name, Label, Type, Format, Value label, Notes, Filename, Label, Notes, Variables, Observations, and Size. The status bar at the bottom indicates the current directory is C:\Users\godri\Documents.

Stata/SE 15.0

File Edit Data Graphics Statistics User Window Help

The End

Review

Filter commands here

Command \_rc

There are no items to show.

Variables

Filter variables here

Name Label

There are no items to show.

Properties

Variables

Name

Label

Type

Format

Value label

Notes

Data

Filename

Label

Notes

Variables 0

Observations 0

Size n

Command

C:\Users\godri\Documents

CAP NUM OVR