

Stata

Purchase

- <https://www.stata.com/order/new/edu/profplus/student-pricing/>

Tutorials

- <https://stats.oarc.ucla.edu/stata/>
- <https://www.youtube.com/user/statacorp>

Stata Interface

- <https://www.youtube.com/watch?v=02qrJEblQwk>

Quick Help in Stata

- <https://www.youtube.com/watch?v=UpXNMeTzmuI&t=5s>

Basic Scatterplots in Stata

- <https://www.youtube.com/watch?v=GhVGpe3Ib3E&t=9s>

Import Excel Data into Stata

- https://www.youtube.com/watch?v=N5ZFgzN2_7c&t=4s

Copy/Paste Data from Excel into Stata

- <https://www.youtube.com/watch?v=iCvZ9pvPy-8&t=6s>

Simple Regression

- <https://www.youtube.com/watch?v=HafqFSB9x70&t=4s>

Specific Examples

1. Opening a Stata session

- Double click a Stata file (e.g., dataset).
- Open Stata from the Programs menu and select File and Open.
- Open Stata and type – use filename (with path) in Command (window)

2. Describing a dataset

- Type in Command:
 - describe
 - describe var1 var2
 - d

3. Summarizing a dataset

- Type in Command:
 - summarize
 - summarize var1 var2
 - summarize, detail
 - su, d
- Select the tab Statistics

4. Displaying the data

- Type in Command:
 - browse
 - browse var1 var2
 - br
 - edit
 - edit var1 var2
 - ed
- Browse/Edit icons

5. Linear Regression

- Type in Command
 - regress var1 var2

- reg var1 var2
- Select the tab Statistics

6. Fitted Values

- Type in Command
 - reg var1 var2
 - predict yhat

7. Residuals

- Type in Command
 - reg var1 var2
 - predict uhat, residuals
 - predict uhat, res

8. General

- To generate a variable $x = 100$ – type: generate $x = 100$; g $x = 100$
- To replace the same by 1000 – type: replace $x = 1000$
- Correlation between 2 variables – type: correlate var1 var2; cor var1 var2
- To sort on a variable – type: sort var1
- Frequency distribution for a (discrete) variable – type: tabulate var1; tab var1
- Dropping a variable – type: drop var1
- Keeping only one variable (and dropping rest) – type: keep var1
- If qualifier – type: summarize var1 if var2==1; summarize var1 if var2 > 1; summarize var1 if var2 > 1 & var3 < 10; summarize var1 if var2 > 1 | var3 < 10; summarize var1 if (var2 > 1 & var3 < 10) | var4==12
 - & denotes AND
 - | denotes OR
- Counting – type: count if var2 > 1
- Renaming a variable – type: rename var1 var2
- Saving a file – type: save filename (with path)
- To clear existing data – type: clear
- To load new data – type: use filename (with path)

9. Graphs

- Scatter plots
 - Type in Command: twoway scatter var1 var2
 - Select the tab Graphics
- Scatter plots with regression line
 - Type in Command: twoway (lfit var1 var2) (scatter var1 var2)

10. Import from excel

- Select File and then Import
- Type Edit and then Copy and Paste

11. Help

- Type in Command
 - help regress
 - search regression
 - help functions
 - help operator
- Help tab

12. Do and log files

- log using filename (with path).log, replace
- set more off
- *Comment: Linear Regression
- reg var1 var2
- log close
- clear all

13. Files

- Data - .dta
- Code - .do
- Log - .log or .smcl