

Learning Stata

Stata software: For EC203 (EC303) and EC204 (EC304) students will need to purchase the econometric software package Stata online at: <http://www.stata.com/order/new/edu/gradplans/gp-campus.html>, or for approximately \$10 more you can buy the program on a CD (you go to the same site and indicate a CD purchase). You will need to purchase the version Stata/IC 13 for \$189 which will give you a perpetual license with no limitations on the size of the data set used (which will be essential for your projects in EC204/304), and which will be very useful for any type of analysis you might want to do in the future, either for an internship or a senior honors thesis. The software comes with extensive documentation in pdf format, including the introductory “Getting Started with Stata” manual which will be referred to in class.

Introductory Instructional Videos

In order to get the most out of these videos I suggest that you have Stata open while you watch each video and that you periodically pause the video and do what you just viewed using your copy of Stata (the videos mostly use version 12 of Stata and some things differ slightly in version 13). Also, remember that if you click on the Help tab at the top of the Stata window and select PDF Documentation and choose “Getting Started” you will get the “Getting Started With Stata” text which will show you pretty much all you need to know. You can work through this text, beginning with the first chapter “Introducing Stata – sample session” being sure not to simply read the text but rather keep your copy of Stata open and execute all commands yourself. Stata has extensive additional, more detailed documentation on all commands readily available in the User’s Guide which can also be accessed under PDF Documentation. Note: There are many more online instructional Stata videos from the StataCorp and from other sources, so feel free to investigate further. The links below should be thought of as an introduction to Stata, not comprehensive instruction.

Stata Interface (2): http://www.youtube.com/watch?v=L8iIj_8lhRc

http://www.youtube.com/watch?v=3SsBePUY_eI&list=TLnNq6kTYFiiuNx8bONXfc26BcXvf_87d2

Help: <http://www.youtube.com/watch?v=UpXNMeTzmuI>

PDFs: <http://www.youtube.com/watch?v=xWJTFtWhQc4>

Importing Excel Data (2): http://www.youtube.com/watch?v=N5ZFgzN2_7c

<http://www.youtube.com/watch?v=iCvZ9pvPy-8>

Importing Delimited Data: <http://www.youtube.com/watch?v=60RBNsqzL6I>

Bar Graphs: <http://www.youtube.com/watch?v=jNjAdtQwW6M>

Pie Charts:

http://www.youtube.com/watch?v=T_skwxG4sTk&list=PLN5IskOdgXWkIIB1X54QDOLeAAp2O_N2D

Box plots: <http://www.youtube.com/watch?v=y6dngL80xuo>

Histograms: <https://www.youtube.com/watch?v=nPqNZVToGx8>

Scatterplots: <http://www.youtube.com/watch?v=HafqFSB9x70>

Descriptive Statistics: <http://www.youtube.com/watch?v=kKFbnEWwa2s>

Tables and Cross tabulations: <http://www.youtube.com/watch?v=3WpMRtTNZsw>

t-tests: <http://www.youtube.com/watch?v=by4c3h3WXQc>

<http://www.youtube.com/watch?v=HwzCyqW-0dc>

Confidence Intervals: <http://www.youtube.com/watch?v=fFVBIpHY-RY&list=PLN5IskQdgXWm7XullzG8mCg60oPAPmcBM>

http://www.youtube.com/watch?v=eaUs_LLv6gw&list=PLN5IskQdgXWm7XullzG8mCg60oPAPmcBM

Correlations: <http://www.youtube.com/watch?v=o7ko844ff-g>

ANOVA: <http://www.youtube.com/watch?v=XEFGGkFRdD4>

<http://www.youtube.com/watch?v=3g1Yj7Vd0mE>

NOTE: In EC203 (303) students will also be introduced to using the scalar command and probability functions to find t-values (invttail) and areas under the pdf (ttail), in addition to the normal, binomial, and poisson pdfs, to create confidence intervals and hypothesis testing. They will be introduced to the scalar dialog box (accessed by typing db scalardefine) and the hand calculator using the dropdown boxes “Data>Other utilities>Hand calculator”. I have not found videos for this, but these Stata procedures are used in the “Using Stata for Principles of Econometrics” text. Wiley provides no charge pdfs for the first two chapters of the text through the link:

http://higheredbcs.wiley.com/legacy/college/hill/0470626739/manuals/using_stata_for_principles_of_econometrics.pdf

Mostly EC204 (EC304) basic material follows:

Simple Regression: <http://www.youtube.com/watch?v=HafqFSB9x70>

Margins Command (2): <http://www.youtube.com/watch?v=XAG4CblbH0k>

<http://www.youtube.com/watch?v=L9-PWY79aVA>

Factor (categorical) Variables: <http://www.youtube.com/watch?v=Wa1Nd9epHmY>