

Where: Electronic Classroom (A-6-D), Firestone Library

Time: 3 pm to 5 pm.

Instructor: Oscar Torres-Reyna

Goal: These workshops are meant to jump-start students into data analysis by providing basic statistical tools and resources to start exploring data and to start building basic models.

Registration required. Please send email with the session/date you want to attend to otorres@princeton.edu

Session 1a - 10/22/2010 - Data Analysis 101: Loading data into Stata and/or R.

Students will learn:

- 1) To transfer data from Excel, ASCII, SPSS and/or SAS to Stata/R.
- 2) To run basic descriptive/summary statistics.
- 3) To make histograms and scatterplots.

Note: When registering for this session please indicate whether you will be using Stata or R for your work and, if possible, the type of data and format (Excel, etc.). Students are encouraged to bring their own datasets to transfer to the proper format.

Session 1b - 10/29/2010 - Data Analysis 101: Loading data into Stata and/or R.

Students will learn:

- 1) To transfer data from Excel, ASCII, SPSS and/or SAS to Stata/R.
- 2) To run basic descriptive/summary statistics.
- 3) To make histograms and scatterplots.

Note: When registering for this session please indicate whether you will be using Stata or R for your work and, if possible, the type of data and format (Excel, etc.). Students are encouraged to bring their own datasets to transfer to the proper format.

Session 2 - 11/12/2010 - Data Analysis 101: Introduction to linear regression (using Stata)

Students will learn:

- 1) To clean and prepare variables for analysis.
- 2) To run linear regression models (OLS).
- 3) To perform basic diagnostics to test the models.

Session 3 - 11/19/2010 - Data Analysis 101: Introduction to panel data analysis (using Stata)

Students will learn:

- 1) To clean and prepare variables for analysis.
- 2) To run fixed and random effects models.
- 3) To perform basic diagnostics to test/select models.

Session 4 - 12/03/2010 - Data Analysis 101: Introduction to linear regression (using R).

Students will learn:

- 1) To clean and prepare variables for analysis.
- 2) To run linear regression models (OLS).
- 3) To perform basic diagnostics to test the models.

Session 5 - 12/10/2010 - Data Analysis 101: Introduction to panel data analysis (using R)

Students will learn:

- 1) To clean and prepare variables for analysis.
- 2) To run fixed and random effects models.
- 3) To perform basic diagnostics to test/select models.