CRS Statistical Workshops

Data Wrangling in Stata: Fundamentals for New Users

Location: IBS 150

Dates and Times: 10:00AM to 11:30AM November 12th and December 5th, 2024

Duration: 90 minutes, offered twice

This 90-minute workshop is designed to introduce new users of Stata to common data management techniques that are required for preparing and analyzing quantitative data with statistical software, including the following topics:

- A review of common data file formats
- Preparing datasets for use in Stata
- Reading Data into Stata
- Inputting raw data files into Stata
- Using and saving Stata data files
- Labeling data, variables and values
- Creating and Recoding Variables
- Subsetting variables and observations
- Collapsing data across observations
- Working across variables and observations
- Combining Stata files

New affiliates, users who are new to Stata—and individuals with more advanced statistical skills who currently use other statistical software are welcome. Stata syntax covered in this workshop: IMPORT, USE, FDAUSE, INFILE, INFIY, INSHEET, INPUT, SAVE, SAVEOLD, LABEL, GENERATE, EGEN, REPLACE, RECODE, DROP, KEEP, COLLAPSE, BYSORT, SORT, APPEND, MERGE, PRESERVE

Regression Ready: An Introduction to OLS with Stata

Location: IBS 150

Dates and Times: 10:00AM to 11:30AM November 19th and December 10th, 2024

Duration: 90 minutes, offered twice

This 90-minute introductory workshop is designed to follow on the heels of our introductory workshop in Basic Data Management in Stata ("Data Wrangling in Stata: Fundamentals for New

Users"), and teaches new users of Stata basic ordinary least squares regression techniques, including:

- Examining and preparing your data
- Simple linear regression
- Multiple regression
- Interpreting Stata output
- Post estimation analysis

This class is aimed at teaching new users basic regression commands in Stata, including post-estimation model evaluation techniques. New affiliates, users who are new to Stata—and individuals with more advanced statistical sills who currently use other statistical software are welcome. Stata syntax covered in this workshop: DESCRIBE, SUMMARIZE, TABULATE, INSPECT, LIST, MISSTABLE, DROP, KEEP, HISTOGRAM, SCATTER, REGRESS, PREDICT, RVPLOT, ESTAT, MARGINS, MARGINSPLOT

CRS Technical Skills Workshops

Using IBS Software Anywhere in the World: Citrix for Remote Access

Location: IBS 150

Dates and Times: Not currently scheduled

Duration: 60 minutes

This 45-minute workshop is designed to help you decide whether to request access to IBS's Citrix environment, show you how to request access, and then demonstrate getting up and running in it once you have access. The workshop will cover skills applicable both to the general purpose desktops and to servers for specific IBS projects, including:

- How to install and configure the Citrix Workspace client
- Getting set up with two-factor authentication
- How to run jobs up to two days or longer
- Where to store data depending on its confidentiality level and who needs access
- Q&A

All IBS affiliates can take advantage of the Citrix environment, which includes access to:

- Stata MP/64
- R/RStudio/Posit
- Anaconda/Python

The following software is also available upon request:

- NVivo
- SPSS

- Matlab
- ArcGIS Pro and Desktop/QGIS
- Hazus

Securing Our Data

Location: IBS 150

Date and Time: Not currently scheduled

Duration: 60 minutes

Everyone who handles confidential data at IBS has a responsibility to keep it secure. This 60-minute workshop is designed to equip you with the skills to:

- Evaluate the sensitivity of data
- Anonymize data
- Decide where to store data at IBS and CU
- Decide which software can be used for data analysis
- Transfer data between different systems and organizations
- Understand encryption, passwords, and secure data transfer technologies
- Respond to IRB and other agencies' questions about data security
- Know who can help