

## Introductory Data Management and Analysis Using Stata

The University of Texas at Dallas

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**Overview:** The goal of this course is to provide a hand-on introduction to using the Stata program. This particular introduction will focus on data and tools typically employed by social scientists. The course will alternate between lectures on topics and interactive lab sessions where students will put what they are learning to work.

**Data:** The best way to learn a statistical program is to work with data that interest you. Example data sets will be available, but students are highly encouraged to bring data sets that they are working with so that they can apply the techniques being taught to those data.

**Graphics:** Throughout the course, we will put a lot of emphasis on producing effective graphics. An excellent resource for Stata graphics is:

Mitchell, Michael M. 2012. *A Visual Guide to Stata Graphics, 3rd edition*. Stata Press.

### Planned Topics

1. Course overview and some big picture issues
2. Introduction to the Stata environment
3. Getting your data into Stata
4. Getting to know your data in Stata
5. Creating and manipulating variables in Stata
6. Manipulating data sets in Stata
7. Bivariate analyses in Stata
8. Introduction to simulating data in Stata
9. Regression analyses in Stata
10. Additional topics (as time allows)