The Workflow of Data Analysis: 
An Introductory Workshop for Reproducible Research*

Dr. J. Scott Long

Distinguished Professor and Chancellor’s Professor
Departments of Sociology and Statistics
Indiana University

Workshop Schedule  (Please RSVP to help us plan)

Wednesday February 18, Afternoon, Room 103, Donald L. Houston Bldg.

Session 1 (3:30-4:45 p.m.) Overview of the Workflow of Data Analysis: overview of the workshop with introductory remarks on workflow and reproducible results in data analysis.

Thursday February 19, 501 Rudder Tower

Session 2 (9:30-10:30 a.m.) General principles of workflow: principles for planning, organizing, and documenting data management and analysis to produce reproducible results efficiently.

Break (10:30-10:45 a.m.)

Session 3 (10:45-11:45 a.m.) Data management and analysis: effective strategies for data set construction, statistical analysis, and maintaining the provenance of results.

Lunch (11:45 a.m. - 1:00 p.m.)

Session 4 (1:30-2:45 p.m.) Digital asset management: Organizational principles and practice for managing files and directories, including directory structures, file naming, and backup strategies.

Break (2:45-3:00 p.m.)

Session 5 (3:00-4:15 p.m.) Research Data Centers and Workflow of Data Analysis: Review of the RDC research environment and protocols (by Mark Fossett and Bethany DeSalvo) followed by comments by Scott Long noting how the general strategies covered in Sessions 1-4 (and his book) have particular relevance for research in RDCs.

Reception (4:30-6:30 p.m.) University Club, Rudder Tower (please RSVP)

Friday February 20, Academic 307 & 326

Session 6 (9:00–10:45 a.m., Academic 307) Informal group discussion of workshop topics

Research Presentation (11:30 a.m. - 12:30 p.m., Academic 326, lunch provided)

“Regression models for comparing groups: new methods for using parameters and predictions in the binary logit model”

Supported by TXCRDC Consortium Institutions: Texas A&M University, The Texas A&M University System, Baylor University, Rice University, University of Texas-Austin, and University of Texas-San Antonio
Administrative Home – College of Liberal Arts, Texas A&M University