

**Consortium for Education and Social Science Research  
2011-2012 Workshop in Methods**

***Principles of Workflow in Data Analysis***

By

**J. Scott Long, PhD**

**Distinguished Professor and Chancellor's Professor  
of Sociology and Statistics – Indiana University**

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The workflow of data analysis encompasses the entire process of scientific research: Planning, documenting, and organizing your work; creating, labeling, naming, and verifying variables; performing and presenting statistical analyses; preserving your work; and (perhaps, most important) producing replicable results. Most of our work in statistics classes focuses on estimating and interpreting models. In most “real world” research projects, these activities involve less than 10% of the total work. Professor Long’s talk is about the other 90%. An efficient workflow saves time, introduces greater reliability into the analysis, and generates replicable results. A recent entry on a blog discussing Professor Long’s recent book, *The Workflow of Data Analysis Using Stata*, claimed: “The publication of [this book] may even reduce Indiana’s comparative advantage of producing hotshot quant PhDs now that grad students elsewhere can vicariously benefit from this important aspect of the training there.” Can you afford to miss this talk?

Professor Long received his PhD in Sociology from Cornell. He is Distinguished Professor and Chancellor's Professor of Sociology and Statistics at Indiana University, Bloomington. He teaches quantitative methods both at Indiana University and at the ICSPR Summer Program. His earlier research examined gender differences in the scientific career. In recent years, he has collaborated with Eliza Pavalko, Bernice Pescosolido, John Bancroft, Julia Heiman and others in studies of health and aging, stigma and mental health, and human sexuality.

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WIM Director: William Alex Pridemore, Professor of Criminal Justice and Associate Director of the Consortium for  
Education and Social Science Research: [wpridemo@indiana.edu](mailto:wpridemo@indiana.edu).