WORKSHOP IN METHODS

SOCIAL SCIENCE RESEARCH COMMONS &
KARL F. SCHUESSLER INSTITUTE FOR SOCIAL RESEARCH

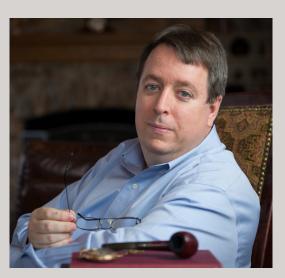## Introduction to Bayesian Statistics Using Stata

Dr. Chuck Huber

**Associate Director of Statistical Outreach
StataCorp**

Bayesian analysis has become a popular tool for many statistical applications. Yet many data analysts have little training in the theory of Bayesian analysis and software used to fit Bayesian models. This talk will provide an intuitive introduction to the concepts of Bayesian analysis and demonstrate how to fit Bayesian models using Stata. No prior knowledge of Bayesian analysis is necessary and specific topics will include the relationship between likelihood functions, prior, and posterior distributions, Markov Chain Monte Carlo (MCMC) using the Metropolis-Hastings algorithm, and how to use Stata's Bayes prefix to fit Bayesian models.

Chuck Huber is Associate Director of Statistical Outreach at StataCorp and Adjunct Associate Professor of Biostatistics at the Texas A&M School of Public Health.

**Friday
September 20, 2019
2-3pm**

**Social Science Research
Commons Grand Hall**
Woodburn Hall 200
1100 E. 7th St., Bloomington, IN

go.iu.edu/wim

WIM at *10*

In 2019-2020, Indiana University is celebrating its Bicentennial, and the Workshop in Methods is celebrating its tenth year providing social science research methods workshops. Join us as WIM celebrates by looking back at the workshops we've offered, and ahead to social science research methods for the future.

200
YEARS