This is the first of two presentations on time series analysis. This first (morning) workshop introduces time series methods and their utility for examining social science data. The second (afternoon) presentation will discuss research that employs time series methods to answer a substantive question of interest to social science scholars. The morning workshop provides an introduction to methods of time series analysis. Some topics that will be covered include stationarity, ARIMA models, autoregressive distributed lag (ADL) models, error correction models, GARCH models, and vector autoregression (VAR) models.

Dr. Mitchell is Associate Professor of Political Science at the University of Iowa. She is Co-Director of the Issue Correlates of War Project and an Associate Editor of Foreign Policy Analysis. She received her Ph.D. in Political Science at Michigan State University in 1997. She is coauthor of Domestic Law Goes Global: Legal Traditions and International Courts (Cambridge University Press, 2011), she has edited three special journal issues, and she has published two dozen journal articles and book chapters. She is the recipient of four major research awards from the National Science Foundation. Her areas of expertise include international conflict, international organizations, and conflict management. Dr. Mitchell also taught the time series class this summer at the ICPSR summer program.