DATIC 2017 Summer Workshops

Quantitative Research Methods and Data Analysis

UCONN

http://www.datic.uconn.edu/

Structural Equation Modeling using Mplus
June 5th-9th, 2017
Instructor: D. Betsy McCoach

This introductory workshop on Structural Equation Modeling covers basics of path analysis, confirmatory factor analysis, and latent variable modeling. Using Mplus, participants will learn how to build, evaluate, and revise structural equation models. Although the workshop does not require any prior knowledge or experience with SEM, participants are expected to have a working knowledge of multiple regression, as well as some experience using a statistical software program such as SPSS.

Longitudinal Modeling using MPlus
June 15th-17th, 2017
Instructor: D. Betsy McCoach

During this a three-day workshop, students will learn how to model longitudinal data using Mplus. The main focus of the workshop focuses is on fitting growth curve models in Mplus. Specifically, we will cover linear, polynomial, multiphase, non-linear growth curve models, and multivariate growth curve models, and latent change score models for both observed variables and latent constructs.

Dyadic Data Analysis Using Multilevel Modeling with R
June 19th-23rd, 2017
Instructors: David A. Kenny & Randi Garcia

The workshop on dyadic data analysis will focus on data where both members of a dyad are measured on the same set of variables. Among the topics to be covered are the actor-partner interdependence model, the analysis of distinguishable and indistinguishable dyads, mediation and moderation of dyadic effects, and over-time analyses of dyadic data. All analyses will be conducted using R, but no prior knowledge or experience with R is required. Participants are expected to have a working knowledge of multiple regression or analysis of variance.

June 5-9	**Structural Equation Modeling using MPlus** **Instructors:** D. Betsy McCoach
June 15-17	**Longitudinal Modeling using MPlus** **Instructors:** D. Betsy McCoach
June 19-23	**Dyadic Data Analysis Using Multilevel Modeling** **Instructor:** David A. Kenny & Randi Garcia