



The Institute for Measurement, Methodology,
Analysis and Policy (Todd D. Little, director) at
TEXAS TECH UNIVERSITY
is proud to announce the

12TH Annual "Stats Camp"

The Award-Winning "Stats Camp" 2014 is Now Enrolling

June 2-6 & 9-13, 2014 • 9:00 a.m. - 5:00 p.m.*

Holiday Inn Convention Center • Lawrence, Kansas

June 2 – 6, 2014:

1. Structural Equation Modeling: Foundations and Extended Applications (Todd D. Little & Noel A. Card, instructors)

Topics include confirmatory factor analysis, multiple-group comparisons, factorial invariance as well as extended applications such as hierarchical models, multi-level SEM, and multi-trait-multi-method analyses. Opportunities for personal consulting and hands-on practice are provided.

2. Applied Latent Class Analysis and Finite Mixture Modeling (Katherine Masyn, instructor)

An introduction to "person-centered" data analysis. Topics include latent class analysis, latent class cluster analysis, modeling predictors and outcomes of latent class membership, and select longitudinal extensions such as latent transition analysis. Hands-on practice with *Mplus* is provided.

3. Multilevel Modeling: Foundations and Applications (James P. Selig, instructor)

The theory and practice of methods for analyzing hierarchically organized data. Topics include random effects, centering, multiparameter tests, plotting cross-level interactions, and other applications of multilevel modeling, including multilevel SEM.

4. Item Response Theory (William P. Skorupski, instructor)

Theoretical and practical advantages of scaling assessment data using IRT. Introduction to various IRT models and their applications, including software training and opportunities for students to analyze their own data.

June 9 – 13, 2014:

5. Longitudinal Structural Equation Modeling (Todd D. Little, instructor)

Topics will include design and measurement issues in longitudinal research, traditional panel designs, latent growth curve analysis, as well as a brief survey of advance growth mixture modeling, multi-level SEM with longitudinal data and dynamic intra-individual modeling.

6. Foundations of Meta-Analysis (Noel A. Card, instructor)

This course teaches the skills necessary to conduct and write publishable meta-analytic reviews, including methods of searching the empirical literature, coding effect sizes, and analyzing effect sizes across multiple studies.

7. Social Network Analysis with Siena (Leslie Echols, instructor)

Introduction to social network analysis for exponential random graph models (ERGM; cross-sectional networks) and longitudinal networks using R and RSiena. With a focus on actor-oriented and tie-oriented characteristics of and changes within complete social networks, the course will survey a variety of approaches to analyzing network data at single or multiple points in time.

8. Mediation and Moderation: Modern Methods and Approaches (Alexander Schoemann, instructor)

Classic and contemporary approaches to estimating moderation and mediation effects; topics include path analysis, indirect and direct effects, testing intervening variable effects, probing and plotting interactions, and combining moderation and mediation.

9. Structural Equation Modeling and Data Analysis with Mplus (Rens van de Schoot, instructor)

Course includes introduction to SEM using *Mplus*; advanced models (e.g., growth curve models and Latent Class modeling) and Bayesian statistics. Morning lectures are followed by afternoon computer lab activities with *Mplus*.

statscamp.org

REGISTER ONLINE TODAY: statscamp.org

Register by April 30 and receive an early bird discount on the institute fee.

Sign up for consecutive courses and receive a discount to offset the weekend hotel costs.

These training institutes are offered every year in June. Go to statscamp.org for ongoing information and to sign up.

For all courses Friday afternoons are reserved for consulting on projects and participants are welcome to depart for travel.



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Comments from Past Participants:

"The instructor's clear and practical presentation of material that was once intimidating to me has uncovered a powerful analytic tool. I feel comfortable that I've learned the correct application of SEM from experts in the field. At the same time, I was introduced to cutting edge techniques and I understand the advantages of their use."—*Jenny Tehan, Graduate Student, Georgia Institute of Technology*

"This course was the most useful statistical training course I've ever had! The instructors are down to earth and practical in their teaching style and the classroom environment was relaxed and non-threatening, which is necessary for such a potentially daunting topic. In particular, the one-on-one private consultation with my own data was invaluable."—*Anonymous comment from a past participant*

"I would like to take a minute to write a quick note to thank you for a wonderful class. I really learned a tremendous amount. Great workshop, nicely paced, good balance between theory and the practicalities of doing SEM. Definitely worth the cost and, more important to me, worth my time."—*Megan R. Gunnar, Distinguished McKnight University Professor, Institute for Child Development, University of Minnesota*

"Although I have been involved with structural equation modeling (SEM) for many years now, I am still an inveterate SEM course taker. Without question, of all the courses I have ever taken, the courses presented at the KU Stats Camp have to be the best ever—hands down! Virtually everything about them is superb—material presented is thorough and well documented, slide content is always clear and very readable, pacing of the presentation is carefully monitored to match internalization of content, allotment of time for questions and extended discussion is generous, assistance with application of statistical techniques is ongoing, and, as if that were not enough, participants are provided with an abundance of supportive resources by way of key references, computer input/output files, visual and audio copies of the presentation, important reading materials, and guides to understanding critical statistical and SEM concepts. In my view, Todd Little's Summer Stats Camp is an absolute gold mine of information."—*Barbara Byrne, School of Psychology, University of Ottawa*

"The instructors were clear, concise, and helpful in addressing questions. Before attending, I was concerned that I would have trouble truly understanding all of the concepts and material in such a short time, but the instruction was fantastic and not overwhelming."—*Anonymous comment from a past participant*

"The instructors and blue shirts have an unmistakable dedication to research methods and data analysis of the very highest quality—but are remarkably balanced in their very obvious efforts to connect with others on a professional and personal level as very likable and real people."—*Anonymous comment from a past participant*

"Wow. Simply superb—the instructors, the materials, the blue shirts. Each course I've taken has been excellent and worth it! I will recommend Stats Camp to all my friends and colleagues."—*Anonymous comment from a past participant*

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