



The Stats Source: Newsworthy Notes from the Ed Stats SIG

President's Column

I hope each of you is enjoying a pleasant Fall!

Our esteemed 2011 Program Chair (Dr. Janet Holt) has put together a wonderful program for the upcoming conference in New Orleans. Many thanks go to her and her review panel members for all the hard work they put into selecting the proposals. Thanks also to each of you who submitted a proposal and volunteered to chair a session or provide a discussion. Do keep recruiting fellow educational statisticians to join our SIG because the larger our membership (and the more proposals that are submitted), the larger our presence can be (in terms of presentations) at the AERA national conference.

At the AERA conference in Denver, Dr. Joel Levin was awarded the third Educational Statisticians' SIG Annual Service Award. Many congratulations go to Joel and many thanks to him for his many years of generous service to our SIG. Although we hope that the prior year's Service Award winner can give an invited talk at the SIG Business meeting in the next year, unfortunately, Joel will not be able to attend the

conference in New Orleans to serve as our invited speaker. Stay tuned for details on the agenda for the SIG Business meeting.

The nominations committee (Dr. Janet Holt - Chair, Dr. Debbie Hahs-Vaughn, Dr. Dena Pastor, and Dr. Josh Goodman) had two assignments. First, they were charged with selecting nominations for the Program Chair for the 2012 program as well as candidates for Treasurer/Secretary and Members at Large. Also, they are asked to help select nominations for the recipient of the fourth Educational Statisticians' SIG Annual Service Award (to be presented in New Orleans). While the slate of candidates is being finalized this week, there is still time for you to help them by emailing nomination ideas for the Service Award to any of the members of this committee. Note that when submitting a nomination for the Service Award, please include a short summary justifying your choice of candidate.

It is almost time to start organizing the Quantitative SIGs' social event for New Orleans. If any of you are very familiar with New Orleans and have some ideas for where to hold the social, please let Dr. Janet Holt or I know. We are the hosts this year and hope to show the other co-sponsoring SIGs our social spirit!

I look forward to seeing many of you in New Orleans at the beginning of April (the 8th to the 12th to be exact). Happy (early) holidays to each of you!

Sincerely,
Laura Stapleton
Educational Statisticians' SIG President 2010-2011

- President*
Laura Stapleton
University of Maryland-Baltimore County
- Program Chair & President Elect*
Janet Holt
Northern Illinois University
- Secretary / Treasurer*
Josh Goodman
James Madison University
- Book Series Editor*
Ron Serlin
University of Wisconsin
- Newsletter Editors & Webmasters*
Haiyan Bai
Debbie Hahs-Vaughn
Steve Sivo
Lea Witt
University of Central Florida
- Members-at-Large & Awards Committee Members*
Rhonda Kowalchuck
Southern Illinois University
Bruno Zumbo
University of British Columbia



A Note from the Program Chair

It looks like we have an interesting and thought-provoking meeting shaping up for AERA 2011, thanks to our great slate of submissions. A special thanks to the review panel for their high-quality and timely reviews: Mark Beasley, Gabriella Belli, Tasha Beretvas, Patricia Busk, Mark Earley, Joan Garfield, Michael Harwell, Walter Leite, Wei Pan, Thomas Smith, and Bruno Zumbo. This was a very time-consuming task and I appreciate their devotion to the Educational Statisticians SIG. The collective efforts of our submitters, reviewers, session discussants, and chairs promises to make our meeting in New Orleans a great one!

We have been allocated by the association to have one business meeting, three paper sessions, and a combination of seven roundtable

papers or posters. In addition, we are co-sponsoring one paper session with the HLM SIG. The roundtable session will include a session chair to help facilitate discussion, so, if you are assigned to a roundtable, please plan to share your paper with your chair (and, if possible, the other authors at the table) prior to the annual meeting.

Finally, we will again join with other quantitative SIGs to host a social during the annual meeting. Look for more this in the AERA program. If you have any questions or suggestions for making the 2011 annual meeting a successful one, please do not hesitate to contact me at jholt@niu.edu.

Thank you!

Janet Holt
*Educational Statisticians' SIG
Program Chair 2010-2011*

Know of
upcoming
conferences?
Please let us
know!

See back
page for
dates and
locations
of
research
meetings
of
interest!

Multilevel Modeling Methods Conference

The Modern Modeling Methods (M^3) conference, hosted at the University of Connecticut, is an interdisciplinary conference designed to showcase the latest modeling methods and to present research related to these methodologies. Invited speakers include **Joshua Angrist, Kenneth Bollen, David Kenny and Stephen Raudenbush.**

Methodological research will be presented that illustrates methodological techniques in the area of modeling, broadly defined. Sessions will showcase methods related to multilevel modeling, structural equation modeling, mixture modeling, and longitudinal modeling.

For more information about the conference please visit www.modeling.uconn.edu.



Modern Modeling Methods
Conference

MAY 25-26, 2011



Beginner's Guide to Structural Equation Modeling (3rd edition)

Authors: Randall Schumacker and
Richard G. Lomax

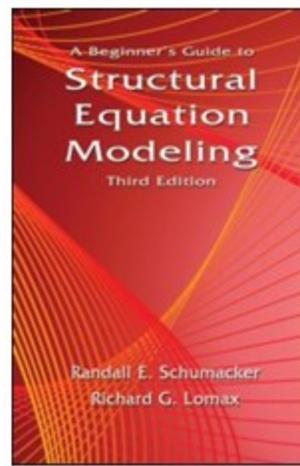
This best-seller introduces readers to structural equation modeling (SEM) so they can conduct their own analysis and critique related research.

Noted for its accessible, applied approach, chapters cover basic concepts and practices and computer input/output from the free student version of Lisrel 8.8 in the examples.

Each chapter features an outline, key concepts, a summary, numerous examples from a variety of disciplines, tables, and figures, including path diagrams, to assist with conceptual understanding.

Find out more about *A Beginner's Guide to Structural Equation Modeling* and to order online:

<http://www.researchmethodsarena.com/a-beginners-guide-to-structural-equation-modeling-9781841698915>



AERA Fellowships & Grants Programs

Information on AERA's Fellowships and Grants Programs can be found at <http://www.aera.net/fellowships/?id=57>. From this site, details and related links for more information on the following programs can be accessed:

- AERA-AIR Fellows Program
- AERA-ETS Fellowship Program in Measurement
- Minority Fellowship Program in Education Research
- AERA Grants Program

Educational Psychology, Measurement, and Evaluation (EPME) at the University of Louisville

The University of Louisville has established a new program in Educational Psychology, Measurement, and Evaluation (EPME). Housed in the Department of Educational and Counseling Psychology within the College of Education and Human Development, the EPME concentration prepares students to enhance the knowledgebase of educational research and assessment. It synthesizes interdisciplinary coursework, training, and fieldwork in order to answer the question of what works in schools - as well as how, under what conditions, and for whom. Graduates under this

program will be prepared to contribute to the field in a variety of environments, including academe, private research firms, foundations, and public school systems.

The EPME program includes coursework in research methods (both quantitative and qualitative), statistics (including ANOVA, multiple regression, structural equation modeling, and multilevel modeling), and assessment (including both classical and modern approaches to psychometrics). Students also take substantive courses relevant to educational research, such as child development, cognitive psychology, and social psychology.

Optional courses include meta-analysis, survey research, data mining, and grant writing. The EPME program also features internship experiences with organizations that actively conduct educational research.

More information can be found on the program website:

<http://louisville.edu/education/degrees/phd-cps-epme.html> or contact Jeff Valentine at jeff.valentine@louisville.edu or Jill Adelson at jill.adelson@louisville.edu

Have information to share?

Do you have information that you would like to share with your colleagues in the Educational Statisticians SIG via the newsletter? We are looking for the following types of news:

- Upcoming conferences and calls for proposals
- Calls for authors and other contributions
- Book reviews and other resources of interest to statisticians as well as graduate students enrolled in statistics

- Other worthy contributions that are of value to your colleagues

Contributions should be sent in a **Word** document to the newsletter co-editors:

dhahs@mail.ucf.edu

hbai@mail.ucf.edu

ssivo@mail.ucf.edu

Lwitta@mail.ucf.edu



Data Analysis Training Institute (DATIC 2011)

There will be three week-long DATIC summer workshops offered during June 2011 at the University of Connecticut.

Hierarchical Linear Modeling: June 13-17, 2011

Instructors: D. Betsy McCoach & Ann A. O'Connell

Each HLM workshop covers basics and applications of multilevel modeling with extensions to more complex designs. Participants will learn how to analyze both organizational and longitudinal (growth curve) data using multilevel modeling and to interpret the results from their analyses. Although the workshop does not require any prior knowledge or experience with multilevel modeling, participants are expected to have a working knowledge of multiple regression as well as SPSS (or SAS). Analyses will be demonstrated using the software HLMv6. Instruction will consist of lectures, computer workshops, and individualized consultations. The workshop emphasizes practical applications and places minimal emphasis on statistical theory.

Structural Equation Modeling: June 20-24, 2011

Instructors: David A. Kenny & D. Betsy McCoach

The workshop on Structural Equation Modeling covers basics of path analysis, confirmatory factor analysis, and latent variable modeling. Using AMOS Graphics, participants will learn how to build, evaluate, and revise a structural equation modeling. Although the workshop does not require any prior knowledge or experience with multilevel modeling, participants are expected to have a working knowledge of multiple regression, as well as SPSS (or SAS).

Dyadic Analysis: June 27-July1, 2011

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 measurement of nonindependence, 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. The software package used in the workshop will be SPSS, but there will be discussion of other packages (e.g., HLM). Although the workshop does not require any prior knowledge or experience with multilevel modeling, participants are expected to have a working knowledge of multiple regression or analysis of variance, as well as SPSS (or SAS).

For more information, or to register for any of these workshops please go to <http://www.datic.uconn.edu>



University of Connecticut

Assistant/Associate Professor; University of Connecticut

The Neag School of Education at the University of Connecticut invites applications for a tenure-track faculty position in the Measurement, Evaluation, and Assessment Program at the rank of Assistant or Associate Professor.

The successful candidate will take a leadership role in securing external funding for research in measurement, evaluation, and assessment-related areas that support the mission of the Neag School of Education. In addition, the faculty member will be expected to provide support for researchers across the school in obtaining external funding. Responsibilities of the position also include teaching introductory/advanced courses in educational research methodology, program evaluation, or assessment, along with supervision of graduate student research.

Minimum Qualifications: Ph.D. in Education or relevant area by time of appointment; a background in educational measurement, assessment, or evaluation; a research agenda focused around quantitative research methodology, assessment or evaluation issues; and a record of publication in areas relevant to the position. Equivalent foreign degrees are acceptable.

Preferred Qualifications: A record of successful grant activity, especially at the PI or co-PI level; an interest or experience in education policy analysis; and the ability to contribute through research, teaching, and/or public engagement to the diversity and excellence of the learning experience, or apply understanding of issues such as diversity and multiculturalism to scholarship.

This is a nine-month, tenure-track position. Rank and salary commensurate with qualifications and experience. The successful candidate's primary academic appointment will be at the Storrs campus with the possibility of work at UConn's regional campuses across the state.

Please visit Husky Hire at www.jobs.uconn.edu to submit curriculum vitae, a formal letter addressing qualifications and describing research and/or professional plans and teaching philosophy.

Three letters of recommendation should be sent to H. Jane Rogers, Chair of the MEA Search Committee, c/o Joanne Roberge, Department of Educational Psychology, University of Connecticut, 249 Glenbrook Road Unit 2064, Storrs CT 06269.

Review of applications will begin immediately and continue until the position is filled. The University of Connecticut is an EEO/AA employer. (Search # 2011239)



University of Connecticut

Assistant Professor; University of South Florida

Assistant Professor, Quantitative Research Methods, College of Education, University of South Florida (Tampa Campus), Department of Educational Measurement and Research; 9-month, tenure track, effective - August 7, 2011.

Major responsibilities include: teaching graduate courses in quantitative research methods at the master's, Ed.S., and doctoral levels (delivered in the classroom and online); maintaining an active program of research and scholarship; securing external funding to support research and training agendas; advising and mentoring master's, Ed.S., and doctoral degree students; and providing service to colleagues within the College, University, P-12 schools, and professional associations. **Applicants from ABDs accepted but all degree requirements must be met by the start date: August 7, 2011.**

REQUIRED QUALIFICATIONS

- Earned doctorate with a major in educational research, quantitative research methods, evaluation, measurement or related field
- Graduate level coursework in the area of quantitative research methods
- Evidence of scholarly productivity
- Commitment to teaching

PREFERRED QUALIFICATIONS

- Evidence of successful teaching experience in quantitative research methods

- Expertise and a research record in areas that include but are not limited to one or more of the following areas: multilevel designs, structural equation modeling, research designs for causal inference, categorical data analysis, longitudinal research, randomized cluster designs, secondary data analysis, and survey sampling
- Experience with computer programs such as SAS, SPSS, Mplus, R
- Experience with online instruction and the use of technology in instruction
- Demonstrated experience in mentoring and in supervising thesis and dissertation research
- Record of federal or other major grant funding or the potential to secure grant funding
- Record of interdisciplinary inquiry
- Evidence of ability to work collaboratively with colleagues in school districts, state departments of education, testing companies, or universities in the areas of research, measurement, or evaluation
- Commitment to support research on issues of diversity

SALARY:

Negotiable, competitive and commensurate with qualifications and experience.

APPLICATION PROCESS:

USF welcomes applications from qualified applicants who have knowledge of and experience with individuals representing diverse backgrounds and

cultures. Applications should include a letter describing qualifications for the position in each of the above areas, current vita, current unofficial university transcripts, copies of one or more recent research articles (maximum of 4) presented at professional conferences or published in refereed journals, and the names, addresses, telephone numbers and e-mail addresses of four professional references. **Please specify Position #17709.** Position finalists will be required to provide official university transcripts. Position finalists may be requested to provide letters of recommendation from professional references. Letters from references are not required at the time of application. References will not be contacted until advanced stages of screening, and candidates will receive prior notification.

Applications must be submitted electronically to <https://employment.usf.edu>

Questions about the position may be directed to Dr. Robert F. Dedrick, Chair of the Search Committee, e-mail address: dedrick@usf.edu

Full consideration will be given to complete applications received by 5:00 pm EST January 7, 2011. Applications will be considered until the position is filled. USF is an Equal Opportunity Institution. For disability accommodations, please contact Jody Duke at (813) 974-3220 (duke@coedu.usf.edu) at least five working days in advance of need.

Ed Stats SIG

American Educational
Research Association
Educational Statisticians
Special Interest Group

Mark your calendars
for a wonderful
meeting in New
Orleans in April!

We will soon be hosted from the AERA website! Until then, our
temporary address is:

[http://homes.education.ucf.edu:16080/
~ssivo/EDSTATS/Ed%20Stat%20Hom
epage.htm](http://homes.education.ucf.edu:16080/~ssivo/EDSTATS/Ed%20Stat%20Homepage.htm)

Upcoming Conferences

American Educational Research Association (AERA)
April 2011, New Orleans, LA

Eastern Educational Research Association (EERA)
February 23-26, 2011, Sarasota, FL

See you in New Orleans in April!

Registration and hotel information for
AERA 2011 can be found at
www.aera.net.

Some reminders:

- Book your hotel early. Rooms fill up quickly.
- There are a number of workshops offered before/during AERA. Check out these excellent professional development opportunities and register to attend them when you complete your AERA registration.

