THE STATISTICAL CONSULTANT



Section on Statistical Consulting Christopher Swearingen, Editor; Michael Griswold, Assistant Editor American Statistical Association Summer 2012; Vol 29, No. 1

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Outstanding Program Planned for San Diego



Jonathan Mahnken The University of Kansas Medical Center

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This year's JSM in San Diego is just around the corner! Conference Keynote Speakers include Alan Krueger from the White House Council of Economic Advisors, Jeff Wu from Georgia Tech, Robert Rodriguez from the SAS Institute, Inc., and Roderick Little from the University of Michigan. The

titles of these Keynote presentations, and in fact the theme for this year's JSM, "Statistics: Growing to Serve a Data-dependent Society," promise to reach the diverse interests of the 1,500 statisticians in our Section.

The Section on Statistical Consulting is pleased to sponsor a variety of invited, contributed, and roundtable sessions this year. Sessions span topic areas of different statistical applications and settings reflective of the Section's membership. Our sponsored sessions begin on Monday morning and continue throughout the conference to Thursday. The Section's Business Meeting & Mixer will be held on Tuesday, July 31 from 5:30-7:30 PM.

We hope you can join us at these many sponsored events, as they provide great opportunities to learn new approaches, spur novel ideas, network and build relationships with other statisticians, and learn more about the Section and ways that you can be involved in the future.

We look forward to seeing you in San Diego!

Preview — Statistical Consulting @ JSM 2012 San Diego, CA



Christopher Swearingen
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JSM 2012 is HERE! As detailed by this year's Program Chair, the Statistical Consulting Section is sponsoring several invited and contributed sessions. Below is a brief listing of those sessions in which Statistical Consulting is the main sponsor. Full details, including session details, abstracts,

as well as other sessions co-sponsored by the Statistical Consulting Section, can be found at

www.amstat.org/meetings/jsm/2012/onlineprogram/index.cfm

A mobile version of the program also exists at:

www.amstat.org/jsmmobile

Section Business Meeting & Mixer _

Hilton San Diego Bayfront – Sapphire IJ

Tuesday 5:30 PM - 7:30 PM

Invited Panel

 How Do You Know When You Are Ready to Fly Solo?
 Organizer: Jonathan Mahnken, University of Kansas Medical Center Panelists: Hilton Bayfront-Sapphire D Tuesday 2:00 PM - 3:50 PM

- Kerry B. Hafner, PRA International
- Janet Myhre, Mathematical Analysis Research Corporation
- Murray Clayton, University of Wisconsin-Madison
- Matthew S. Mayo, University of Kansas Medical Center
- Solo Consulting: The Good, the Bad, and the Ugly Organizer: *Isabella Ghement, Ghement Statistical Consulting Company*

CC-Room 31A

Wednesday 8:30 AM - 10:20 AM

Panelists:

- William B. Fairley, Analysis & Inference, Inc.
- David Ray Bristol, Statistical Consulting Services Inc.
- MaryJo O. Smith, Ypsilon Associates
- Michael Chernick, Lankenau Institute for Medical Research
- Heather Krause. Datassist

Invited Papers _

 Challenges and Opportunities of Remote Statistical Consulting Organizer: Charles Kincaid, Experis 	CC-Room 29D Monday 10:30 AM - 12:20 PM
 Working and Consulting Remotely: The Future Is Here Christy Chuang-Stein, Pfizer Inc. 	10:35 AM
 Avoiding Misunderstandings and Rework in Remote Consulting Mary Batcher, Ernst & Young 	11:00 AM
 Moving to Hawaii Soon Jim Rutherford, Chevron 	11:25 AM
 Discussant George Milliken, Milliken and Associates 	11:50 AM

Fostering Interdisciplinary Collaboration Through Statistical Consulting
 Organizer: Eric Vance, Virginia Tech
 Wednesday 10:30 AM - 12:20 PM

Creating Opportunities for Undergraduate Statistics Students to Become Collaborators in Interdisciplinary Research 10:35 AM Paul Roback, St. Olaf College
 Fostering the Culture of Collaboration at Virginia Tech 11:05 AM Eric Vance, Virginia Tech
 Common Habits of Consulting Clients 11:35 AM Michael Lavine, University of Massachusetts-Amherst

Topic-Contributed Panel

 The Human Side of Statistical Engineering Organizer: Doug Zahn, Zahn and Associates Panelists: Hilton Bayfront-Sapphire D Monday 2:00 PM - 3:50 PM

- Doug Zahn, Zahn and Associates
- Erin Tanenbaum. NORC
- Jennifer H. Van Mullekom, DuPont

Topic-Contributed Papers _____

Consulting in an Interdisciplinary Nursing Environment
 Organizer: Matt Hayat, Rutgers University
 CC-Room 30E
 Thursday 8:30 AM - 10:20 AM

Avoiding the Lower Bound: Practical Tools for Estimating Unified Reliability of Psychometric Instruments 8:35 AM Yu Jiang, Kansas University Medical Center
 Building a Biostatistics Business Model Within a Nursing School 8:55 AM Alexandra Hanlon, University of Pennsylvania
 Investigating Statistical Preparedness of Nursing Graduates for the Workplace 9:15 AM MyoungJin Kim, Illinois State University
 Nursing Science Research Consulting: A Multidisciplinary Framework 7:35 AM Tom Templin, Wayne State University

 Experiences Leveraging Biostatistical Work on Nursing Projects Into Personal Research 9:55 AM George Knafl, The University of North Carolina at Chapel Hill

Contributed Papers _____

Applications and Administrative Practices of Statistical Consulting and Collaborations CC-Room 29B
 Monday 8:30 AM - 10:20 AM

 Classification Accuracy and Cut-Point Selection Xinhua Liu, Columbia University 	8:35 AM
 Statistical Analysis of Environmental Data with Nondetects. A Solution for Practitioners Breda Munoz, RTI International 	8:50 AM
 Much Ado About Almost Nothing: How to Deal with Limited Data Stephen Looney, Georgia Health Sciences University 	9:05 AM
 How Biostatisticians Can Contribute to Nursing Research in the Hospital Setting Dunlei Cheng, The University of Texas School of Public Health 	9:20 AM
 Statistical Consulting in a State Resource Agency: Experiences Gleaned from a 30+ Year Career Allen Bingham, Alaska Department of Fish and Game 	9:35 AM
 Effective Collaboration Between Biostatisticians with Clinicians in Conducting Medical Research Yahya Daoud, Baylor Health Care System 	9:50 AM

 Using the JMP Statistical Package to Enhance the Statistical Literacy of the U.S. Energy Information Administration's (EIA's) Survey Staff
 Carol Blumberg, U.S. Energy Information Administration

10:05 AM

Innovative Solutions to Global Problems: Applications from Statistical Practices CC-Room 28D
 Wednesday 10:30 AM - 12:20 PM

-	A Bayesian Hierarchical Joint Model to Determine the Bundled Payment Cost for Efficient and Effective Knee Replacement Surgery	10:35 AM
	Sherry Lin	
-	Computing Optimal Strata Bounds Using Dynamic Programming Eric Miller, Summit Consulting	10:50 AM
-	Design of Infectious Disease Surveillance in Swine Chong Wang, Iowa State University	11:05 AM
-	Methods for Classifying Changes in Bacterial Prevalence Over Time Raymond G. Hoffmann, Medical College of Wisconsin	11:20 AM
-	Zero-Inflated Mixed Regression to Predict Self-Reported Frequency of Problems with Female Condoms Use Among Women at High Risk of Sexually	
	Transmitted Disease	11:35 AM
	Resmi Gupta, Cincinnati Children's Hospital Medical Center	
-	Extending the Application of an Instrument to Facilitate Interdisciplinary Research Christopher Williams, University of Idaho	11:50 AM

Contributed Oral Posters ___

Section 191

 CC-Sails Pavilion

Monday 10:30 AM - 12:20 PM

- 25. The Estimation and Likelihood Ratio Test for Non-Separable Covariance Matrices Ranye Sun, Texas A&M University
- 26. Visual and Statistical Model Comparisons Case Studies Andy Mauromoustakos, University of Arkansas
- 27. Electricity Records Correction *Yalan Hu*
- 28. Inference After Model Selection in Linear Mixed Effect Models Adam Sima
- 29. Multi-Objective Decision Analysis: Managing Trade-Offs and Uncertainty *Clinton Brownley*
- 30. Using the Tukey-Kramer Omnibus Test in the Hayter-Fisher Procedure Scott Richter, The University of North Carolina at Greensboro
- 31. Statistical Analysis of the Relationship Between Dupuytren's Contracture and Psoriasis *Monica Anand, Baylor Health Care System*
- 32. Can Service-Oriented Architecture Improve Data Quality?

 Nasser Fard. Northeastern University
- 33. Ethics and Gender Effect on Intimacy Attitudes Toward Wheelchair Users Xiaohui Wang, The University of Texas Pan American

Section 192
 CC-Sails Pavilion

Monday 10:30 AM - 12:20 PM

35. Should We Avoid Random Effects Model When Covariates Correlate with Group Effects? Ta Liu, Battelle Memorial Institute

- 36. Intersubject Variability in Pharmacokinetics and Subject Characteristics in Phase I Studies Peng Chai, Celerion
- 37. Electricity Records Correction Yalan Hu
- 38. SimRare: A Program to Generate and Analyze Sequence-Based Data for Association Studies of Quantitative and Qualitative Traits

 Biao Li. Rice University
- 39. The Performance of the Linear Logistic Test Model and the 2-PI Constrained Model When the Q-Matrix Is Misspecified: A Simulation Study George MacDonald, University of South Florida
- 40. Simulation and Model Calibration with Sensitivity Analysis for Threat Detection in Brain *Sumona Mondal, Clarkson University*

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All Roundtables are located in CC-Ballroom 20D

 Displaying the Result and Recognizing Consulting Effort in Analyzing High-Dimensional Temporal and Spatial Correlated Data Set Organizer: Hyun Kim, University of California at Los Angeles

Tuesday 7:00 AM - 8:15 AM

· Minding the Gap

Organizer: Barbara Hanusa, VA Pittsburgh Healthcare System

Tuesday 12:30 PM - 1:50 PM

Home Experiments: A Way to Answer Real Questions and Build Professional Skills
 Organizer: Brenda Wilson Gillespie, University of Michigan
 Tuesday 12:30 PM - 1:50 PM

Beyond Number Crunching and Data Monitoring: Challenging Roles for CRO Statisticians
 Organizer: Jia Hu, Synteract Inc
 Wednesday 12:30 PM - 1:50 PM

Additional information about San Diego can be found at www.sandiego.org www.visitsandiego.com

Headlines and Announcements

Incoming Officers for Statistical Consulting

The results are in! The following officers were elected to terms starting in January 1, 2013. Congratulations to all and thank you for your willingness to serve.

- Chair-Elect Walter Ambrosius, Wake Forest University
- Publications Officer-Elect Chris Barker, Statistical Planning and Analysis Services, Inc.
- Council of Sections Representative (2012-2015) Stuart Gansky, University of California San Francisco
- Executive Committee at Large (2012-2014) Chris Holloman, The Ohio State University

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Section on Statistical Consulting Website

www.amstat.org/sections/cnsl/

You'll find all information relating to the Section on Statistical Consulting, including our charter, officer list, section activities, past issues of *The Statistical Consultant*, minutes of past meetings, and more.

Assistant Editor