

PARAMETER



Newsletter of the Chicago Chapter of the American Statistical Association

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Greetings!

CCASA Tuesday Luncheon Program



October Luncheon

Luncheon Announcement

Noon to 1:30PM

TUESDAY October 23, 2007

The East Bank Club 500 N Kingsbury, Chicago 60610

Please join us for this first exciting event in the CCASA's 2007-2008 Luncheon program.

Our September speaker is Emma Adam, an Associate Professor at Northwestern University. She is an expert in the area of stress research. Her talk is entitled: *Use of Multilevel Growth Curve Modeling to Examine Social Influences on Stress Hormone Levels in Naturalistic Settings.*

Abstract:

In seeking to understand how stressful experiences "get under the skin" to influence

physical health, researchers have increasingly become interested in the role of cortisol, a stress-responsive hormone. While obtaining levels of cortisol is a simple matter (cortisol levels can be measured in small samples of saliva), modeling cortisol data gathered in everyday settings turns out to be surprisingly complex. In my talk, I will demonstrate how multilevel growth curve modeling, with time-varying covariates and lagged independent variables, can be used to model between-person differences in cortisol, as well as within-person changes in this hormone from moment to moment and from day to day in relation to changes in momentary and daily experiences. Using evidence from community samples of adolescents and adults, I will show that cortisol appears to be both influenced by, and a contributor to, our everyday social and emotional experience.

The **November luncheon** will be held on Wednesday, November 7, and the speaker will be Andrea Rau and Meredith Wascher, who are students from Purdue and DePaul Universities, respectively. They will discuss bringing STATCOM, the statistics student volunteer organization, to Chicago.

Plans for our future luncheons will be included in our upcoming announcements and in the Parameter. Lunch is \$30 for CCASA members, \$35 for nonmembers. Nonmembers, join the chapter for a year for only \$15 and get the discount plus all the other benefits of membership!

Contact Lou Fogg, VP for Luncheons Phone: 312-942-6239 or E-mail:louis_fogg@rush.edu



Local Chapter Workshops

Northeastern Illinois Chapter Workshop

Date: Thursday October 18th, 2007

Phone: (847) 298-2525

Times: 11:00 AM

Venue: Radisson Hotel Northbrook, 2875 North Milwaukee Ave, Northbrook IL, 60062

Presenters

- **Dr. Yi-Lin Chiu, PhD-** *Continuous Reassessment Method in Phase 1 Dose Finding Studies*
- **Dr. Charlie Cao, PhD-** *Statistical Considerations and Challenges in Adaptive Designs that Combine Phase II and III- A Case Study*
- **Dr. Balakrishna Hosmane, PhD-** *Non-Inferiority Testing in Thorough QT/QTc Studies*

Additional information on workshop:

<http://www.amstat.org/chapters/northeasternillinois/fall07.htm>

For Registration: send form via e-mail to Zhen Zhao: zzhao@tgrd.com, or by 224-554-7861.

Sponsored by the NIC-ASA (<http://www.amstat.org/chapters/northeasternillinois/>)

Chicago Chapter ASA Workshop Announcement

Hold the date! Short Course on Applied Survival Analysis

Date: Friday, 14 March 2008

Venue: Gleacher Center
450 North Cityfront Plaza Drive
Chicago, IL 60611-4316

Presenter: Susanne May, University of California, San Diego

Dr. Susanne May is co-author with David Hosmer and Stanley Lemeshow of the forthcoming 2nd edition of the text "Applied Survival Analysis." The course will focus on the applications of methods, especially proportional hazards regression models, and could feature some recent advances in the use of diagnostics, time-dependent covariates, and prospective power analysis and sample size determination.

Sponsored by the Chicago Chapter Of the American Statistical Association (<http://www.chicagoasa.org/>).



Did You Know...?

Brad Efron, currently a Professor of Statistics at Stanford and widely known for his important work in the field of Statistics, published the following:

"Statistician's Dozen Noteworthy Methodological Advances of Last 50 Years"

- 1. Nonparametric techniques**
- 2. Robust techniques**
- 3. Kaplan-Meier**
- 4. Proportional hazard models**
- 5. Logistic regression**
- 6. Generalized linear models**
- 7. Jackknife**
- 8. Bootstrap**
- 9. EM algorithm**
- 10. Gibbs sampling**
- 11. Empirical Bayes estimation**
- 12. Stein estimation**

From "The Future of Statistics," September 2007 Amstat News.

Editor: Linda Burtch (312) 629-2400

PARAMETER, newsletter of the Chicago Chapter of the American Statistical Association, is published 10 times a year as a service to its members. To submit material for publication, contact the Editor, Linda Burtch, email: lburtch@smithhanley.com

PARAMETER provides a job listing service by publishing Positions Available and Positions Wanted, the latter being free to Chapter members. Companies may list positions for \$75. Contact the Editor for more information.

For additional information about Chicago Chapter ASA, please visit us on the web at: www.ChicagoASA.org Also, visit the National ASA web site www.amstat.org.

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