

ASAP Newsletter



The Philadelphia Chapter of the American Statistical Association

March 2011

<http://www.amstatphilly.org/>

UPCOMING EVENTS

Date	Event	Location
April 5-7	Delaware Valley Science Fair	Greater Philadelphia Expo Center at Oaks
April 13	Univ. of Penn. Conference on Statistical Issues in Clinical Trials	University of Pennsylvania School of Medicine
April 20	ASA short course: Mixed Models	University of Pennsylvania School of Nursing
June 3	Nominations due for Officers	

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PRESIDENT'S CORNER

I'm glad to report that we have continued our success in obtaining the ASA Traveling Speaker Course for spring 2011! We are cosponsoring with the Princeton Chapter. An announcement of the particulars is contained in this newsletter. I understand registration will be set up very soon. This has proven to be a popular series so don't delay in registering for what will prove to be an excellent one-day course at a bargain price.

We hope to follow the course with our new networking event, to be held at Penn also. Whether or not you attend the course, please come down and meet some of your colleagues.

Chapter officers are continuing to work hard to upgrade our web site. You will begin to see a more modern layout and significantly more web links to the national headquarters, our local academic members as well as other helpful sites. More announcements regarding statistical events in the city also will begin to appear. Check it out when you have a chance. If you would like to share any thoughts about improving our web site, please do not hesitate to contact one of the chapter officers. Contact information is in the back of the newsletter.

Charlie Liss

NOMINATIONS SOUGHT FOR ASAP OFFICERS

Nominations are requested at this time for the 2011 - 2012 ASAP elections, which will be held in June. The term runs from 1 July 2011 through 30 June 2012. Positions up for election are President, Vice President, Secretary, and Treasurer. Please consider these golden opportunities to serve your profession, develop yourself, and earn an appealing mark to update your resume or CV. Self-nominations are perfectly acceptable. If you nominate someone else, please check with them first. Please send names of nominees and the post desired to our current secretary, Mac Turner, mac.turner@hotmail.com, by Friday, June 3, 2011.

DELAWARE VALLEY SCIENCE FAIR

April 5-7, 2011

Greater Philadelphia Expo Center at Oaks
Egypt Road and Rt. 422
100 Station Ave.
Oaks, PA 19456

Judging day is April 6th, from 7:30 AM to 4:00 PM. If you are interested in being a judge, please see the information on the DVSF website <http://www.drexel.edu/dvsf/>. As we have done in the past, our chapter will provide awards for the best use of statistics.

Applied Mixed Models

(ASA Council of Chapters Traveling Course)

Presenter: Linda Young, Dept. of Statistics, University of Florida

Wednesday, April 20, 2011

Sponsors: The Philadelphia and Princeton Chapters of the American Statistical Association and an award from the American Statistical Association

Abstract

Data sets from designed experiments, sample surveys, and observational studies often contain correlated observations due to random effects and repeated measures. Mixed models can be used to accommodate the correlation structure, produce efficient estimates of means and differences between means, and provide valid estimates of standard errors. Repeated measures and longitudinal data require special attention because they involve correlated data that arise when the primary sampling units are measured repeatedly over time or under different conditions. Normal theory models for random effects and repeated measures ANOVA will be used to introduce the concept of correlated data. These models are then extended to generalized linear mixed models for the analysis of non-normal data, including binomial responses, Poisson counts, and over-dispersed count data. Methods of assessing the fit and deciding among competing models will be discussed. Accounting for spatial correlation and radial smoothing splines within mixed models will be presented and their application illustrated. The use of SAS System's PROC GLIMMIX will be introduced as an extension of PROC MIXED and used to analyze data from pharmaceutical trials, environmental studies, educational research, and laboratory experiments.

Who Would Benefit?

This workshop is for those who want to learn about the theory and application of linear and generalized linear mixed models. The material is presented at an applied level, accessible to participants with training in linear statistical models and previous exposure to linear mixed models. Some experience with SAS's PROC MIXED would be helpful.

Biographical Sketch

Dr. Linda J. Young is a Professor of Statistics at the University of Florida where she teaches, consults, and conducts research on statistical methods for studies in public health, agricultural, environmental, and ecological settings. Dr. Young has a Ph.D. from Oklahoma State University. She has been a faculty member at Oklahoma State University, the University of Nebraska, and the University of Florida. Dr. Young has more than 100 publications in over 50 different journals, constituting a mixture of statistics and subject-matter journals, and two books with a third one currently in press. A major component of her work is collaborative with researchers in the agricultural, ecological, environmental, and health sciences; she has served on numerous panels for the National Science Foundation and the Environmental Protection Agency. Her recent research has focused on linking disparate data sets and the subsequent analysis of these data using spatial statistical methods. Dr. Young is a recipient of the American Statistical Association's Founders Award, a fellow of the American Statistical Association and an elected member of the International Statistical Institute.

Registration: \$80 (\$50 for full-time students) includes food and drinks

Location: Room 116, University of Pennsylvania School of Nursing, Claire M. Fagin Hall, 418 Curie Blvd, Philadelphia PA 19104
(Map and parking information will be available on the registration website).

Schedule (4/20/11)

- | | |
|------------------|--|
| 8:00 - 8:30 AM | Breakfast: Coffee, juice, and muffins available |
| 8:30 - 10:10 AM | Fixed and Random Effects
Split plot analysis
Linear Mixed Models and Generalized Linear Mixed Models |
| 10:30 - 12:00 PM | Modeling the Covariance Structure in a Repeated Measures Setting |
| 12:00 - 1:00 PM | Box Lunch (select choice during registration) |
| 1:00 - 2:30 PM | Accounting for Spatial Variability |
| 2:50 - 4:00 PM | More Advanced Correlation Structures |

Additional information, including the link to the registration website, will be sent via e-mail and will be on the ASAP website.

NETWORKING EVENT

Plans are in progress to hold our first networking event (see December 2010 newsletter) after the Mixed Model course on April 20th. It will also be held at the School of Nursing. Please stay after the course or join us afterwards to relax and meet your colleagues. Details will be forthcoming. Stay tuned!

University of Pennsylvania Annual Conference on Statistical Issues in Clinical Trials

Emerging Statistical Issues in the Conduct and Monitoring of Clinical Trials.

April 13, 2011

University of Pennsylvania School of Medicine
Biomedical Research Building Auditorium
421 Curie Boulevard
Philadelphia, PA 19104

Faculty	Institution	Topic
Janet Wittes	Statistics Collaborative, Inc.	Estimation of Effect Size in Trials Stopped Early
Barbara C. Tilley	University of Texas School of Public Health	Sample Size Estimation Incorporating Disease Progression
Xiaoxi Zhang	Pfizer	Predicting Accrual in Ongoing Trials
Stephen George	Duke University School of Medicine	Panel Discussion I
George Williams	Amgen, Inc.	
Kay Dickersin	Johns Hopkins Bloomberg School of Public Health	
Steve Kimmel Andrea Troxel	University of Pennsylvania School of Medicine	
Marc Buyse	Universiteit Hasselt and International Drug Development Institute	Efficient Source Data Verifications in Cancer Trials
Bryan Shepherd	Vanderbilt University School of Medicine	Accounting in Analysis For Data Errors Discovered Through Sampling
Steven Snapinn	Amgen, Inc.	Some Practical Issues in the Evaluation of Multiple Endpoints
Christopher Coffey	University of Iowa College of Public Health	Hurdles and Future Work in Adaptive Designs
Gordon Lan	Johnson & Johnson	Panel Discussion II
Jim Neaton	University of Minnesota	
Stacy Lindborg	Eli Lilly	

For more information, please visit

<http://www.cceb.med.upenn.edu/biostat/conferences/ClinTrials11/> or contact Donna Zikowitz at zikowitz@upenn.edu or (215) 573-2728. Registration deadline is April 1.

CALL FOR ABSTRACTS: 2011 NEW ENGLAND SYMPOSIUM ON STATISTICS IN SPORTS

Harvard University (Science Center)
Cambridge, Massachusetts
Saturday, September 24, 2011

The 2011 New England Symposium on Statistics in Sports (NESSIS) will be a meeting of statisticians and quantitative analysts connected with sports teams, sports media, and universities to discuss common problems of interest in statistical modeling and analysis of sports data. The symposium format will be a mixture of invited talks, a poster session, and a panel discussion. Students in particular are encouraged to submit abstracts; a \$100 cash prize will be awarded to the best student poster as decided by a panel of judges. The proceedings of the symposium will be published in a special issue of the Journal of Quantitative Analysis in Sports (JQAS).

THE SUBMISSION DEADLINE FOR ABSTRACTS IS JUNE 15, 2011. Please e-mail abstracts as a Word attachment or as plain text by JUNE 15, 2011, to nessis11@gmail.com for consideration to be on the program.

Abstract instructions: Abstracts should be no more than 250 words, and should clearly outline the work that you would like to present. Please indicate whether you would be willing to present your work only as a talk, only as a poster, or either.

Along with your abstract, please include:

- the title of the presentation
- your name
- your affiliation
- whether you are a student (for poster competition eligibility)
- a contact e-mail address

Decisions for accepting abstracts will be made by June 30, 2011.

StatDNA Soccer Analytics Research Competition

NESSIS sponsor StatDNA will be holding a research competition in which contestants can submit research papers based on over 400 games of touch-by-touch data from the Premier League and Brazil's first and second division. The competition winner will be awarded \$500 plus airfare and hotel to the 2011 NESSIS, and will be invited to give an oral presentation of the research at NESSIS. For more details, please visit the official competition web site at <http://research.statdna.com/>.

Further details of the 2011 NESSIS, including registration information, are forthcoming. Complete up-to-date information will be posted at the 2011 NESSIS web site: <http://www.amstat.org/chapters/boston/nessis11.html>

Please contact Mark Glickman (mg@bu.edu), Jason Rosenfeld (jwrosen@fas.harvard.edu), or Scott Evans (evans@sdac.harvard.edu), the co-organizers of the symposium, with any questions.

Philadelphia Chapter ASA Treasurer's Report March 15, 2011

BALANCE FORWARDED (06/12/10):	(including \$22 cash)	\$2,534.02
 <i>INCOME:</i>		
ASA Chapter Dues		
April, 2010	\$306.00	
May, 2010	\$433.00	
June, 2010	\$358.00	
July, 2010	\$270.00	
August, 2010	\$221.00	
September, 2010	\$190.00	
October, 2010	\$276.00	
November, 2010	\$362.00	
December, 2010	\$220.00	
January, 2011	\$429.00	
<i>Subtotal</i>		\$3,065.00
 Other Revenue Sources		
Summer Meeting Registration	\$641.09	
Transfer from Google account	\$1,000.00	
MWG - registration	\$1,819.30	
MWG - deposit refund	\$250.00	
Newsletter/website Ads	\$900.00	
<i>Subtotal</i>		\$4,610.39
 <i>TOTAL INCOME:</i>		 \$7,675.39
 <i>EXPENSES:</i>		
Summer Course Room/Catering	\$1,405.64	
MWG catering	\$3,335.25	
MWG Sedgeley costs	\$990.00	
PA Poster competition sponsorship	\$300.00	
Purehost/Server/Surveymonkey	\$432.45	
Bank charges/checks	\$58.85	
<i>Subtotal</i>		\$6,522.19
 <i>TOTAL EXPENSES:</i>		 \$6,522.19
 BALANCE FORWARDED (3/15/11):		 \$3,687.22

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