
17th Annual Summer Workshop Meeting Notice

Northeastern Illinois Chapter and Chicago Chapter
American Statistical Association

Bayesian Methods in Biostatistics: A Focus on Applications

Presented by Dr. Scott M. Berry, Berry Consultants

DATE: Thursday, July 26, 2001, 8:30am – 4:30pm.

LOCATION: Double Tree Northshore, 9599 North Skokie Blvd., Skokie, IL 60076, TEL. 847-679-7000

RESERVATIONS: Advance reservations are required and must be received by 4 p.m. Thursday, July 19th, 2001. Cancellations can not be accepted after this date, and "no shows" will be billed.

ATTIRE: Business Casual.

FEES:	By July 12th		After July 12th	
	Member†	Non-Member	Member†	Non-Member
Regular	\$65.00	\$70.00	\$75.00	\$80.00
HS Faculty	\$35.00	\$40.00	\$45.00	\$50.00
College Faculty	\$55.00	\$60.00	\$65.00	\$70.00
Student	\$6.00	\$7.00	\$6.00	\$7.00

†Chicago or Northeastern Illinois Chapter Member

PAYMENT: Make checks payable to: Northeastern Illinois Chapter, ASA

REGISTRATION: Please mail, e-mail, or fax (no call-ins) the registration form to:

Harold W. Frush	Phone: (847) 937-5332
D-07B2 AP5N	Fax: (847) 935-3320
Abbott Laboratories	Email:
100 Abbott Park Road	harold.frush@add.ssw.abbott.com
Abbott Park, IL 60064-6070	

PROGRAM:

8:30 — 9:00 Registration and Sign-In
9:00 — 10:30 Introduction to Bayesian Ideas
10:30 — 10:45 Break
10:45 — 12:00 Applications of Hierarchical Models and Predictive Distributions
12:00 — 1:10 Luncheon
1:10 — 2:30 Decision Analysis in Clinical Trial Design; Adaptive Clinical Trial Designs
2:30 — 2:45 Break
2:45 — 3:30 Seamless-Phases Designs; Public Health Vaccine Decision Analysis
3:30 — 4:30 Public Health Vaccine Decision Analysis; Discussion

NORTHEASTERN ILLINOIS CHAPTER MEETING REGISTRATION

Name _____

Name for meeting badge (if different) _____

Department _____

Company _____

Street _____

City/State/Zip _____

Phone (____) _____ E-mail address _____

The above address & phone number are for: Work Home

Full-time student? Yes No Member of ASA Chicago Chapter? Yes No

Send my newsletters/meeting notices via: Email U.S. mail

Tax Identification Number 52-1665956

Directions to the Workshop

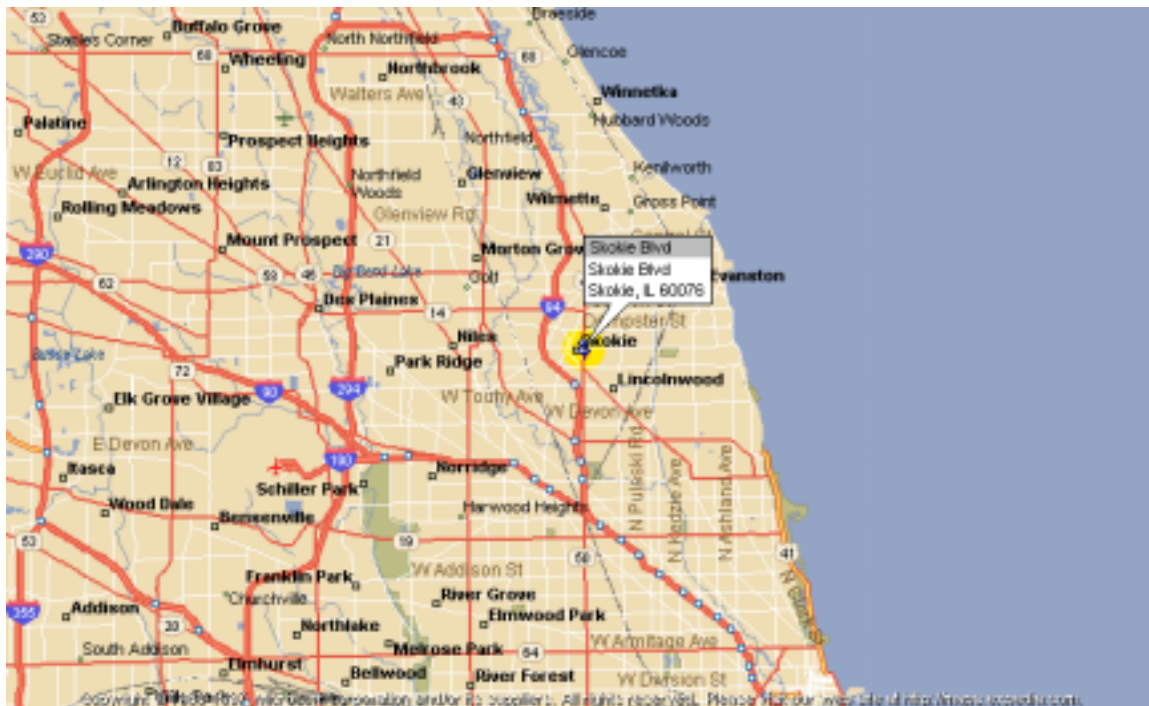
The **Double Tree Northshore Hotel** is located on the southeast corner of the intersection of Golf Road (Route 58) and Skokie Boulevard, opposite the Old Orchard Shopping Center.

FROM DOWNTOWN CHICAGO: 90/94 West to O'Hare/Rockford. At the Junction of 90/94, take 94 North to Milwaukee. Exit at Old Orchard Road. East on Old Orchard Road to Skokie Blvd. South on Skokie Blvd. approximately 1/2 mile to Hotel. The entrance to the Hotel parking lot is on the left, just south of Golf Road.

FROM THE WEST: 90 East to 294-294 North to Dempster St. East on Dempster to Niles Center Rd. (approx. 6 miles). Northeast on Niles Center Rd. to first traffic light. Left (North) onto Skokie Blvd. Continue North on Skokie Blvd. (about 1 mile). Entrance to the Hotel parking lot is on the right, just south of Golf Road.

FROM THE NORTH: 94 South to Old Orchard Rd. East on Old Orchard Road to Skokie Blvd. South on Skokie Blvd. approximately 1/2 mile. The entrance to the Hotel parking lot is on the left just south of Golf Road.

FROM THE SOUTH: 294 North to Dempster St. East on Dempster to Niles Center Rd. (approx. 6 miles). Northeast on Niles Center Rd. to first traffic light. Left (North) onto Skokie Blvd. Continue North on Skokie Blvd. (about 1 mile). Entrance to the Hotel parking lot is on the right, just south of Golf Road.



17th Annual Summer Workshop

Bayesian Methods in Biostatistics: A Focus on Applications

This workshop will focus on applications of Bayesian methods to biostatistics. Many of the examples come from pharmaceutical and medical device clinical development. Bayesian methods are gaining popularity in medical development and with the FDA. Bayesian methods offer many wonderful advantages over classical methods but it also has some drawbacks. I will focus on the implementation of these advantages --- which include predictive distributions, hierarchical models, and decision analysis --- and on the practical problems that may arise.

Scott Berry, Ph.D.
Berry Consultants

Scott M. Berry received his B.S. in mathematics from the University of Minnesota, and his Masters and Ph.D. in Statistics from Carnegie Mellon University. He spent 5 years as an Assistant Professor of Statistics at Texas A&M University, and is currently a Statistical Scientist for Berry Consultants. Dr. Berry's research interests are in Bayesian Statistics, specifically in the design and analysis of clinical trials, hierarchical modeling, Bayesian computation, decision analysis, and applications to sports. Dr. Berry has publications in The Journal of the American Statistical Association, The Journal of the Royal Statistical Society, Statistics in Medicine, and ESPN the Magazine --- including the JASA applications paper of the year several years ago about applications of Bayesian methods to sports data.

~Domenic Reda

President's Report

The Northeastern Illinois Chapter has hosted some extraordinary summer workshops in the past.

This year will be no exception. I would like to commend the Program Committee for a great track record, and in particular, I would like to thank Art Roth for his efforts in lining up this summer's workshop speaker and Domenic Reda for doing all the follow-up work. Please help us spread the word about the workshop to your colleagues. We are hoping for a record turnout.

This year, NIC is extending its reach through a cooperative agreement with the Chicago Chapter as well as other organizations by co-sponsoring events held in the Chicagoland area. For instance, our summer workshop will be co-sponsored by the Chicago Chapter. On behalf of NIC, we would like to extend a warm welcome to all Chicago Chapter members who plan on attending the workshop.

Events co-sponsored with the **Chicago Chapter**:

- A 1-day Conference on Spatial Statistics in the 21st Century held on May 4, 2001.
- Chicago Chapter's Career Day scheduled for Fall, 2001.

Events co-sponsored with the **International Chinese Statistical Association**:

- The ICSA 2001 Applied Statistics Symposium held in Chicago on June 7-9, 2001.

NIC is moving vigorously with other outreach and community activities. Carole Bennett and Dorothy Dunlop put together a workshop for AP Statistics teachers at the end of last year, with Ajit Tamhane speaking on design of experiments. This September, Carole and Dorothy will continue this activity with another workshop for AP Statistics teachers on survey sampling presented by Bruce Spencer. Thanks, Carole and Dorothy, for your continued efforts in developing

a successful program for the AP teachers. Special thanks to Glenn Gabanski, the chair of the math department at Oak Park and River Forest H.S., for his added interest and help with the workshops and for certifying this year's workshop to give Illinois teachers credits toward certificate renewal.

As we continue to expand our outreach activities in the future, we welcome both new and old members to become more involved. Please contact any NIC officer if you are interested.

Hope to see you at the workshop.

~ Donna Kowalski

Summer Workshop

The summer workshop will be held on July 26, 2001, from 8:30am to 4:30pm, at the Double Tree Northshore, 9599 North Skokie Blvd., Skokie, IL 60076. (Telephone: 847-679-7000.) The luncheon menu will be finalized after the newsletter is published. Contact Kathy Feaheny at (847) 982-4510 (or email: kathy.m.feaheny@monsanto.com) if you have special requirements.

~Kathy Feaheny

Program Committee

Elsewhere in this newsletter you will find information about our Chapter's annual summer workshop. As you Chapter veterans know, the summer workshop is our big event of the year and this one promises to live up to the reputation set by previous workshops. Once again we are honored to feature a young up and coming talented statistician. This year, Dr. Scott Berry will present the workshop. In case his name sounds familiar, Scott is the son of Don Berry, an internationally recognized expert in Bayesian statistics. The younger Dr. Berry has emerged in his own right as an expert in Bayesian theory and methods.

In the last decade, there has been an explosion in the development of Bayesian methods for the design, monitoring and analysis of clinical trials. As this area has developed, many statisticians have begun to use these methods, and it is becoming more common to see Bayesian methods used in NDAs filed with the FDA.

In May, I had the opportunity to hear Dr. Berry speak at a workshop at the annual meetings of the Society for

Clinical Trials. He is an enthusiastic, dynamic and knowledgeable speaker, and I eagerly look forward to hearing him speak again at the workshop. You don't want to miss this one.

Looking ahead, the plans for the fall meeting are nearly in place. The meeting will be held on October 4, and the tentative program includes Dan Holder from Merck, who will speak about genomics, Matt Hutmacher from Pharmacia, will speak on pharmacokinetics or pharmacodynamics, and Kathy McFadden from Northern Illinois University, who will speak on airline safety. Stay tuned for more details on the fall meeting in the next newsletter.

~Domenic Reda

Second Annual Workshop for AP Statistics Teachers

In response to the very positive reception of first NIC/ASA workshop for Advanced Placement (AP) statistics teachers, a second workshop will be offered. The purpose of the workshop is to provide local Chicago area high school teachers with a "refresher" course on a selected statistical topic. Representatives from NIC/ASA and Chicago area AP high school statistics teachers jointly planed the workshop. The success of the first workshop largely reflected the excellent presentation on design of experiments by Professor Ajit Tamhane of Northwestern University, a past president of NIC/ASA, who kindly donated his time.

Professor Bruce Spencer, Chairman of Statistics at Northwestern University, has generously volunteered to lead the second workshop, which will be on sample surveys. This half day workshop will be hosted at Northwestern University on September 15, 2001. The State Teacher Certification Board of the Illinois State Board of Education will offer credit towards certificate renewal for teachers who attend the workshop, thanks to efforts coordinated by Glenn Gabanski, an AP statistics teacher at Oak Park & River Forest High School.

A volunteer from NIC/ASA is needed on Saturday morning September 15 to register teachers and to help with the setup of the workshop. If you are interested, please contact Dorothy Dunlop via phone (847-467-1622) or email (ddunlop@northwestern.edu).

~Dorothy Dunlop

Community Activities

For the second year in a row, Dorothy Dunlop and I went to the State Science Fair in Champaign and awarded "The Best Use of Statistics Award" to students enrolled in the Health Science Category and Behavioral Science Category. This is a wonderful event to attend because we are looking at the best projects in the state. This year we presented awards to Elliott Weiss of Niles North High School, Kara Perlen of Lincoln Hall Middle School, and Justin Eusebio, also of Lincoln Hall Middle School. Elliott and Kara were in Behavioral Sciences and Justin was in the Health Sciences Category. We congratulate them all and wish them the best of luck as they continue on to high school and college.

It is amazing to see how junior high students are able to explain Chi-Square and t-tests along with p-values. If anyone would like to judge in March at the Regional fair or downstate in May at the State Fair, please join us. It is a rewarding experience. The dates of both upcoming fairs will be mentioned in the Fall Newsletter.

~Carole Bernett

Awards & Recognition

The spring meeting book raffle winners were Chuck Oprian and Yunfan Deng (student). The book awarded was "An Introduction to Mathematical Statistics and Its Applications" 3rd edition, by Richard J. Larsen and Morris L. Marx, Prentice-Hall, Inc., 2001.

~Sam Hedayat

Chapter Webpage

Don't forget to visit our Chapter web page at <http://homepage.interaccess.com/~mlcarn/nic.htm>. The page can also be accessed by following links found on the main ASA webpage (www.amstat.org). Select *ASA Directories*, then *Chapter Links*, and then click on *Northeastern Illinois*.

The Chapter webpage has lots of information about our Chapter, including events, program information, a membership directory, and contact information for Chapter officers and committee members. You can also peruse PDF versions of current and past Chapter newsletters.

Many thanks to Paul, and to our previous Webmasters, Phil Pichotta and Mike Carniello, for maintaining and updating our Chapter web page!

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diverse views are presented. They do not necessarily reflect the opinions of the officers or the policies of the Chapter.

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Statfax welcomes letters and material for articles from its readers. Address correspondence to: The Editor, Statfax, c/o Anita Ross, Ross Consulting, 4554 Main St., Skokie, IL, 60076.

The Chapter’s purpose, as stated in its Constitution, is “to foster statistics and its applications and promote the interests of the statistical profession...”. Accordingly,
