

23rd Annual NIC-ASA Summer Workshop

Thursday, June 14, 2007, 8:30 AM – 4:30 PM

(Registration 8:30 – 9:00)

Doubletree Hotel & Conference Center, Chicago North Shore

9599 Skokie Boulevard

Skokie, Illinois, United States, 60077

Phone: (847) 679 7000

Sample-Size Analysis for Study Planning

***Presented by Dr. Ralph O'Brien
The Cleveland Clinic Foundation***

Course Description

Performing a conscientious sample-size analysis is often a cornerstone of effective study planning, because the research team (including the statistician) must delineate, critique, and tighten the specific aims, research questions, design, measurements, and analysis plans. This highly-interactive course uses realistic case studies to cover the scientific/statistical principles and general consulting pragmatics associated with such work. Issues of statistical science are stressed far more than mathematical and computational underpinnings. Although all analyses covered are traditional (frequentist), we show how a simple Bayesian notion ("The March of Science") helps to clarify and shape the planning process for investigators, statisticians, and peer reviewers. All examples employ SAS9 procedures and freeware, but participants also see how the same calculations are performed using PASS and nQuery Advisor along with a simple Excel spreadsheet developed/distributed by the instructor. Much of this course is based on O'Brien RG, Castelloe JM (2007), "Sample-Size Analysis for Traditional Hypothesis Testing: Concepts and Issues," in Dmitrienko A, Chuang-Stein C, D'Agostino R (Ed.), *Pharmaceutical Statistics Using SAS: A Practical Guide*, Cary, NC: SAS Press, 237-271.

Presenter

Dr. Ralph O'Brien is currently a professor in the Department of Quantitative Health Sciences and the Lerner College of Medicine at the Cleveland Clinic Foundation. His career in statistics is broad, beginning in behavioral statistics (Psychology Dept., University of Virginia, 1975-82), then moving more to the mainstream (Statistics Dept., University of Tennessee, 1982-89), and then to biomedicine (Division of Biostatistics, Department of Statistics, University of Florida, 1989-94), where Dr. O'Brien was Director of Biostatistics. He is the creator of "O'Brien's test" for variance differences, performed by both SAS® (PROC GLM) and JMP®. However, his main contributions have been in promoting more effective sample-size analyses for study planning. His freeware module, UnifyPow.sas, is used all over the world, and he now consults intensively with SAS personnel who are developing PROCs POWER and GLMPOWER and other such tools. He has given over 25 workshops on sample-size analysis to over 2000 people, and his continuing education courses at annual Joint Statistical Meetings earned him an "Excellence-in-CE" award from the American Statistical Association. He currently serves on the ASA's

Program

Registration 8:30 – 9:00

Workshop 9:00 –10:20

Break 10:20 –10:40

Workshop 10:40 – 12:00

Luncheon 12:00 – 1:10

Workshop 1:10 – 2:30

Break 2:30 – 2:50

Workshop 2:50 – 4:30

Registration
Northeastern Illinois Chapter
American Statistical Association

RESERVATIONS: Advance reservations are required and must be received by 4 PM June 7 2007. Cancellations cannot be accepted after this date, and "no shows" will be billed.

ATTIRE: Business Casual.

FEES:	Sessions Only		NIC
	Member	Non-Member	Membership Only
Regular	\$150.00	\$155.00	\$5.00
Full-time Student	\$35.00	\$36.00	\$1.00

Since membership is held on a calendar year basis, if you have not expressly joined the Chapter this year, you should pay the non-member rate. Doing so will make you a member for 2007.

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

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

Zhen Zhao	Phone: (224) 554-6364
Takeda Global Research & Development	Fax: (224) 554-7861
One Takeda Parkway	Email: zzhao@tgrd.com
Deerfield, IL 60012	

NORTHEASTERN ILLINOIS CHAPTER MEETING REGISTRATION/MEMBERSHIP DUES

Name _____

Company _____ Department _____

Street Address _____ Work ____ Home ____

Telephone (____) _____ Work ____ Home ____ E-mail address _____

I will not be attending the meeting and am enclosing my ____ Membership Dues Only.

2007 NIC/ASA member prior to this registration? (See FEES for details) ____ Yes ____ No

Circle one of the following: (1) Regular (Corp./Govt.); (2) Academic (Univ./H.S.); (3) Full-Time Student

Tax Identification Number 52-1665956

Directions

Doubletree Hotel & Conference Center, Chicago North Shore
9599 Skokie Boulevard
Skokie, Illinois, United States, 60077
Phone: (847) 679 7000

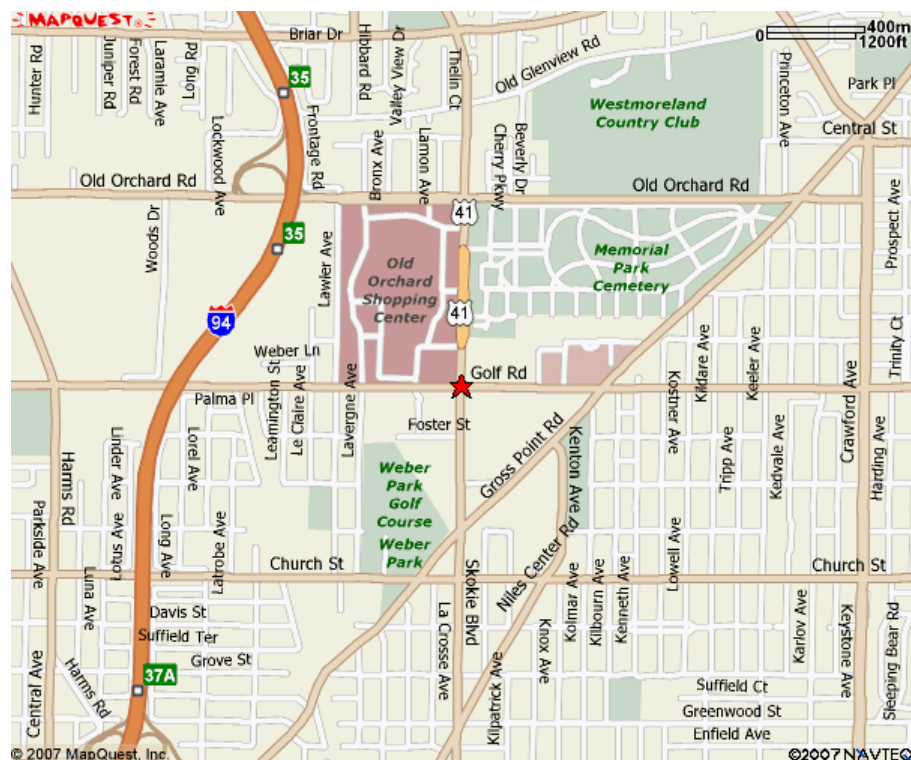
From O'Hare Airport: Follow sign "Exit to City" for 1.5 miles. Exit I-294 (to Milwaukee). Exit Dempster-East, to Potter Rd.-turn left, to Golf Rd.-turn right. Approx. 8 mi. to Skokie Blvd.-turn right. The Doubletree Hotel and Conference Center Chicago North Shore is at the intersection of Golf Road and Skokie Blvd.

From North: I-94 East, exit Old Orchard road. Turn East onto Old Orchard Rd. Travel 4 blocks and turn south onto Skokie Blvd. The hotel is on the southeast corner of Skokie Blvd. and Golf Rd.

From South: I-90/I-94 (Edens Expressway) west to Old Orchard Rd. Exit east and travel 4 blocks to Skokie Blvd. Turn right and travel 4 blocks to the intersection of Golf Road and Skokie Blvd.

From East: Sheridan Road to Howard St. turn left, Howard Street to Skokie Blvd. turn right. Continue down Skokie Blvd. until you reach Golf Rd. Located at the Southeast corner of Skokie Blvd. and Golf Rd.

From West: Exit I-294 (to Milwaukee). Exit Dempster-East, to Potter Rd.-turn left to Golf Rd.-turn right. Approx. 8 mi. to Skokie Blvd.-turn right. The Doubletree Hotel and Conference Center Chicago North Shore is at the intersection of Golf Rd. and Skokie Blvd.



Chapter website

<http://www.amstat.org/chapters/NortheasternIllinois>

Chapter Mailing List: email [LISTSERV @ MAIL.AMSTAT.ORG](mailto:LISTSERV@MAIL.AMSTAT.ORG), with "SUBSCRIBE NIC-L" (without quotes) as the message