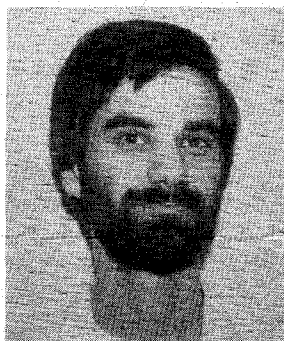


Estimating the Effect of Emissions Strategies on Wet Deposition of Sulfates

No program of public policy issues would be complete without addressing the environment and the important role statistics can play in dealing with the need to identify and reduce pollution and emission. At our November luncheon, Dr. Michael Stein, who is actively involved in researching problems of air pollution and emission control, will discuss how some of these issues have been addressed. The luncheon will be held on Tuesday, November 13, 1990 at the Midland Hotel, 172 West Adams at LaSalle in downtown Chicago. Registration will start at 11:45 a.m. and lunch will be served starting at noon.



Dr. Stein will discuss a computer model, Regional Acid Deposition Model (RADM), that has been created to study some environmental effects of emission reduction strategies on acid deposition. In the model, results from computer simulations are combined with actual data from daily monitoring at select locations. This approach provides a much more precise and possibly much less biased estimation of the effect of the change of emissions on wet deposition than would be possible using computer simulation alone.

Although his work investigates only the changes in wet sulfate deposition, the same procedures can be extended to any other component of precipitation computed by RADM and measured at a monitoring site at least daily.

Dr. Stein is an Associate Professor of Statistics at the University of Chicago. He completed work last year on a grant from the Environmental Protection Agency and is currently working on another from the National Science Foundation with Stephen Stigler and Wing Wong.

Although Dr. Stein's research has focused on

environmental issues, he has also published extensively on a variety of statistical topics. Among his awards, Dr. Stein is a National Science Foundation Mathematical Sciences Postdoctoral Research Fellow and is a member of the Atmospheric Sciences Advisory Committee for the Electric Power Research Institute. He has been invited to address the business, research, science, and academic communities both here and abroad and is very active in developing new scientific and statistical principles in environmental research.

To make reservations, call Sheila Proietti, (312) 727-4373, or Kenneth Wollenberg, (312) 727-7575, by **noon**, Friday, November 9, 1990. The cost is \$20 for members and \$22 for non-members. If you make reservations and then are unable to attend, please let Kenneth know, since the Chapter must pay for luncheons prepared for no-shows.

As usual, the Chapter's Lucile Derrick Fund will purchase a limited number of luncheon tickets for students who wish to attend.

Chicago ASA Computer Help Line: A Call For Volunteers

As a service to the Chicago statistics-user community, the Chicago Chapter of the American Statistical Association is forming a "Chicago ASA Help Line." The Help Line listing, which will appear periodically in the *Parameter*, is modeled after the one established by the Chicago Computer Society, in that it will list by Help Line Category the phone numbers of volunteers who will answer your statistical software-related questions. A typical entry will appear as:

CATEGORY

Name of Volunteer	Time available	Phone number
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This service is focused only on questions relating to *statistical software* and not on questions

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relating to statistical procedures and their use in data analysis. The categories will be of four sorts:

1. Statistical packages

(BASS, BMD, CSS, DATADESK, ECHIP, EGRET, MINITAB, NCSS, PRODAN, RATS, RESAMPLING STATS, S and S-PLUS, SAS, SCA, SPSS, STAT, STATGRAPHICS, STATPAK, StatXact, SYSTAT, TSP . . .)

One may even specialize to be a volunteer on a subcategory within a package, e.g., "use of icons in SYSTAT's SYGRAPH."

2. Statistical application areas

To volunteer for an application area in this category, one must be acquainted with many (more than one, anyway) of the major packages which perform this application (factor analysis, survival analysis, factorial design, discriminant analysis . . .)

3. Statistically oriented programming languages

(GAUSS, S, SAS, SPEAKEASY . . .)

4. Hardware/operating systems/peripherals as they effect the use of statistical packages

(386, PS/2, MICROVAX . . .)

(DOS, OS/2, UNIX, MVS, CICS . . .)

(HP LaserJet . . .)

Following is what will appear at the head of the list of category volunteers in each issue of the Help Line:

"The following Chicago Chapter ASA members have volunteered to answer your statistical software-related questions. Volunteers should be expected to answer only questions relating to *statistical software* and not questions relating to statistical procedures and their use in data analysis.

"Don't be shy about using this valuable resource; it's one of the best services that the Chicago ASA provides to the Chicago statistical community. But please use this service wisely. Treat these volunteers as you would like to be treated yourself. Before you call them, try to isolate your problem as best you can and check your documentation. (Don't expect any help if your software is an illegal copy and you have no documentation!) Remember, also, that some of the software vendors have their own help lines, so that they should be availed of before calling on our volunteers. Try not to take up more than a few minutes of a volunteer's time. Don't expect answers which require a lot of time to provide, or specific answers to matters involving complex issues.

"The Help Line is not intended to provide volunteers to give advice on issues that would otherwise entail the engagement of a paid consultant. You should be aware, though, that some of these volunteers are consultants in their

area of expertise and that their voluntary help may evolve into a consulting engagement.

"That this is a Chicago ASA service in no way implies that the Chapter warrants the service offered. Chicago ASA has not checked the volunteers to see if they really do know their stuff, so you're on your own with any advice received."

If you are interested in volunteering to answer questions in any Help Line category, write or call Help Line Editor Linda Clark at LMC Consulting Co., 1127 Dartmouth Rd., Flossmoor, IL 60422-1639; (708) 798-0677.

Seminar Schedules

Chicago Chapter, ASA

Luncheon seminars are the second Tuesday of each month at the Midland Hotel, 172 West Adams in downtown Chicago. Registration starts at 11:45 a.m. and lunch is served at noon.

Dec. 11 — Nick Panagakis, Market Shares Corp., "Surveying the Political Environment: Election Surveys."

Jan. 8 — Jon Miller, Northern Illinois University, "Statistics in Educational Issues."

Feb. 12 — Blake Le Baron, University of Wisconsin, "Applications of Chaos."

Northern Illinois Chapter, ASA

Nov. 13 — Luncheon and business meeting at noon, followed by program at 1:15 p.m. Allgauer's Hotel, 2855 Milwaukee Ave., Northbrook. The cost is \$25 for members, \$30 for non-members. To register, contact Tom Carr at (708) 506-2304 by Nov. 6th or mail Tom a check payable to the *Northern Illinois Chapter, ASA*, c/o The NutraSweet Company, 601 E. Kensington Rd., Mt. Prospect, IL 60056.

The program is: "Active Life Expectancy: a Tricky Survival Analysis," by Rick Chappel, Assistant Professor of Statistics and Oncology, University of Wisconsin, Madison.

"Training Non-Statisticians in Statistics: a Panel Discussion." Chair: Harold Sargent, Manager, Applied Statistics, Baxter Healthcare Corporation. Panelists: Robert Anderson, Associate Professor of Biometry, University of Illinois at Chicago; Stan Armitage, Group Leader, Technical Systems, NALCO Chemical Co.; Joan Chmiel, Associate Professor and Director, Cancer Center Biometry Section, Northwestern University Medical School; Roberto Mercado, Manager, Nonclinical Statistics, Abbott Laboratories; and Paul von Doehren, Director, Preclinical Statistics, G.D. Searle.

"Relating Modern Quality Improvement Ideas to Survey Design," by Joseph Garrett, Director, Statistical Research for Retail Stores, A.C. Nielsen Company.

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Statistics Department University of Chicago

Seminars are at 4 p.m. in Eckhart Hall, Room 133, 5734 University Ave. For more information, call Per Mykland at (312) 702-7554

Oct. 29 — Philip Stark, Department of Statistics, University of California, Berkeley, "Inference in Infinite Dimensional Inverse Problems."

Nov. 5 — Robert Kass, Department of Statistics, Carnegie Mellon University, "Diagnosing Non-normality of Maximum Likelihood and Posterior Distributions."

Nov. 12 — Grace Wahba, Department of Statistics, University of Wisconsin, Madison, topic to be announced.

Nov. 19 — J. K. Ghosh, Indian Statistical Institute and Purdue University, "Stochastic Model for Discovery of Oil and Related Questions."

Dec. 4 — Nan Laird, Department of Biostatistics, Harvard University, topic to be announced.

Econometrics and Statistics Colloquium University of Chicago

Meetings are Wednesdays, 3:30-5:00 p.m. (except as noted), Rosenwald Hall, Room 405. For further information, call Pam Eckert at (312) 702-1913.

Nov. 7 — Takeaki Kariya, Hitotsubashi University and University of Chicago, "Testing the Random Walk Hypothesis for Japanese Stock Prices in Taylor's Model."

Nov. 14 — John Geweke, University of Minnesota, "Statistical Inference Using the Simulated Multinomial Likelihood Function."

Nov. 19 — J. K. Ghosh, Indian Statistical Institute

and Purdue University, "Stochastic Model for Discovery of Oil and Related Questions." *Note:* Seminar is on a Monday at 4:00 p.m. in Eckhart Hall, Room 133. Joint with the Department of Statistics.

Nov. 28 — Nicholas M. Kiefer, Cornell University, "Bayesian Analysis of Chaotic Systems."

Dec. 5 — Robert McCulloch and Peter Rossi, University of Chicago, "Odds Ratios for Non-Linear Hypotheses."

Department of Statistics Northwestern University

All seminars are at noon in the Statistics Department, 2006 Sheridan Road in Evanston.

Oct. 31 — Steve Jost, DePaul University, "Some Issues in Non-Parametric Regression."

Nov. 14 — Richard E. Neapolitan, Northeastern Illinois University, "Probabilistic Inference in Expert Systems."

Nov. 28 — Theodora Cohen, Northwestern University, topic to be announced.

Editor: Kathy Morrissey

(708) 564-6380

Parameter, the official newsletter of the Chicago Chapter of the American Statistical Association, is published 11 times per year as a service for its members. Materials for publication should be submitted to the editor at Household Bank — 2N, 2700 Sanders Rd., Prospect Heights, IL 60070. **Deadline for the December Parameter is Nov. 19.**

Parameter offers a free placement service for ASA Chicago Chapter members. Job applicants should send a draft of their advertisement and a resume to the editor at the above address. Applicant names will remain confidential if requested.