

TEACHING OF STATISTICS IN THE HEALTH SCIENCES

Section of the American Statistical Association

JULY 1993

EDITOR'S NOTES

This issue simply presents the agenda for our section at the 1993 annual Joint Statistical Meetings in San Francisco. I am pleased to say that our section has increased the number of contributed papers/posters over last year. It would be nice if we could maintain an increasing number of contributions in the future. The members should extend our thanks to those who have contributed. The section is also co-sponsoring several sessions and has invited and roundtable meetings lined up. Remember the general business meeting at 6:00 p.m. Tuesday.

We need some material for future newsletters! One idea is to review some of the software designed as tutorial programs in Biostatistics. I have received several requests about this type of educational material; it would be helpful if the section could respond with such a review. If anyone has ideas or skills that could improve or facilitate the newsletter please let us know. In addition, if anyone wants to take over editing the Newsletter please feel free to step forward and be heard. The Newsletter may need some new blood. At present there are about 715 paying subscribers to the Newsletter/Section, and we need to know what this group would like to do in the future.

See you in San Francisco.

Steve Verhulst

Preliminary Program Joint Statistical Meetings

Section on Teaching Statistics in the Health

Sciences

San Francisco Hilton Parc Fifty-Five

San Francisco, California August 8-12, 1993

NUMBER 39

Monday, August 9, 10:30 a.m. - 12:20 p.m. INNOVATIONS IN TEACHING: HOW CAN WE IMPROVE THE COMMUNICATION SKILLS OF STUDENTS? - Invited Papers

Section on Statistical Education, Section on Teaching of Statistics in Health Sciences

Organizer: NOREAN RADKE SHARPE, Bowdoin Coll.

Chair: BARBARA MCKNIGHT, U of Washington

(10:35) Communication: Statistical Task & Statistical Tool. LINCOLN MOSES, Stanford U (11:00) Lessons We Can Learn from Recent Research on Teaching: It's Not Just the Form, It's the Intent. JUDITH D. SINGER, JOHN B. WILLETT, Harvard U

(11:25) Writing and Statistics: Strange Bedfellows? TORI HARING-SMITH, Brown U

(11:50) Disc: DONALD L. BENTLEY, Pomona Coll.

(12:05) Floor Discussion

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Monday, August 9, 2:00 p.m. - 3:50 p.m
CONTINUING EDUCATION IN STATISTICS AND
EPIDEMIOLOGY - Invited Papers

Section on Teaching of Stat. in Hlth. Sci., Bio. Sec., ENAR-WNAR, Sec. on Epidemiology, Sec. on Stat. Educ.

Chair/Organizer: STANLEY P. AZEN, U of Southern California

(2:05) Continuing Education in Biostatistics and Epidemiology at NIH. VICTOR KIPNIS, NCI

(2:30) The Short Course. **THEODORE** COLTON. Boston U (2:55) A Guide to the Design, Conduct and Analysis of Clinical Trials, With Computer Software. JOYCE C. NILAND, City of Hope Med. Ctr. (3:20) Disc: THOMAS C. CHALMERS, Harvard SPH

DON'T FORGET SECTION MEETINGS:

TUESDAY, AUGUST 10, 7:00 AM: SECTION
ON THE TEACHING OF STATISTICS IN THE
HEALTH SCIENCES
EXECUTIVE COMMITTEE

TUESDAY, AUGUST 10 6:00 P.M.:
SECTION ON THE TEACHING OF
STATISTICS IN THE HEALTH SCIENCES
BUSINESS MEETING

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Tuesday, August 10, 2:00 p.m. - 3:50 p.m.
TEACHING STATISTICS IN THE HEALTH SCIENCES:
AIDS AND EXAMPLES - Contributed Papers
Sec. on Teaching of Stat. in Hlth. Sci., Sec. on
Epidemiology

Drug Users in San Juan, Puerto Rico.

H.M. COLON, P.R. ROBLES, HARDEO

SAHAI, T.D. MATOS, U of Puerto Rico.

Chair: TAMARA ODOM-MARYON, City of Hope Med.

Ctr. (2:05)Teaching Bayes' Theorem Using Paper Dolls. HENRY B. SLOTNICK, U of North Dakota (2:20)Introductory **Biostatistics** and Epidemiology Instruction at the University of Louisville School of

Number 154

(3:35) Floor Discussion

Tuesday, August 10, 12:00 p.m. - 2:00 p.m. POSTER SESSIONS - Contributed Papers (Letter indicates booth assigned)
Sec. on Teaching of Stat. in Hlth. Sci.

- O. Type I Error Estimates & Effects of Cox Model Selection in Colon Cancer Data Set. CATHERINE M. TANGEN, THOMAS R. FLEMING, Southwest Oncology Group, CHARLES G. MOERTEL, Mayo Clinic.
- P. A Factor Analysis Approach to Modelling AIDS Risk Behaviors Among Injection

Medicine. STEPHEN W. LOONEY, R. PRASAAD STEINER, U of Louisville. (2:35) Improved ANCOVA Test. ABBESS RAJIA, U of Vermont, HOWARD H. STRATTON, SUNY, Albany

(2:50) Modelling Anthropometric Data in Developing Countries. MAGUED I. OSMAN, Emirates U

(3:05) Which Cholecystectomy Patients May Need Common Bile Duct Exploration? FATEN F. ELZEKY, Memphis State U, J. C. HALL, Baptist Memorial Hosp., M.A. ELTORKY, U of Tennessee, Memphis

(3:20) Tests for Special Structures on the Dispersion Matrix Associated with a Two-Way Mixed Model. H.I. PATEL, Berlex Labs, Inc.

(3:35) Floor Discussion

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Tuesday, August 10, 4:00 p.m. - 5:50 p.m. ASSESSMENT ISSUES RELATED TO TEACHING AND LEARNING STATISTICS - Invited Papers Sec. on Stat. Educ., Sec. on Teaching of Stat. in Hlth. Sci.

Organizer: JOAN B. GARFIELD, U of Minnesota

Chair: DAVID S. MOORE, Purdue U (4:05) What Should We Assess? JOAN B.

GARFIELD, U of Minnesota

(4:30) Feeling Certain about Uncertain Things: The Role of Beliefs and Attitudes in Learning Statistics. IDDO GAL, U of Pennsylvania (4:55) Issues in Assessing Conceptual Understanding in Probability and Statistics. CLIFFORD KONOLD, U of Massachusetts (5:20) Disc: GEORGE W. COBB, Mount Holyoke Coll. (5:35) Floor Discussion

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Wednesday, August 11, 10:30 a.m. - 12:20 p.m.

STATISTICAL GRAPHICS AND ANIMATION FOR INSTRUCTION/CLASSROOM - Invited Papers Sec. on Stat. Graph., Sec. on Stat. Educ., Sec. on Teaching of Stat. in Hlth. Sci., IMS Chair/Organizer: JOE NEWTON, Texas A&M U

(10:35) Integrating Dynamic Graphics into a

Linear Regression Course. SANFORD WEISBERG, R. DENNIS COOK, U of Minnesota

(11:05) Exploratory Dynamic Graphics for Survival Data. E. NEELY ATKINSON, M.D., Anderson Cancer Ctr.

(11:35) Methods for the Analysis of Data from Designed Experiments. WEI-YIN LOH, U of Wisconsin (12:05) Floor Discussion

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Thursday, August 12, 8:30 a.m. - 10:20 a.m. TEACHING OF STATISTICS IN THE HEALTH SCIENCES USING A GEOMETRIC APPROACH - Invited Papers

Sec. on Teaching of Stat. in Hlth Sci., Sec. on Stat. Educ., Sec. on Stat. Graph

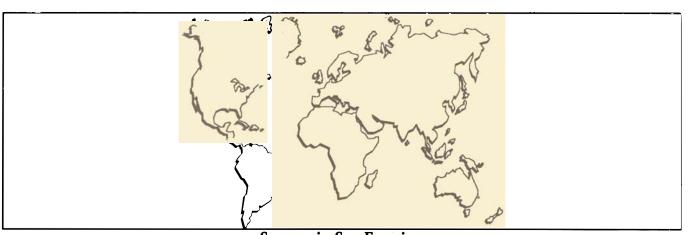
Chair/Organizer: RICHARD CHAPPELL, U of Wisconsin, Madison

(8:35) Direction: The Invisible Player. ROBERT E. JOHNSON, Virginia Commonwealth U, DAVID G. HERR, U of North Carolina, Greensboro

(9:00) Teaching the Geometry of Nonlinear Models. DOUGLAS M. BATES, U of Wisconsin, Madison

(9:25) Understanding Chi-Squared, Consistency, and Efficiency. ROBERT E. KASS, Carnegie Mellon U

(9:50) Disc: PETER B. IMREY, U of Illinois (10:05) Floor Discussion



See you in San Francisco
(This map not to be used for navigational purposes.)

Teaching of Statistics in the Health Sciences

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This newsletter will publish official notices, articles, book reviews, descriptions of research in progress, reviews of research, letters, and announcements judged to be of interest to members of the subsection. Materials and manuscripts should be submitted to:

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