

President: Morris Goldman
V.P. & Pres. elect: Marie Eldridge
Past President: Joseph Waksberg
Sec. Treas.: Charles Jones
Representatives-at-large:
Barbara Bailar
David Hulett
Joseph Steinberg
District 3 Rep. to A S A:
Beatrice N. Vaccara
Methodology Section:
Chair: Jay Herson
Program: Frederick Scheuren

Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



Program Committees:
Agriculture: Fred Vogel
Computer Technology: Richard Taeuber
Economics: Jerome Mark
Phys. & Engrng: Seymour Selig
Public Hlth & Biost.: Tavia Gordon
Soc. & Dem.: Daniel Levine
Arrangements Comm.: Solomon Loew
Employment Comm.: Marie Eldridge
Membership Comm.: Harold Nisselson
Publicity Comm.: Maury Cagle

NEWSLETTER-APRIL 1976

April 14 - Adjusting for Noninterview Nonresponse on Surveys
April 21 - Adapting Classical Methods to Time Series Problems
April 27 - Are Women Getting What They're Worth - or Are
They Worth What They're Getting?

METHODOLOGY PROGRAM

Topic: Adjusting for Noninterview Nonresponse on Surveys

Speakers: David Chapman, Westat, Inc.
Leroy Bailey, Bureau of the Census
Dwight French, National Center for Health Statistics

Chairman: Bennie Clemmer, Social Security Administration

Discussant: Leslie Silverman, National Center for Education Statistics

Imputation techniques for survey noninterviews vary considerably. This session will begin with a general discussion of nonresponse adjustment procedures. The speakers will then present several specific applications of noninterview nonresponse adjustment, drawing on their work with recurring and one-time surveys.

When and Where: Wednesday, April 14, 1976, 12:30 P.M. to 2:00 P.M. Tower Building, Basement Conference Room, 14th & K Streets, N.W. (To gain entrance to building, show guard a copy of this newsletter or Government ID, or sign in with the guard.)

UPDATE ON STATISTICAL SOFTWARE PACKAGES

The Computer Technology Section, in response to several suggestions, will have a working meeting of those interested in helping update the recently presented evaluation of locally available statistical software packages on time-sharing services. The meeting will be Friday, April 30, at 12:30 -- place to be determined by the number attending. If you are interested in participating in this update, please call R. E. Mellen at 872-0580 or J. R. Norsworthy at 523-9267 prior to April 23.

PHYSICAL SCIENCE AND ENGINEERING PROGRAM

Topic: Adapting Classical Methods To Time Series Problems

Speaker: Robert Shumway, George Washington University

Chairman: Joseph Gastwirth, George Washington University

Replicated time series are routinely available in the physical sciences as outputs of seismic or acoustic arrays or in medicine as encephalographic recordings of brain waves. A number of detection and classification problems for such signal generating phenomena may be analyzed as applications of multiple regression or discriminant analysis.

The speaker will illustrate the application of the above methods to time series data with several examples. The first uses stepwise regression to resolve a collection of plane waves propagating across a seismic array. A second example uses spectral analysis of variance and linear filtering techniques to discriminate between brain wave patterns in two IQ groups.

When and Where: Wednesday, April 21, 1976, 12:30 to 2:00 P.M.
George Washington University, Room 202, Bldg. C
2201 G. Street N.W., Washington, D.C.

JOINT ECONOMICS AND SOCIAL AND DEMOGRAPHIC PROGRAM

Topic: Are Women Getting What They're Worth - or Are They Worth What They're Getting?

Speakers: Elizabeth Waldman, Bureau of Labor Statistics
Lucy Mallan, Social Security Administration

Chair: Joyce Stevens, Bureau of the Census

Discussant: Joseph Gastwirth, George Washington University

A differential between women's and men's earnings exists. The speakers will explore why this differential exists by examining the effect of education, age, marital status and other income related variables.

Ms. Waldman will discuss the male-female differential in 1974 wage and salary earnings of year-round full-time workers. Regression analysis will be presented for detailed occupations for men and women 25 to 64 years of age.

In Dr. Mallan's study, longitudinal and cohort analysis are combined. Women in different cohorts are compared to identify changes in work force patterns between 1951 and 1970, and to see how these changes have effected earnings.

When and Where: Tuesday, April 27, 1976, 12:30 to 2:00 P.M. Tower Bldg.,
Basement Conference Rm., 14th & K Sts.N.W. (To gain
entrance to building, show guard a copy of this newsletter
or Government ID, or sign in with guard.)

WSS CANDIDATES

3.

The following have agreed to run for offices in the Washington Statistical Society for the 1976-77 season.

For Vice President and President-Elect

Barbara Bailar, Bureau of the Census
Vito Natrella, Internal Revenue Service

For Secretary-Treasurer

Susan Miskura, Bureau of the Census

For Representatives-at-Large (Three to be Elected)

David Hulett, Office of Management and Budget
Daniel Levine, Bureau of the Census
Dorothy Rice, National Center for Health Statistics
Seymour Selig, Office of Naval Research
Joseph Steinberg, Survey Design Inc.
Richard Taeuber, Subcommittee on Censuses and Population, House of Representatives

For Methodology Section Program Chairman

David Chapman, Westat Research, Inc.
Marvin Kastenbaum, The Tobacco Institute

Ballots and brief biographical sketch of each candidate will be included in the May Newsletter.

PLEASE NOTE: The Executive Board of the Washington Statistical Society would like to remind you that Article 5, Section 2 of the W.S.S. Constitution provides the members with the opportunity to nominate candidates for office other than those proposed by the Nominating and Elections Committee. The candidates may be nominated by petition of at least 2 percent of the members of the Society. (30 or more persons.)

The petition must be received by the chairman of the Nominating and Elections Committee, Joseph Waksberg, by close of business April 15. His address is:

Joseph Waksberg
Westat Research, Inc.
11600 Nebel St.
Rockville, Maryland 20852

NOTICE OF OPEN BOARD MEETING

The May 1976 meeting of the Board of Directors of the Washington Statistical Society will be an open meeting to which any interested society member is invited to attend. Time will be allotted to a discussion of the business of the society as provided for in article 6 of the constitution. This open meeting provides an opportunity for any member to raise issues or to make suggestions about the conduct of the business of the society. (any issue requiring membership approval will be addressed by mail ballot.)

When and Where: Tuesday, May 4, 1976, 12:30 to 2:00 P.M. Tower Bldg.,
Basement Conference Rm., 14th & K Sts.N.W. (To gain
entrance to the conference room, show guard a copy of
this newsletter, or government ID, or sign in with the
guard.)

JOB APPLICANTS

Listed below is a brief description of the qualifications of individuals submitting an application seeking employment. Any employer interested in interviewing the applicant should notify Mrs. Marie D. Eldridge of their interest by Code Number. The notification should be by mail and should include the employer's name, organization, and telephone number. The employee will be notified of the employer's interest and initiation of any further contact will be left to the employee. All contacts will be confidential. Mrs. Eldridge's address is: Administrator, National Center for Education Statistics, 400 Maryland Avenue, S.W., Room 3073, Washington, D. C. 20202

Code NumberApplicant

3-4-76

(1) PhD (Social Psychology, U. of Mich.); (2) Conducting, supervising, and administering various types of social science research, including experiments, observational studies, questionnaire studies; skilled at design, instrument development, data analysis, etc; (3) 17 years experience conducting research on teaching styles, achievement, family interaction, children's social development and bargaining behavior, person-environment interaction, small group behavior, attribution of meaning, nonverbal communication; (4) \$26,000; (5) Government or non-Government; research, research administration, and/or teaching; D.C. area preferred, but other locations will be considered.

3-5-76

(1) PhD exams in econometrics and statistics at M.I.T. in 1963, one year in mathematical economics at the London School of Economics in 1959-60, A.B. in economics at Princeton in 1959; (2) Econometrics, Forecasting, Travel Demand, Computers; (3) 8½ years of experience; (4) present salary \$25,000; (5) Public or Private Sectors in D.C. area.

Code:

- (1) Education
- (2) Fields of Competence
- (3) Years of Experience
- (4) Salary or GS Level Requirement
- (5) Type of Employment and Geographic Area

JOB OPENINGSApplied Statistician, Part Time

A GS-7 or 9 (about \$5.30-\$6.50 an hour) position involving general statistical applications in sample surveys. Must be a student in statistics, mathematics, or economics with at least 24 hours of credit in statistics and experience in programming (APL, FORTRAN, PL-1). Background in discriminate function analysis and sampling desirable. 20 hours a week during school year. May work full-time during the summer. Send resume to Office of Research and Statistics, Social Security Administration, University North Building, Room 320-J, 1875 Connecticut Avenue, N.W., Washington, D.C. 20009 or call Wendy Alvey at (202) 382-6987. (Washington, D.C.)

Mathematical Statistician, GS7/9/11

The National Highway Traffic Safety Administration, Dept. of Transportation has 2 openings for Mathematical Statisticians GS 7/9/11. Principal duty involve working with various facets of large-scale statistical data systems related to highway safety. Experience is desirable in either sample design, quality control, data processing related to large-scale data systems or statistical analysis. Interested parties should contact Mr. Robert Schweitz, Chief Information Systems Division, Room 3410 Transport Building, 2100 Second St. S.W.Wash.D.C. 20590. Tele. 202-426-4844.

Biostatistician (GS-12); Statistical Programmer (GS-9)

Two statistical positions available with the Food & Drug Administration in the Bureau of Veterinary Medicine. One Biostatistician position at the GS-12 level (\$19,386). Doctorate training or equivalent experience required. Experience in experimental design, data analysis, non-parametric methodology and multivariate analysis desirable.

One statistical programmer position at GS-9 level (\$13,482). Master's level training or bachelor's degree with experience required. Strong computer science background including familiarity with IBM statistical packages desirable.

Call or write Dr. Robert J. Condon, Food & Drug Administration, HFV 100, 5600 Fishers Lane, Rockville, Maryland 20852. Telephone (301) 443-6243. An Equal Opportunity Employer.

SPECIAL YEAR IN PROBABILITY AND STATISTICS
AT UNIVERSITY OF MARYLAND

The following is the April lecture schedule:

Professor C. L. Chiang, Department of Biostatistics
University of California, Berkeley

March 29, Mon. "A Statistical Model for the Study of Chronic Diseases"

March 31, Wed. "Transition Probabilities in Finite Markov Processes"

4:00 P.M. Room Y0412 (Math. Bldg.)

April 2, Fri. "Index of Health and Costs of Medical Care"

Joint Colloquium with IFDAM

3:00 P.M. Room Y3205 (Math. Bldg.)

Professor Emanuel Parzen, Statistical Science Division
S.U.N.Y. at Buffalo

March 29, Mon. "Overview of Aims & Means of Time Series Analysis"

3:00 P.M. Room Y0412

March 30, Tues. "Statistical Spectral Analysis I: Windowed Estimators"

4:00 P.M. Room Y0404

March 31, Wed. "Statistical Spectral Estimation II: Autoregressive Estimators"

3:00 P.M. Room Y0412

April 1, Thurs. "Spectral Domain Theorems and Proofs"

4:00 P.M. Room Y0404

April 6, Tues. "Time Series Prediction and Modeling"

4:00 P.M. Room Y0404

April 7, Wed. "Time Series Modeling and Seasonal Adjustment"

4:00 P.M. Room Y0412

April 8, Thurs. "Mixed (Autoregressive-Moving Average) Schemes Parameter Estimation"

4:00 P.M. Room Y0404

April 9, Friday "Time Domain Theorems and Proofs"

4:00 P.M. Room Y0412

Continuation of April Lecture Schedule

Professor P. K. Sen, Department of Biostatistics
University of North Carolina

will give a series of 5 lectures on

"Invariance Principles for Rank Statistics
and their Applications in Sequential Analysis"

April 19, 21, 23, 26, 28
4:00 P.M. Room Y0412

Professor C. B. Bell, Department of Mathematics
Tulane University and
National Science Foundation

- April 20, Tuesday "Some Practical Problems in a Stochastic
Process Setting"
3:30 - 4:45 P.M. Room Y0404
- April 22, Thursday "Stochastic Processes: Dependence
versus Independence"
3:30 - 4:45 P.M. Room Y0404
- April 27, Tuesday "Inference for Some Special
Stochastic Processes I"
3:30 - 4:45 P.M. Room Y0404
- April 29, Thursday "Inference for Some Special
Stochastic Processes II"
3:30 - 4:45 P.M. Room Y0404

For future schedule and other information, contact Professor
Grace Yang, Department of Mathematics, (454-4884), University
of Maryland, College Park, Md. 20742.