



WASHINGTON
STATISTICAL
SOCIETY
CHAPTER

NEWSLETTER

* CALENDAR: *

- * 1. April 9, Monday Defining Analytical Units In Longitudinal Surveys: SIPPS Households*
- * 2. April 10, Tuesday Writing Workshop With A Focus on ASA Proceedings Papers *
- * 3. April 11, Wednesday Statistical Considerations in Modeling Light-Water Reactors *
- * 4. April 12, Thursday The "Underground Economy" and BLS Statistical Data *
- * 5. April 18, Wednesday A Tour of Computer Graphics *
- * 6. April 25, Wednesday Is The Regression Linear? If Not, What Then? *
- * 7. May 9, Wednesday Qualitative Treatment by Subset Interactions in Clinical Trials *
- * 8. May 16, 17, 18 Short Course: Introduction to Survival Analysis *
- (Registration Form Inside) *
- * 9. June 12, Tuesday Reserve This Date for the WSS Annual Dinner - *
- Details in May Newsletter *
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RANDOM BITS -- Susan M. Miskura, Representative-At-Large

The Washington Statistical Society (WSS) will be presenting a full program of short courses this spring. This newsletter brings you the details of the Workshop on Writing ASA Papers in April. There will be two programs in May. J. Richard Landis and James M. Lepkowski will present a tutorial on Analysis of Categorical Data from Complex Sample Surveys, which features hands-on experience with appropriate statistical software. On May 16-18, Gordon Lan will give a short course entitled Introduction to Survival Analysis. The June program will include a workshop on Improving Oral Presentations, as well as a tutorial on Personal Computers for Statisticians. Plans for presenting a taped tutorial on Generalized Linear Models are in the works. The WSS Board hopes that these topics will serve the membership well, and welcomes your suggestions for future programs.

We expect Continuing Education Units (CEU's) to be awarded for the tutorials. Continuing Education is coordinated and supported by the ASA National Office in recognition of the rapid development and great diversity of our field. The National Office certifies programs for CEU's which measure time and attendance for participation in an appropriately sponsored, capably directed Continuing Education experience. The CEU has been adopted for use by many higher education institutions and a majority of professional organizations that provide Continuing Education programs.

WASHINGTON STATISTICAL SOCIETY PROGRAM CHAIRS

Agri. & Nat. Res.
Fred Vogel 447-3895

Methodology
Michael Cohen 334-2266

Phys. Sci. & Eng.
Seymour Selig 696-4314

Economics
Eva Jacobs 272-5156
Nancy Gordon 226-2669

Short Courses
Jim Carpenter 272-2271
Doug Samuelson 536-4756

Interprogrammatic
Wendy Alvey 376-0216
Fritz Scheuren 376-0216

Social and Dem.
Lee-Ann Hayek 357-1587
Richard Rockwell 212/557-9494

Pub. Health & Biostat
Mitchell Gail 496-4208
L. J. Wei 676-6359

Stat. Computing
Chap Gleason 633-3458
David Morganstein 251-8215

Employment: Evelyn R. Kay 331-1153

Newsletter: Julia Oliver 252-1676

PROGRAM ABSTRACTS

TOPIC: Defining Analytical Units in Longitudinal Surveys: SIPPS Households
SPEAKER: David B. McMillan, Census
CHAIR: Richard C. Rockwell, Social Science Research Council, New York
DISCUSSANT: Jeanne Griffith, Congressional Research Service
DATE AND TIME: Monday, April 9, 1984, 12:30PM-2:00PM
LOCATION: Auditorium A-5, Martin Luther King Memorial Library, 901 G Street, N.W.
ABSTRACT: Households are the major form for presenting statistics on groups of individuals. In a longitudinal survey, presenting statistics on households requires that you aggregate across time for each household to produce values for variables such as annual household income. The problem then is to determine which households exist across the full aggregation period, which are newly formed and which are dissolved. This paper reviews a number of proposed solutions to this problem.

TOPIC: Writing Workshop With A Focus On ASA Proceedings Papers
SPEAKERS: Wendy Alvey, Subcommittee on ASA Proceedings and Fritz Scheuren, ASA Publications Committee
CHAIR: Fritz Scheuren, ASA Publications Committee
DATE AND TIME: Tuesday, April 10, 1984, 12:30PM-2:00PM
LOCATION: IRS Auditorium, 7th Floor, 1111 Constitution Avenue, N.W.
ABSTRACT: In an effort to improve the quality of papers submitted to the ASA, the publications Committee has sponsored a Writing Workshop at the Annual Meeting for the last 2 years. The speakers will make some suggestions about good writing techniques, in general, and ASA guidelines, in particular. They will also talk about the importance of peer review and describe the voluntary review procedure which the ASA Publications Committee instituted last year. Persons preparing manuscripts for the June 1st deadline of ASA are urged to attend.

TOPIC: Statistical Considerations in Modeling Light-Water Reactors
SPEAKER: Hal Steinburg, Energy Information Administration (EIA)
DATE AND TIME: Wednesday, April 11, 1984, 12:30PM-2:00PM
LOCATION: Room 4E069, Forrestal Building, 1000 Independence Avenue, S.W.
ABSTRACT: The 160 light water power reactors comprising an extensive validated data base were stratified into 4 major and 4 residual groupings. These 8 groups were individually analyzed to obtain average fuel-diet characteristics for each. The results of this modeling effort are used to forecast domestic and world-wide nuclear fuel-cycle requirements through the year 2000. The stratification and analysis methodologies are described, giving special emphasis to their statistical aspects.

TOPIC: The "Underground Economy" and BLS Statistical Data
SPEAKER: Richard J. McDonald, Bureau of Labor Statistics
DISCUSSANT: Barry Malefsky, Congressional Research Service
CHAIR: Eva Jacobs, Bureau of Labor Statistics
DATE AND TIME: Thursday, April 12, 1984, 12:30PM-2:00PM
LOCATION: Room 315, Martin Luther King Memorial Library, 901 G Street, N.W.
ABSTRACT: Critics have argued that BLS employment, price and productivity indexes are significantly affected by unreported economic activity. Have they made their case? Each major BLS series is examined in the light of statements made in the literature.

TOPIC: A Tour of Computer Graphics
SPEAKER: Lawrence C. Tarbell, Department of Defense
CHAIR: Terry Ireland, Department of Defense
DATE AND TIME: Wednesday, April 18, 1984, 12:30PM-2:00PM
LOCATION: Room 4E-069, Forrestal Building, 1000 Independence Avenue, S.W.
ABSTRACT: This talk will begin with a general discussion of computer graphics -- hardware and software -- with thoughts on some applications followed by an in-depth discussion of the present and future of graphics on powerful personal computers.

TOPIC: Is the Regression Linear? If Not, What Then?
 SPEAKER: Jerome Sacks, National Science Foundation
 CHAIR: Joseph Gastwirth, George Washington University
 DISCUSSANT: Kent Bailey, National Institute of Health
 DATE AND TIME: Wednesday, April 25, 1984, 12:30PM-2:00PM
 LOCATION: Room 322, George Washington University, 2201 G Street, N.W.
 ABSTRACT: The effect of model departures from an assumed linear model (for example a linear or multi-linear regression) can be pernicious, as will be indicated. Non-parametric regression ideas can sometimes be used to address inference questions. In particular, confidence bands for a regression function can be given and used to decide whether or not the true regression follows the assumed linear model.

TOPIC: Qualitative Treatment by Subset Interactions In Clinical Trials
 SPEAKER: Richard Simon, National Cancer Institute
 DATE AND TIME: Wednesday, May 9, 1984, 11:00AM-12:30Pm
 LOCATION: Conference Room A, Landow Building, 7910 Woodmont Avenue, Bethesda, Maryland
 ABSTRACT: Evaluation of evidence that treatment efficacy varies substantially among different subsets of patients is an important feature of the analysis of large clinical trials. "Qualitative" or "crossover" interactions are said to occur when one treatment is superior for some subsets of patients and the alternative treatment is superior for other subsets. Ordinary "quantitative" interactions between treatment and subsets are common, and quantitative interactions are of little clinical importance as long as the direction of the treatment effect is the same in all subsets. Qualitative interactions are generally of major therapeutic significance. Exact critical values are determined and the results are applied to a recent national clinical trial in breast cancer.

EMPLOYMENT COLUMN

Deadline for inserting notices is the first of the month preceding the publication date.

Send notices and requests to:
 Evelyn R. Kay
 520-22nd Street, N.W.
 Washington, D.C. 20037 202/331-1153

JOB OPENINGS

Statisticians/Programmers: JRB Associates seeks statisticians/programmers with a MS in statistics/mathematics and a minimum of five (5) years of experience in statistical analysis, programming, and data management. Experience with IBM mainframes and personal computers is required. Qualified applicants should submit resume and salary requirements to: Ms. Karen Wise, JRB Associates, 8400 Westpark Drive, McLean, VA 22102.

Operations Research/
 Mathematical Statistician: The Central Intelligence Agency (CIA) has an opening for a Ph.D in Operations Research Statistics. Knowledge of sampling theory, econometric techniques, non-linear and integer optimization techniques, "impressionistic" multivariate techniques, and a working knowledge of at least one high-level computer language is required. Salary ranges from \$30,000 to \$45,000, depending on training and experience. To apply, forward your resume, graduate transcript, and writing samples to: Department A, Room 821 (SC), P.O. Box 1925, Washington, D.C. 20013. U.S. Citizenship required.

Statistician - GS-9/11: The Census Bureau seeks a Statistician with FORTRAN programming experience and background in the social sciences to work on the Survey of Income and Program Participation (SIPP). The position includes some administrative work such as preparing requests for proposals, a substantial amount of programming on UNIVAC and IBM machines to manipulate the complex data files from SIPP, and research on methodological issues related to longitudinal data. Staffing will be at the GS-9 or 11 level, depending on skills, training, and experience. Interested candidates should send a Vitae or SF 171 to Daniel Kasprzyk, Population Division, Room 2024-3, U.S. Bureau of the Census, Washington, D.C. 20233.

JOBS OPENINGS (Continued)

Biostatistician - GS-11: National Institute of Health (NIH) has a temporary (up to 4 years) appointment available immediately for data management and analysis in a multicenter investigation of AIDS. Prefer Ph.D. or else MS with experience. For more information contact Dr. William Blackwelder, NIH, Westwood Building, Room 739, Bethesda, Maryland 20205, 301/496-7065.

Applied Statisticians The Orkand Corporation, Inc., seeks applied statisticians with experience in an IBM 370 environment, COBOL, PL/1 or FORTRAN, statistical and/or graphics packages a plus. Send replies to: K. McCasland, The Orkand Corporation, 8630 Fenton Street, Suite 938, Silver Spring, Maryland, 20910, 301/585-8480.

JOB APPLICANT

Below is a brief description of the qualifications of an applicant seeking employment. Employers interested in interviewing this applicant should notify Mrs. Kay of their interest by CODE NUMBER. The request should be by mail and should include the employer's name, organization and telephone number. The applicant will be notified of the employer's interest and initiation of any further contact will be left to the applicant. All contact will be confidential.

CODE NUMBER: 83-12-01
POSITION WANTED: Mathematical Statistician in Washington, D.C. Area
EDUCATION: Master's Degree in Mathematical Statistics, McGill University, 1969
EXPERIENCE: Fourteen (14) years in Canadian Federal Government and private industry; design of large scale survey sampling plans, estimation procedures (including non-response adjustment), variance estimation, editing and imputation, questionnaire design; General Linear Model, regression, Analysis of Variance, logit analysis, analysis of log-linear data, multivariate analysis, and non-parametric statistics. Experience with FORTRAN and major statistical packages.

(mailed 3/20/84)

AREAS OF INTEREST: Survey Design and Data Analysis.



AMERICAN STATISTICAL ASSOCIATION

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