



WASHINGTON
STATISTICAL
SOCIETY

NEWSLETTER

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RANDOM BITS by Maria Gonzalez, WSS President

Happy New Year. As you can see with the New Year, the Washington Statistical Society Newsletter has a new official logo and a new format. The new logo was developed by Dick Taeuber, one of our three Representatives-At-Large, and also appears on our stationary. Dick has been working with Julia Oliver, the Newsletter Editor, on the format of our newsletter. This column, Random Bits, has been added to convey special information on topics of interest and concern to the WSS membership. We welcome feedback on the new format from WSS members and if you have suggestions for speakers, topics or special programs, contact one of the WSS Program Chairs listed below.

Another change is that this year, WSS is instituting a more active continuing education program. Between March and June, we will be presenting short courses on: 1-Improving Written Presentations (March); 2-Analysis of Categorical Data from Complex Samples (April); 3-Survival Analysis (May); 4-Generalized Linear Models (May); 5-Personal Computers for Statisticians (June) and 6-Improving Oral Workshops (June). Specific dates for these activities will be announced in future newsletters.

Included in this newsletter is a special ballot asking the membership to vote on certain changes to the Constitution of the Society. The proposed changes would bring the WSS Constitution into accord with recent changes in ASA procedures concerning payment of dues and membership status, lengthen the availability of the services of the Representatives-At-Large to the Society; make the terms of Secretary and Treasurer to two years; and better define the roles of the District Representative and the Council Representative. Members are urged to vote on these important issues.

(Continued on back page)

WASHINGTON STATISTICAL SOCIETY PROGRAM CHAIRS

Agri & Nat. Res. Fred Vogel 447-3895	Methodology Michael Cohen 495-8570	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

PROGRAM ABSTRACTS

TOPIC: Statistical Considerations of Modelling Light Water Reactors
SPEAKER: Hal Steinburg, Energy Information Administration (EIA)
DATE AND TIME: Wednesday, January 18, 1984, 12:30-2:00
LOCATION: Room 4E-069, Forrestal Building, 1000 Independence Avenue, S.W.
ABSTRACT: The 160 light water power ractors comprising an extensive validated data base were stratified into 4 major and 4 residual groupings. These 8 groups were their individually analyzed to obtain average fuel-diet characteristics for each. The results of this modelling 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 Survey of Income and Program Participation (SIPP)
SPEAKER: Jeanne Griffith, Congressional Research Service
CHAIR: Nancy Gordon, Congressional Budget Office
DISCUSSANT: Roger Herriott, Bureau of the Census
DATE AND TIME: January 19, 1984, 12:30-2:00
LOCATION: Room 4E-069, Forrestal Building, 1000 Independence Avenue, S.W.
ABSTRACT: Preliminary data from The SIPP, a major new longitudinal household survey which has just been fielded, are expected to be available in the summer of 1984. Jeanne Griffith will discuss its advantages compared with other surveys and some of the issues that must be solved as the SIPP is implemented.

TOPIC: Joint Session and Editing and Imputation Methods
SPEAKERS: Philip Smith, Census and Eugene Burns, EIA
DISCUSSANT: William Winkler, EIA
DATE AND TIME: Thursday, January 26, 1984, 12:30-2:00
LOCATION: Room 5E-069, Forrestal Building, 1000 Independence Avenue, S.W.
ABSTRACT: The two papers presented in this session examine editing and imputation methods used in the EIA Weekly Petroleum Surveys and the Economic Surveys sponsored by the Bureau of the Census. The first paper develops a strategy for cleaning the data from economic surveys sponsored by the Census Bureau in three stages. Methodological tools include distance measures, graphical procedures, and maximum likelihood and robust estimation for incomplete multivariate normal data. Data from the Annual Survey of Manufacturers is used to illustrate the method.

The second presentation describes the integrated editing and imputation procedures used for the EIA's weekly petroleum surveys. Topics discussed include the overall design of the editing and imputation system, parameter estimation, and the determination of appropriate cutoff values.

TOPIC: Data Collection, Analysis, and Interpretation: The Rocky Road from Perceived Data Needs To Policy Decisions
SPEAKER: Dwight French, EIA
DATE AND TIME: Thursday, January 26, 1984, 1:30-2:30
LOCATION: Room 1-23, Center Bldg., 3700 East West Highway, Hyattsville, Maryland
SPONSOR: National Center for Health Statistics (NCHS)
ABSTRACT: The translation of subject matter needs into survey data requirements and the interpretation of data for addressing policy issues are not frequently addressed as sources of nonsampling error. These sources of error, and suggestions for dealing with them, are discussed in the light of NCHS and EIA experience.

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, DC 20037 202/331-1153

JOB OPENINGS

Mathematical Statistician/
Demographer
Census Bureau is seeking mathematical statisticians, demographers and others with quantitative skills to work on the problem of census undercount evaluation and adjustment. The project involves survey design, sampling, data analysis, error modelling and local area estimation. Candidates will be considered at any level. Contact Howard Hogan, Statistical Research Division, Bureau of the Census, Washington, D.C. 20233, or telephone at 301/763-5926.

Mathematical Statistician
GS-1529-13
MS or Ph.D. in statistics with extensive knowledge and experience in the application of probability theory, statistical theory, and theory of experimental design. Requires knowledge of advanced univariate and multivariate statistical methods, nonparametric methods, FORTRAN programming, and use of statistical analysis software packages. Send SF-171 to: Ms. Patricia A. Reissig, Administrative Support Division, U.S. Army Concepts Analysis Agency, 8120 Woodmont Avenue, Bethesda, Maryland 20814, or call 202/295-1630.

Associate/Full Professor
Computer Science
The Department of Statistics/Computer and Information Systems invites applications for an Associate/Full Professor tenure-track faculty position in Computer Science beginning Fall 1984. Responsibilities include undergraduate teaching and curriculum development in the Department's program leading to a B.S. in Computer and Information Systems; research; and participation in developing future Master's level programs in computing. Applicants should have a Ph.D. in Computer Science and teaching experience. Send CV and three letters of reference to Professor Arthur D. Kirsch, Chairman, Department of Statistics/Computer and Information Systems, George Washington University, Washington, D.C. 20052.

JOB APPLICANTS

Listed below is a brief description of the qualifications of applicants seeking employment. Employers interested in interviewing these applicants 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 contacts 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 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.

AREAS OF INTEREST: Survey Design and Data Analysis

Finally, a few words about the October session honoring Shirley Kallek, WSS President 1981-82. Over 100 people listened to featured speakers, Janet Norwood, Lou Kincannon, Estelle Dagum and Milton Eisen, reminisce about Shirley and her contributions to the statistical community. To memorialize her life and her professional and personal contributions, her friends and colleagues are establishing a memorial fund to endow an annual Fellowship. The hope is that an award could be made each year to a qualified man or woman to pursue the study of statistics. Contributions may be submitted using the form below:

TO: Helen Peck
Council of Professional
Associations on Federal Statistics
806-15th Street, N.W., Suite 440
Washington, D.C. 20005

Please accept my contribution in the amount of
\$_____ for the Shirley Kallek Fellowship Fund.

(Name)

(Address)

(mailed 12/29/83)



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