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Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION

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NEWSLETTER - NOVEMBER 1974

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| November 8 | - On the Election - or a Look at November 5 with Rod and Reel |
| November 13 | - A Review and Critique of Some Models Used in Competing Risk Analyses |
| November 21 | - GNP Data Improvement Project (see page 5) |
| November 26 | - Some Box-Jenkins Type Approximations for Failure Rate Processes and Associated Stochastic Processes |

LUNCHEON PROGRAM

Topic: On the Election - or a Look at November 5 with Rod and Reel

Speaker: Richard M. Scammon, Director, Elections Research Center,
Government Affairs Institute
Former Director, Bureau of the Census
Consultant to NBC News Elections Unit

Dr. Scammon, an election statistics expert, will review the results of the November 5 election. His discussion will cover such topics as the predictions made and how well these held up and how various issues affected the election outcome.

When and Where: Friday, November 8, 1974, 11:30 A.M. to 2:00 P.M.
COSTINS RESTAURANT, 14th and F Sts., N.W.
(National Press Building). Cash Bar beginning at 11:30 A.M.,
lunch served at 12 noon. Price of luncheon is \$6.25, includes
tax and tip.

N.B.: Luncheon capacity limited to 120 persons. Reservations accepted on a first-come first-served basis. Reservations will be accepted on receipt through November 4.

Solomon Loew, 10401 Grosvenor Place, Rockville, Maryland 20852

Please reserve _____ tickets for the Scammon luncheon November 8.

Name _____: Organization _____:
Phone _____

(Make checks payable to Washington Statistical Society)

JOINT MEETING OF THE METHODOLOGY SECTION AND THE PUBLIC HEALTH AND BIOSTATISTICS SECTION

Topic: A Review and Critique of Some Models Used in Competing Risk Analyses

Chairperson: Nathaniel B. White, National Institute for Child Health and Human Development

Speaker: Mitchell Gail, National Cancer Institute

A notation is introduced which allows one to define competing risk models easily and to examine underlying assumptions. The actuarial competing risk model is studied in detail and compared with other models. Variance formulae are given both for the case when times of death are known and when they are not. The generality of these methods is illustrated by an example treating two dependent competing risks.

When and Where: Wednesday, November 13, 1974, 11:00 A.M. to 12:30 P.M.,
NIH Building 31, Conference Room 5 (Cafeteria in Building)

PHYSICAL SCIENCE AND ENGINEERING PROGRAM

Topic: Some Box-Jenkins Type Approximations for Failure Rate Processes and Associated Stochastic Processes

Chairperson: Seymour M. Selig, Office of Naval Research

Speaker: Nozer D. Singpurwalla, George Washington University

A new method for analyzing data will be presented. The method is particularly suitable when the data are contaminated due to inspection and reporting procedures. The method calls for approximating the observed failure rate of the distribution from which the data arises by a suitable Box-Jenkins type ARIMA model. Results on the theoretical justification for this method will also be given.

When and Where: Tuesday, November 26, 1974, 12:30 P.M. to 2:00 P.M.
George S. Boutwell Auditorium, 7th Floor,
IRS Building, 1111 Constitution Avenue, N.W.
(There is a cafeteria on the 7th floor close to the auditorium.)

Program Suggestions: The society is now involved in planning the program through next June. If you have suggestions for the program, please contact the appropriate program chairman as listed below.

Methodology Section	Jay Herson	636-6300
Agriculture Statistics	William E. Kibler	447-5038
Computer Technology	Richard Taeuber	389-6361
Economics	David T. Hulett	395-4730
Physical Science and Engineering	Seymour Selig	OX2-4314
Public Health and Biostatistics	Tavia Gordon	496-5826
Social and Demographic Statistics	Meyer Zitter	763-7646

CORRECTION: The handout at the September 24 session, "On the Arithmetic Means and Variances of Products and Ratios of Random Variables," contains an error on page 2. A corrected page 2 may be obtained by writing to Dr. Fred Frishman, Chief, Mathematical Statistics Branch, Statistics Division, IRS, 1111 Constitution Avenue, N.W., Washington, D.C. 20224.

JOB OPENINGSVETERANS ADMINISTRATION

Immediate openings for three professional statisticians in the career civil service. One GS-11 (starting - \$14,671) requires general statistical training/experience. Also, two positions, one GS-9 (starting \$12,167) and one GS-11, require training/experience in "health" statistics. To apply, send a resume or Federal Application Form (SF-171) to Veterans Administration, Central Office Personnel Service (055B), ATTN: J.G. Sneeringer, 810 Vermont Avenue, N.W.; Washington, D.C. 20420, or call Mr. Sneeringer at 389-3934.

U.S. DEPARTMENT OF INTERIOR

Survey Statistician - The Office of Statistics, Bureau of Mines, has an opening for a Survey Statistician, GS-11, to supervise the development, revision and Office of Management and Budget clearance of 200 survey forms used to collect mineral commodity information at the National level. Major responsibilities include the design and improvement of questionnaire organization and wording and liaison with OMB on clearance of survey forms and plans. Experience in survey methods and as a minimum an undergraduate degree with a major or minor in statistics. For information contact Arthur Berger, Acting Chief, Office of Statistics, telephone 557-0260. Submit Standard Form 171 to Mr. Berger, Bureau of Mines, Room 438, 4015 Wilson Boulevard, Arlington, Virginia 22203.

NATIONAL NAVAL MEDICAL CENTER

GS-9 or GS-11 Statistician (Health) - Duties involve the analysis of medical data to be used by program managers for decision making. Subject areas include 1) morbidity and mortality, 2) medical manpower and 3) hospital workload. Incumbent will also write short articles for publication in Statistics of Navy Medicine and contribute analytical sections in Annual Report of Surgeon General. Position located in Naval Medical Data Services Center, National Naval Medical Center in Bethesda, Maryland. Please contact Mrs. Cherry at 295-1420.

JOB APPLICANTS

4.

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: Acting Director, Office of Statistics and Analysis, Research and Development, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh St., S.W., Room 5125, Washington, D.C. 20590.

Code Number

Applicant

144-10-4

(1) A.B. Math. (honors), Diploma Aerospace, Ph.D. Statistics, 1973. (2) Discriminant Analysis, Systems Analysis, Analysis of Variance, Regression Analysis, Statistical and Mathematical Analysis, Math. Modeling; (3) Systems Analysis, PERT networking, Math. teaching and lecturing in statistics and aerospace have covered a span of over 21 years; (4) GS-13; (5) Government in metropolitan D.C.

145-10-4

(1) M.A. Economics, course work in statistics; (2) Statistical operations management, survey and analytical statistics; (3) 13 years foreign trade, transportation economics, computer data processing; (4) \$400 per week; (5) Non-government, Washington, D.C. metropolitan area.

146-10-4

(1) M.A. Economics and Statistics, 1964. B.A. History, 1958. Doctoral work in Economics; (2) Economic analysis, economic and statistical programs, report writing, survey design, forecasts, systems analysis and operations; (3) 10 years experience; (4) GS-14 or equivalent; (5) Government in metropolitan D.C.

CODE:

- (1) Education
- (2) Fields of Competence
- (3) Years of Experience
- (4) Salary or GS level requirement
- (5) Type of employment and geographic area

JOINT MEETING WITH NBER CONFERENCE ON RESEARCH ON INCOME AND WEALTH

Subject: GNP Data Improvement Project: A Preview of Recommendations and Their Rational

Thursday, November 21, 1974 - 10 A.M. to Noon

Holiday Inn, 8120 Wisconsin Avenue, Bethesda, Md.

Chairman - Martin L. Marimont

Speaker - Daniel Creamer

Panelists - Alan H. Young
Shirley Kallek
Murray F. Foss
Edward W. Green

The Office of Management and Budget established in March 1973 a Committee to advise OMB on steps required to improve the statistical sources used to estimate the GNP. Daniel Creamer of The Conference Board, Chairman of this Committee, will present the preliminary report to an NBER Conference on Research in Income and Wealth. Members of the WSS are invited to attend this session.

October 31 Meeting:

Robert Summers, Wharton School, University of Pennsylvania, is an additional panelist for the October 31 meeting of the Economics program on Measures of Capacity Utilization.