

Washington Statistical Society

WSS Newsletter - November 1982

WSS Sponsored

CALENDAR

Topic: The Reagan Experiment: Can the Impact be Measured?
Speakers: Dr. Isabele V. Sawhill, Senior Fellow, Urban Institute and Gregory B. Mills, Research Associate, Urban Institute
Date and Time: Monday, November 8, 1982, 12:30-2:00 p.m.
Location: Room 3000A, Federal Building, 12th and Pennsylvania Avenue, N. W.

WSS SPECIAL MEETING

Topic: Changing Demographic Realities and Their Pressures on Public Policy
Speaker: Bruce Chapman, Director, U.S. Bureau of the Census
Date and Time: Tuesday, November 9, 1982, 12:30-2:00 p.m.
Location: IRS Auditorium, 1111 Constitution Avenue, S.W.

Topic: Theory Sigma
Speaker: J. Stuart Hunter, Consultant, Princeton, New Jersey
Date and Time: Tuesday, November 16, 1982, 12:30-1:45 p.m.
Location: George Washington University, Room 103, Building C, 2201 G Street, N. W.

Topic: Calibration Curves: A Realistic Evaluation of Their Uncertainties
Speaker: C. H. Spiegelman, National Bureau of Standards
Date and Time: Thursday, November 18, 1982, 12:30-2:00 p.m.
Location: Main Commerce Building, Conference Room A

Topic: Residential Energy Consumption: Pitfalls of Designing and Implementing a New Survey
Speaker: Lynda Carlson, Department of Energy
Date and Time: Tuesday, November 23, 1982, 12:30-2:00 p.m.
Location: Forrestal Building, 1000 Independence Avenue, S.W., Room 6A110

Topic: Randomization, Why It Should Not Be Done!
Speaker: Dennis Lindley, Visiting Research Professor, George Washington University
Date and Time: Thursday, December 2, 1982, 12:30-2:00 p.m.
Location: G. W. University Academic Center, Room T206, 21st and J Street, N. W.

Topic: Interactive Graphical Display and Analysis Techniques
Speaker: James J. Filliben, National Bureau of Standards
Date and Time: Thursday, December 9, 1982, 12:30-2:00 p.m.
Location: Main Commerce Building, Room 6802

Topic: Bayesian and Non-Bayesian Methods of Estimating the Failure Rate Function, with Critical Comments
Speaker: Professor Nozer Singpurwalla, George Washington U.
Date and Time: Thursday, December 9, 1982, 12:30-2:00 p.m.
Location: G. W. University Academic Center, Room T206, 21st and J Street, N. W.

Topic: Interpreting Statistics on the Money Supply
Speaker: Lloyd C. Atkinson, Deputy Asst. Director for Fiscal Analysis, Congressional Budget Office
Date and Time: Thursday, December 14, 1982, 12:30-2:00 p.m.
Location: IRS Auditorium, 1111 Constitution Avenue, S.W.

Other Sponsors

Sponsor: Statistics of Income Division, IRS
Topic: The Population-Sample Decomposition
Speaker: Bernard M.S. van Praag, Professor, Leyden (Holland) University
Date and Time: Monday, November 1, 1982, 10:30 a.m.-12:00 noon
Location: 1201 E Street, N. W., Room 401, Washington, D. C.

Sponsor: Social Security Administration
Topic: The Impact of Changes in the Income Distribution on the Distribution of Wealth: An Application of Social Filter Theory
Speaker: Bernard M.S. van Praag, Professor, Leyden (Holland) University
Date and Time: Monday, November 1, 1982, 2:00-3:30 p.m.
Location: 11th Floor Conference Room, 1875 Connecticut Avenue, N. W., Washington, D. C.

Sponsor: National Center for Health Statistics
Topic: Methodology for the Current Population Survey
Speakers: Lawrence Cahoon, Bureau of the Census
Date and Time: Thursday, November 18, 1982, 1:30-2:30 p.m.
Location: Center Building, Room 10-53, 3700 East-West Highway, Hyattsville, Maryland

Sponsor: Statistics of Income Division, IRS
Topic: Annual Report, Statistics of Income - 1980 Individual Income Tax Returns
Speakers: Beth Kilss, Peter Sailer and Richard Thomas, IRS
Date and Time: Wednesday, November 24, 1982, 1:00-3:00 p.m.
Location: 1201 E Street, N. W. Room 806B, Washington, D. C.

DETAILED INFORMATION ON THE MEETINGS

Topic: The Reagan Experiment: Can the Impact Be Measured?
Abstract: The speakers will report on the Urban Institute's recently released book, The Reagan Experiment-An Examination of Economic and Social Policies Under the Reagan Administration and discuss some of the critical data and statistical needs for the next phase of the study.

Topic: Theory Sigma
Chair: Seymour M. Selig, Office of Naval Research
Abstract: American industry faces the challenge of how best to improve the quality of products and, simultaneously, to enhance productivity.

Topic: Calibration Curves: A Realistic Evaluation of Their Uncertainties
Chair: Dr. Churchill Eisenhart, National Bureau of Standards
Discussant: Dr. Edward Wegman, Office of Naval Research
Abstract: Calibration curves are used to obtain one type of measurement from another.

If f were known x would typically estimated by f^-1(Y). Since it is unknown, a calibration experiment is performed to collect the data x_i, Y_i = f(x_i) + sigma*epsilon_i, i = 1,..., n.

After calibration new measurements Y_i*, i = 1,2,...,k_0, 1 < k_0 < infinity are obtained, and for each the associated x_i* is estimated by x_i* = f^-1 (Y_i*). Uncertainty statements are made about x_i*, i = 1,...,k_0 using information about the distribution of f, sigma, and Y_i*, i = 1,...,k_0.

Topic: Residential Energy Consumption: Pitfalls of Designing and Implementing a New Survey
Chair: Eva E. Jacobs, Bureau of Labor Statistics
Discussant: Tom Jabine, Consultant
Abstract: The Residential Energy Consumption Survey is in its fourth fielding--a circumstance that those working on the survey find quite amazing.

Topic: Interactive Graphical Display and Analysis Techniques
Chair: Karen Kafadar, National Bureau of Standards
Discussant: David Desjardens, Bureau of the Census
Abstract: The purpose of this paper is to examine various commonly-occurring data analysis problems, and to present graphical solutions to these problems.

Topic: Bayesian and Non-Bayesian Methods of Estimating the Failure Rate Function, With Critical Comments
Discussants: Professor Dennis V. Lindley and Dr. Kent Bailey
Abstract: Recently developed non-Bayesian approaches for estimating the failure rate function will be presented and some weaknesses of these methods will be discussed.

Topic: The Population-Sample Decomposition
Chair: Fritz Scheuren, Internal Revenue Service
Abstract: This presentation deals with the estimation of model parameters in large samples, with emphasis on the separation of "model problems" and "sample problems." Model problems are the estimation problems we encounter in the usual setting in theory, where samples are assumed to be i.i.d. and representative. Sample problems arise when the sample cannot be assumed to be representative, because of incomplete observations, selectivity bias, measurement errors, etc. This seminar will focus on the population-sample decomposition concept, which enables us in many cases to solve the model problems and sample problems independently and separately from each other.

Topic: The Impact of Changes in the Income Distribution on the Distribution of Wealth: An Application of Social Filter Theory
Chair: Denton Vaughan, Social Security Administration
Abstract: Professor van Praag is the founder of the Dutch School of economists who have pioneered in the direct measurement of normative functions which individuals use to evaluate the adequacy of their own income. Social Filter Theory is one theoretical approach used to explain the distribution of parameters of individuals' income evaluation functions in a given society.

NATIONAL CENTER FOR HEALTH STATISTICS SEMINAR

Thursday, November 18, 1982 - 1:30 p.m. - 2:30 p.m.

Center Building, Room 10-53, 3700 East-West Highway, Hyattsville, Maryland

Topic: Methodology for Current Population Survey
A description of the sample design of current population survey will be given. Some indications of the research on redesign of the survey will be described.

For further information, call Office of Research and Methodology (301) 436-7111

INTERNAL REVENUE SERVICE, STATISTICS OF INCOME DIVISION SEMINAR

Wednesday, November 24, 1982, 1:00-3:00 p.m.

1201 E Street, N. W., Room 806B, Washington, D. C.

(Blue/orange/red lines - Metro Center)

Topic: Annual Report, Statistics of Income—1980, Individual Income Tax Returns
The Internal Revenue Service, Statistics of Income Division, is sponsoring a seminar on the next in the series of annual reports, Statistics of Income--1980, Individual Income Tax Returns. Three papers will be presented at this seminar. First, Beth Kilss will focus on a number of quality issues, including reporting and processing errors, timing issues, data collection difficulties, and the impact of dollar budget and burden budget cuts. Next, Peter Sailer will analyze the results of the expedited processing used in the production of the 1980 report. Finally, Richard Thompson will highlight some of the important developments in the areas of income and taxes which are reflected in the 1980 report. All three speakers are statisticians with the Statistics of Income Division.

"REFLECTIONS ON BAYESIAN APPROACHES IN OPERATIONS RESEARCH, PROBABILITY, AND STATISTICS"

Saturday, November 6, 1982 at Blacksburg, Virginia

For information contact Professor Nozer D. Singpurwalla, Department of Operations Research, School of Engineering & Applied Science, The George Washington University, Washington, D.C. 20052, Telephone: (202) 676-7534 or Professor Yashaswini Mittal, Department of Statistics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061, Telephone (703) 961-5657.

THIRTY-EIGHTH ANNUAL CONFERENCE ON APPLIED STATISTICS

December 1 to December 3, 1982

Holiday Inn North, Newark Airport, Newark, New Jersey

(Formerly held at Princeton University)

For further information, contact Marjorie Keshmiri, Hoffmann-LaRoche Incorporated
Building 76, Nutley, New Jersey 07110 (201) 235-2029

**WASHINGTON STATISTICAL SOCIETY
STATEMENT OF INCOME AND EXPENDITURES
FOR JULY 17, 1981 TO SEPTEMBER 16, 1982**

On Hand July 17, 1981. \$ 6,418.13

Receipts

1. Dues collected.	\$5,830.50	
a. through ASA.	\$5,783.00	
b. through Local Associates.	47.50	
2. Interest.	404.63	
3. Donation.	40.00	
4. Dinners.	3,909.50	
Total Receipts.		10,184.63
Total Operating Funds.		\$16,602.76

Expenses

1. Newsletter.	\$6,320.86	
a. Graham Letter Service.	\$4,269.02	
b. Postage.	1,298.34	
c. ASA addressing charge.	595.50	
d. Typing.	158.00	
2. Graduate Student Scholarship Awards.	84.00	
3. Society letterhead.	76.96	
4. Gifts for Chinese visitors.	89.75	
5. Notices for Chinese dinner.	262.50	
6. Miscellaneous.	30.00	
7. Stamps, box rent.	198.05	
8. Dinners.	3,908.29	
Total Expenses.		10,970.41
Difference, operating funds minus expenses.		\$ 5,632.35
National Permanent Federal Savings & Loan.		\$ 5,632.35

WSS-SHISKIN AWARD

On Hand July 17, 1981. \$ 3,092.64

Receipts

1. Contributions.	\$ 250.00	
2. Interest.	852.27	
National Bank of Washington.	\$ 38.99	
National Permanent Savings & Loan.	673.01	
First Variable Rate Fund.	140.27	
Total Receipts.		1,102.27
Total Operating Funds.		\$ 4,194.91

Expenses

1. 1982 Award to Edward F. Denison.	\$ 250.00	
2. Annual dinner (4 persons).	48.00	
3. Interest (paid to WSS for six months loan).	30.36	
Total Expenses.		328.36
Difference, operating funds minus expenses.		\$ 3,866.55
First Variable Rate Money Market Fund.		\$ 3,866.55

Bennie A. Clemmer
Treasurer

I have examined the Treasurer's Report of the Washington Statistical Society for the period July 17, 1981 to September 16, 1982. The examination was made in accordance with generally accepted auditing standards. In my opinion, the report presents fairly the cash receipts and disbursements of the Washington Statistical Society for the period July 17, 1981 to September 16, 1982.

Ron Fecso
Chair, Audit Committee

EMPLOYMENT COLUMN

Deadline for inserting notices is the 10th 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 Johns Hopkins

Statisticians are being sought to provide statistical support for test planning and to develop methods for experimental data analysis using small sample sizes. PhD level in statistics and experience in engineering/scientific applications desirable but not required. Send resume to Stevan F. Sayre, Department LER-248, The Johns Hopkins University Applied Physics Laboratory, Johns Hopkins Road, Laurel, Maryland 20707; or call (301) 953-7100, extension 7523.

Computer Science Professor

Applications are invited for a computer science tenure-track faculty position in the Department of Statistics beginning spring or fall 1983. Responsibilities include undergraduate teaching, research and assistance in expanding a program leading to a B.S. in Computer Science. Rank and salary dependent on experience. Send resume, three letters of reference and graduate transcripts to Professor Arthur D. Kirsch, Chairman, Department of Statistics, George Washington University, 2201 G Street, N. W., Room 315, Washington, D. C. 20052. George Washington University is an Equal Employment Opportunity/Affirmative Action Employer.

Biostat/Epidemiologist Veterans Administration

Biostatistician/Epidemiologist to become part of research team studying Vietnam veteran mortality. Master or doctorate in biostatistics or epidemiology, strong background in collecting and analyzing data from occupational health and mortality follow-up studies. Familiarity with SAS useful. GS-11/12/13 (\$24,508 -\$45,406). SF-171 to Dr. William F. Page, Chief, Biometrics Division (712), Veterans Administration, 810 Vermont Avenue, N. W., Washington, D. C. 20420. AA/EOE

OR/MS TECHNOLOGIES, HARDWARE, AND HUMAN FACTORS SYMPOSIUM

Washington Operations Research/Management Science Council Wednesday, November 10, 1982

Marvin Center, The George Washington University Between H & I Streets on 21st Street, N. W.

The objective of this Symposium is to survey, display, discuss, and demonstrate currently available implementations of OR/MS technology. In particular, user-friendly, inexpensive computer packages immediately useful to the OR/MS practitioner will be featured. Both underlying OR/MS theory and practical applications will be stressed. Registration fee is \$45 in advance or \$50 at the door for nonWORMSC MEMBERS. For information contact C. Richard Conger, MITRE Corp., 1820 Dolley Madison Blvd., McLean, Virginia 22102, Mail Stop W 424.



AMERICAN STATISTICAL ASSOCIATION 806 Fifteenth Street, N. W., Washington, D. C. 20005

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