CALENDAR

WSS Sponsored

Topic:	Statistical Judgements
Speaker:	Charles R. Mann, Ph.D., Charles R. Mann Associates, Inc., Washington, D.C.
Date and Time:	Thursday, 16 September 1982, 12:30–2 P.M.
Location:	Room BE069, Forrestal Building, Independence Avenue, between 7th and 12th, Washington, D.C.

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WSS SPECIAL MEETING

Topic:	The Need for a Two-Year Budget Process
Speaker:	THE HONORABLE DAN QUAYLE, Senator from Indiana
Date and Time:	MONDAY, September 20, 1982, 12:30–2 P.M.
Location:	Room 318, Russell Senate Office Building, Constitution and Delaware Aves., Washington, D.C.

Topic:	Imputation of Missing Values
Speaker:	John S. Greenlees, Bureau of Labor Statistics
Date and Time:	Wednesday, 22 September 1982, 12:30–2 P.M.
Location:	Main Commerce Building, Room 3407 (note change)

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Topic:	A Method for Missing Unobtainable Data on Air Pollution
Speaker:	Prof. Yashaswini Mittal, Department of Statistics, Va. Polytechnic Institute & State University
Date and Time:	Friday, 8 October 1982, 12:30 P.M.
Location:	GWU, Rm. 310, Bldg. C, 2201 G Street, NW, Washington, DC

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Topic:	Polling Affairs of State: Secondary Analyses of Survey Data in the State Dept.
Speaker:	Alvin Richmond, Ph.D., Senior Public Opinion Analyst, Department of State
Date and Time:	Thursday, October 21, 1982, 12:30–2 P.M.
Location:	Room 3000A, Federal Building, 12th & Pennsylvania Avenue, N.W.

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Topic:	The Variability of Household Specific ~~Prince~~ PRICE Indexes
Speaker:	Robert Hagemann, Bureau of Labor Statistics
Date and Time:	Tuesday, October 26, 1982, 12:30–2 P.M.
Location:	Room N3437 A&B, Department of Labor

WSS Party in Honor of W. E. Deming
Thursday, Oct. 14
Cocktails (Cash Bar)
Dinner
GW University
Faculty Club
Marvin Center
(Reservation necessary)

WORKSHOP ON IMPROVING FEDERALLY FUNDED SURVEYS

Dates:		
	September 28	– Design of Surveys and Field Work
	October 5	– Data Processing and Analysis of Results
	October 12	– Preparing Study Requirements

Locations: Department of Energy Conference Hall–Room 3000-A, 12th and Pennsylvania Avenue, N.W.

Additional Details Inside Newsletter

Topic: Statistical Judgments
Chair: Lee-Ann C. Hayek, Ph.D., Smithsonian Institution
Discussants: Joseph Gastwirth, Ph.D., George Washington University, Richard T. Sampson, Esq., Chair, Federal Bar Association Committee on Equal Employment Opportunities; Semmes, Bowen & Semmes, Baltimore, Maryland

Abstract: An examination of two instances of statistical analysis which continue to be the subject of court rulings. The issues of Underutilization and the Eighty-Percent Rule will be considered as they are viewed by statisticians, the courts and others.
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Topic: The Need for a Two-Year Budget Process
Speaker: THE HONORABLE DAN QUAYLE, Senator from Indiana

Abstract: The Budget and Oversight Reform Act of 1981 (S. 2008) would replace the current annual Federal budget cycle with a two-year budget process. The bill also provides for more timely oversight of authorizing legislation and appropriations.

Since passage of the Budget and Impoundment Control Act of 1974, the first and second budget resolution deadlines have been met only twice out of eleven reporting dates. The record on appropriations has been equally dismal. Since 1976, the first year in which the Budget and Impoundment Control Act actually went into operation, only once were all appropriations bills enacted at the beginning of the fiscal year (FY 77), and even in that year a continuing resolution was needed to fund some programs. Over the past five years, ten continuing resolutions have been enacted. Today, much of the Federal government is still operating on the basis of a continuing appropriation.

The necessity for moving to a longer budget cycle has become increasingly evident to those who support the budget process. Currently, the two budget resolutions and the multiple authorization and appropriation bills create too many legislative activities for a one-year period and allow too little time for program oversight.
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Topic: Imputation of Missing Values
Chair: Cathy Dipps, Bureau of Labor Statistics
Discussant: Robert Fay, Bureau of the Census

Abstract: A method is developed for imputting missing values when the probability of response depends upon the variable being imputed. The missing data problem is viewed as one of parameter estimation in a regression model with stochastic censoring of the dependent variable. The prediction approach to imputation is used to solve this estimation problem. Wages and salaries are imputed to nonrespondents in the Current Population Survey and the results are compared to the nonrespondents' IRS wage and salary data. The stochastic censoring approach gives improved results relative to a prediction approach that ignores the response mechanism.
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A METHOD FOR MISSING OR UNOBTAINABLE DATA ON AIR POLLUTION

The EPA air quality standards are based on levels of air pollutants in the air when they are observed at the specific frequency. For various practical reasons it is not always possible to make observations as frequently as specified. The discrepancy can best be treated as unobtainable data. For example, the standard for particulates in the air is 8 parts per hundred million for observations made every 3rd day. The collection and analysis of observations for particulates is an expensive and lengthy operation. The BAAPD (Bay Area Air Pollution District, located in San Francisco) wanted to reduce the frequency to every six days. We give the level for every 6 day observation that would ensure that the EPA standards are satisfied with probability P for any P between 0 and 1. The same technique can be used to deal with randomly missing data.

Dr. Alvin Richmond will describe his responsibilities in the collection and interpretation of various public opinion surveys dealing with foreign affairs issues.

He will present recent examples of the findings and analyses which have proven most useful for his purposes.

Issues to be discussed will include public perceptions and preferences regarding:
1. Nuclear Arms Control
2. Middle East Situation
3. El Salvador—U.S. Problems

WSS Party in Honor of W. E. Deming

The Washington Statistical Society will mark the celebration of a special birthday event in honor of the distinguished member whose work has established his name as the world's foremost in the application of statistics.

This special activity will include a banquet and enjoyable festivities. Nationally prominent statisticians will participate in the occasion.

Date and Time:	THURSDAY, October 14, 1982, Cocktails (Cash Bar): 6:00-8:00 P.M. DINNER: 7:30 P.M.
Location:	George Washington University Faculty Club, Marvin Center, 3rd Floor, 800 21st Street, NW, Washington, D.C.
Cost:	$13.00 per person (includes tax and tip)
Entree:	Veal Birds A La Madeira
Reservations:	Reservation must be made by OCTOBER 8. Please make checks payable to WSS and mail to Charles Roberts, 4501 Cheltenham Drive, Bethesda, Maryland 20814 [Work telephone: 357-1678]

Print Name(s) for Tags_____

Address_____

Telephone _____   Number in Party _____

Sponsor:	NIH
Topic:	Closed Adaptive Sequential Procedures for Selecting the Best Bernoulli Procedure
Speaker:	Professor Robert E. Bechhofer, College of Engineering, Cornell University
Date and Time:	Friday, 1 October 1982, 11:00—12:30 P.M.
Location:	National Institutes of Health, Landow Building, Conference Room A (1st Floor), 7910 Woodmont Avenue, Bethesda, Maryland

THE WASHINGTON STATISTICAL SOCIETY WILL SPONSOR A SERIES OF WORKSHOPS ON FEDERALLY FUNDED SURVEYS

Professional statisticians and survey researchers have been greatly concerned in recent years about the deteriorating quality of surveys conducted under Federal sponsorship. One of the key points of failure has been a lack of understanding and appreciation by Federal contract officers and project monitors concerning the intricacies of conducting high quality surveys. The Washington Statistical Society is sponsoring three-half day workshops for Federal project monitors and contract officers, in order to help them conduct their difficult task better. The purpose of the workshops is not to make these persons qualified statisticians and survey researchers, but rather to help them understand the details of survey research better and to point out things they should look for in monitoring survey projects.

These free workshops will be held in three* consecutive Tuesday afternoons in early Fall, in the Department of Energy Conference Hall, Room 3000A, 12th & Penn. Ave., NW, Washington, D.C. The tentative schedule is as follows:

September 28 – A workshop on the design of surveys (research design, sample design and questionnaire design) and fieldwork (personal interviews, telephone interviews, and self-administered questionnaires). The chairperson of this session is Charles Turner, National Academy of Science, with two lecturers, (1-5 P.M.).

October 5 – A workshop on data processing (receipt, coding and editing, input and computer tabulation and analysis of results (statistical analysis and modelling, interpretation of results, and presentation of results). The chairperson of this session is Dr. Barbara Bailar, U.S. Census Bureau, with two lecturers, (1-5 P.M.).

October 12 – A workshop on preparing study requirements and writing a Request for Proposal. The chairperson of this session is Mr. Donald W. King, King Research, Inc. He will be assisted by Mr. Douglas Berninger, RFP, Inc. (1-5 P.M.).

This notice serves two purposes:

(1) Members of the Washington Statistical Society are invited to attent the Workshops.

(2) Members of the WSS are asked to distribute this notice to nonmembers who are known to be interested in Federally-sponsored survey research or who are monitoring survey research projects.

The workshop is considered to be vital to all those involved with Federally-funded survey research. For further details, contact Mr. Donald W. King or Ms. Helen Kurtz, King Research, Inc. (881-6766) 6000 Executive Boulevard, Rockville, Maryland 20852.

*A certificate will be issued to each person who attends all the three sessions.

NATIONAL CENTER FOR HEALTH STATISTICS SEMINAR

Thursday, October 21, 1982 — 1:30 P.M. - 2:30 P.M.

Center Building, Room G-20, 3700 East-West Highway, Hyattsville, Maryland

Topic: VARIANCE ESTIMATION

Variance estimators under several sample designs are proposed and compared when auxiliary information is available. Improvement of the bias and mean square error over some estimators commonly used and practiced is illustrated. A Monte Carlo comparison of the estimators is also presented.

Speaker: Cari Isaki, Ph.D., Bureau of the Census, Washington, D.C.

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

PRELIMINARY ANNOUNCEMENT & CALL FOR PAPERS FOR A
ONE-DAY CONFERENCE ON THE THEME

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

Saturday, November 6, 1982 at Blacksburg, Virginia

PROFESSOR DENNIS LINDLEY
(Visiting Professor, GWU)

PROFESSOR BRADLEY EFRON
(Department of Statistics, Stanford University)

PROFESSOR JACK GOOD
(University Distinguished Professor, VPI&SU)

There will be two sessions for contributed papers. Papers should be in the general areas related to the theme of the conference. Titles of the papers should be sent before SEPTEMBER 20, 1982 to: 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 Univ., Blacksburg, Virginia 24061, Telephone: 703/961-5657.

SYMPOSIUM COMPUTER APPLICATIONS IN MEDICAL CARE
The George Washington University Medical Center
Office of Continuing Medical Education

(October 30 to November 2 at the Sheraton Washington, Washington, D.C.)

(mailed 9/17/82)