

WASHINGTON STATISTICAL SOCIETY

NEWSLETTER

Calendar

October	1	Tuesday	Data Reliability in the Current Population Survey
October 0	8	Tuesday	A Multipurpose Optimum Allocation Algorithm
October	8	Tuesday	Multiple Imputation for Interval Estimation
October	10	Thursday	The Analyses of Human Leukocyte Antigen Data With No Double
			Recessives
October	18	Friday	Mathematics and Statistics of Generalized Mixed Exponential
			Distributions
October	23		Techniques for Preserving Statistical Confidentiality
October	30	Wednesday	A Markov Chain Model for Illinois Corn Yields
November	8	Friday	Statistical Methods for Longitudinal Studies
November	15	Friday	FEE EVENT: Short Course on Generalized Linear Models

Random Bits by Mary Grace Kovar, WSS President

The invitation to join the Washington Statistical Society says that the WSS is an interactive forum for the exchange of information. The major means of the WSS communicating with members is clear; it is the Newsletter that you are reading. The means by which members can communicate with the WSS and with one another is not always so clear.

This issue of the WSS Newsletter includes the name and telephone number of each member of the Executive Board, the Program Board, and the Chairperson of each current committee. These names and telephone numbers are for you to use.

If you have ideas of things that the WSS should be doing or could be doing better, let us know. There is a special committee this year, the Strategic Planning Committee, so this is a good time to suggest changes that should be considered. You can call Charles Mann or me.

If you have an idea for a session or a short course, please call the appropriate member of the Program Board. You know what you are doing, what is happening in your organization, and what people are coming in from out of town. The people who chair the program sections simply cannot know everything that is going on, no matter how hard they (Continued)

WASHINGTON STATISTICAL SOCIETY PROGRAM CHAIRS

Bublic Health & Discretistics

Agriculture & Natural H	esources	Public Health & Diostatistics		
Fred A. Vogel	447-3638	Jai Choi	436-7047	
Gary Liberson	363-7140	GooLoo Wunderlich	245-2100	
Economics		Social & Demographic S		
Bette S. Mahoney	697-5655	Lee-Ann C. Hayek	357-1587	
Wray Smith	528-2772	Donald J. Hernandez	763-7950	
Physical Sciences and E	Engineering	Statistical Computing		
Seymour Selig	334-3522	Harry Foxwell	872-8058	
Nozer Singpurwalla	676-7515	Ron Steele	475-3483	

Short Courses Virginia deWolf Josefina Lago Andrew A. White	275-5801 251-1500 436-7022
Methodology Cathryn Dippo Mary Mulry-Liggan	523-1874 763-7140
Newsletter Editor Julia Oliver	252-5744
Employment Evelyn Kay	331-1153

Random Bits by Mary Grace Kovar, WSS President (Continued)

work, unless you tell them. Please do so, and do it as far in advance as possible so that sessions and courses can be arranged.

The committees also need information from you. Please tell Paul Ahmed of people who might like to be members of WSS, Terry Ireland of people who could be nominated to office in WSS, or Katherine Wallman of anyone who should be nominated to be Fellow of ASA. Tell Evelyn Kay if you have a job opening or are seeking a position.

The WSS will be celebrating its 60th birthday in 1986, and we are already planning for the annual dinner to be a birthday party. The Social Committee and the History Committee members will appreciate your help.

Nancy Kirkendall will try to reconstruct as much of the 60-year history as she can. The files are good for recent years, but the only information about early years is in people's memories. Pleace call Nancy if you remember who the officers were, have old Newsletters, or remember interesting stories about WSS and its members.

In case you have forgotten:

The Newsletter is put together five weeks before publication. Julia Oliver has to have all of the information for the Newsletter that far in advance.

Announcements promoting products are not acceptable for the Newsletter, which does not have rates for paid advertising at this point. Announcements of professional meetings to be held in Washington, of special events, of Federal meetings open to the statistical community are welcomed.

The Employment column is open to all members of the WSS without charge.

Anyone who is in Washington for a year - on a Sabbatical or an assignment to an agency - is welcomed as a Guest Member. Call Rich Allen if you know of such people so that he can add their names to the list of people to receive the Newsletter.

Finally, Barbara Bailar, an active member of WSS, has been elected as President of the American Statistical Association. Our congratulations to Barbara. We'd also like to offer her all the help we can to make her term as president as successful as she deserves.

PROGRAM ABSTRACTS

TOPIC: Data Reliability in the Current Population Survey (CPS)

SPEAKER: Colm O'Muircheartaigh, Census and the London School of Economics

Janice Shack-Marquez, Bureau of Labor Statistics CHAIR:

Joseph Waksberg, WESTAT DISCUSSANT:

DATE AND TIME: Tuesday, October 1, 1985; 12:30-2:00 p.m.

GAO Auditorium, 441 G Street, N.W., Washington, D.C. LOCATION:

ABSTRACT: An improved estimate of simple response variance for CPS data will be

presented. The level of response variance and of the index of

inconsistency for different types of respondents will be examined both for self-report and for proxy-reports. Some applications of the results

will be suggested.

TOPIC: A Multipurpose Optimum Allocation Algorithm SPEAKER: James Bethel, U.S. Department of Agriculture DATE AND TIME: Tuesday, October 8, 1985; 12:30-2:00 p.m.

Room 5219 South Agriculture Bldg. LOCATION:

ABSTRACT: A simple and efficient algorithm is developed for optimally allocating

> multivariate survey samples. The algorithm is based on an iterative search among convex combinations of the best univariate allocations. proof of convergence, which uses basic convex programming theory, will be

discussed and an example will be presented.

TOPIC: Multiple Imputation for Interval Estimation Nathaniel Schenker, Bureau of the Census SPEAKER:

Robert Fay, Bureau of the Census CHAIR:

Fritz Scheuren, Internal Revenue Service DISCUSSANT: DATE AND TIME: Tuesday, October 8, 1985; 12:30-2:00 p.m. LOCATION:

IRS Auditorium, 1111 Constitution Avenue, N.W.

ABSTRACT: Multiple imputation is a method of handling nonresponse in surveys by replacing each missing datum with two or more values representing a

distriubtion of likely values. This allows the data analyst to assess between-imputation variability as well as within-imputation variability.

In this seminar, multiple imputation techniques and methods of constructing interval estimates using multiply imputed data will be described. Analytic and Monte Carlo results concerning the coverage properties of multiple imputation intervals for the population mean will

be presented. Exploratory work on a project involving multiple

imputation of 1980 industry and occupation codes to a 1970 Census Bureau

public-use sample will also be discussed.

TOPIC: The Analyses of Human Leukocyte Antigen Data with No Double Recessives

John Gart, National Institutes of Health (NIH) SPEAKER: James Dambrosia, NIH CHAIR: DISCUSSANT: William Blackwelder, NIH

DATE AND TIME: Thursday, October 10, 1985; 1:30-3:30 p.m.

LOCATION: Landow Building, Conference Room A, 7910 Woodmont Avenue, Bethesda, MD The methods of score tests and heterogeneity (or discrepancy) chi-square ABSTRACT:

tests are applied to Human Leukocyte Antigen data wherein no double

recessives are observed. The principle results are: 1) A score test for the possibility that the true recessive frequency may exceed zero in such

circumstances and 2) Two-omnibus tests of equality of the gene

frequencies in two groups, say cases in control, depending on whether the

estimated recessive gene frequency may or may not be zero.

PROGRAM ABSTRACTS (CONTINUED)

TOPIC: Mathematics and Statistics of Generalized Mixed Exponential Distributions

SPEAKER: Carl Harris, George Mason University
CHAIR: Seymour Selig, National Research Council
DATE AND TIME: Friday, October 18, 1985; 12:30-2:00 p.m.

LOCATION: University of the District of Columbia, Bldg 39, Conference Room 301 E&F

4200 Connecticut Avenue, N.W.

ABSTRACT: Mixtures of distributions have found increasing applications of late.

Exponential forms are particularly useful because of their importance in general function theory, and the reasonable ease of statistical inference for them. It has in fact been show that any distribution may be well

approximated by linear combinations of exponentials with mixing

parameters not constrained to be positve.

TOPIC: Techniques for Preserving Statistical Confidentiality

SPEAKERS: Gordon Sande, Statistics Canada, and Larry Cox, Bureau of the Census

CHAIR: Nancy Spruill, Department of Defense

DATE AND TIME: Wednesday, October 23, 1985, 12:30-2:00 p.m.

LOCATION: Room GJ-015, U.S. Department of Energy, 1000 Independence Ave., S.W. ABSTRACT: Confidentiality protection is a basic part of the operations of a

statistical agency. Techniques and challenges in the areas of a.) release of microdata, b.) frequency tabulations and c.) magnitude tabulations will be reviewed. Various operational problems and some

research in progress will be reviewed.

TOPIC: A Markov Chain Model for Illinois Corn Yields SPEAKER: Thomas R. Birkett, U.S. Department of Agriculture DATE AND TIME: Wednesday, October 30, 1985; 12:00-2:30 p.m.

LOCATION: Room 5152 South Agriculture Bldg., 12th and Independence Ave., S.W. ABSTRACT: An irreversible absorbing Markov chain is fit to USDA corn objective

yield data. The variables normally used as the predictor variables in a regression model are used to define the transient states of the Markov

chain. The absorbing states are discrete classes of gross yield.

UPCOMING SESSIONS

November 8 Statistical Methods for Longitudinal Studies

November 15 FEE EVENT: Shortcourse on Generalized Linear Models

Report on ASA Board of Directors Meeting August 3-4, 1985 by Eva E. Jacobs

The Board discussed and took action where necessary on the following issues:

1. ASA election results were announced. Of particular interest to WSS was the election of Barbara Bailer as President-elect. Mary Grace Kovar, WSS president, is Chair-elect of the Social Statistics Section and Joseph Waksberg is Chair-elect of the Section on Survey Research Methods.

(Continued)

Report on ASA Board of Directors Meeting August 3-4, 1985 by Eva E. Jacobs (Continued)

- 2. Two new chapters, Mid-Michigan and Chihuahan Desert International, were approved. Guidelines for establishing and dissolving chapters were approved.
- 3. Financial reports were reviewed. The status of the Buildings and Development fund was reported. The future direction of the fund campaign will be addressed at the Board meeting in November. Recommendation on requests by committees for 1986 funds will be made in September for Board decision in November. A recommendation was approved that Continuing Education be treated like other activities and not be required to be self-supporting.
- 4. After extensive investigation of the alternative in-house computer systems proposed by DISC and Wang for ASA, the group appointed by the Board to review the proposals chose the Wang/IMC systems. An Information Systems Manager will be hired. The conversion process will begin by early September.
- 5. A committee will be set up to review the dissemination of the ASA directory in the future. The new computer environment of the ASA office should permit the incorporation of more timely data.
- 6. Guidelines for cooperative cosponsorship of meetings with other societies were approved. The document covers types of groups, level of cosponsorhip, member involvement, financial arrangements and publicity and access.
- 7. There was discussion of a cooperative agreement with EPA. The executive Committee was given authority to conclude such an agreement provided that ASA activities were limited to educational activities.
- 8. The Strategic Planning process is now underway in the chapters and sections in accordance with the strategic planning framework developed by the strategic planning group. Reports will be sent ASA by September. There will be a special ASA Board meeting November 1-3 devoted entirely to this activity.
- 9. President Neter was authorized to write to the National Academy of Sciences to urge that there be greater representation of statisticians in the academy and to support the request for establishment of a separate section on statistics.
- 10. A resolution was voted on which deplored discrimination against sexual minorities. The vote was indecisive (2/3 approve of the entire Board is required) and the absent members of the Board were to vote by mail.
- 11. New editors for JASA and JBE were approved. There was also a great deal of discussion about ASA sponsored publications, problems of royalty allocations and approval of publications. This is clearly an area that will require more extensive investigation.

I would be please to hear from WSS members on these or other issues of interest before the next Board meetings in November.

Eva E. Jacobs
District 1 Representative
Bicentennial Building, Room 4216
Washington, D.C. 20212
272-5156

OTHER ANNOUNCEMENTS

August Board Meeting Notes

The August 27th meeting of the Board of Directors was largely devoted to discussion of special emphases for the upcoming year. President Mary Grace Kovar announced her desire to focus on preparation for a WSS 60th anniversary celebration in conjunction with the Annual Dinner next June. Nancy Kirkendall will aid in those interests by serving as a historian for this year.

Kovar reported on the Council of Chapters meetings held in Las Vegas. Those sessions illustrated the uniqueness of WSS in size, program, and activities compared to other chapters.

Program planning for this year is well underway with at least 15 program sessions and one short course already planned for the first three months of the program year.

Software Exchange and Computer Theater at the American Public Health Association (APHA) Meeting, November 18-21, 1985.

Members of the WSS who are planning to attend the American Public Health Association (APHA) Annual Meeting in Washington, November 18-21, 1985 might like to know that there will be a software exchange and computer theatre each day of the meeting. A location in one of the hotels has been set aside and microcomputers, including an IBM-PC and an Apple II+/e, will be available for demonstrations and sharing of public domain software. A schedule of demonstrations will be developed the first day and posted. The headquarters hotel for this meeting is the Shoreham.

All sessions of the Statistics Section of APHA will be at the Capital Hilton. The first session of the Section will be at 2 PM on Monday, November 18, 1985 at the Capital Hilton. This session, like the companion one at ASA which was sponsered by APHA, is to celebrate the 25th birthday of the National Center for Health Statistics. Members of the WSS are invited to attend this session.

WSS Membership News

Have you changed jobs or received an honor or an award? WSS members are invited to submit these announcements to Julia Oliver, P.O. Box 23502, Washington, D.C. 20026. Each submission include a daytime telephone number for vertification purposes. Deadline for inserting notice is five (5) weeks before the publication date.

Ron Bosecker is the new Chief of the Methods Staff of the Statistical Report Service, USDA. Ron was most recently the Assistant Statistician in charge of SRS's California State Statistical Office.

Joseph L. Gastwirth, Professor of Statistics at George Washington University, is on a years sabbatical leave at the Department of Statistics, University of California-Davis.

Samuel W. Greenhouse, Professor of Statistics, at the George Washington University, became Chairman of the Department of Statistics/Computer and Information Systems on September 1, 1985. Dr. Greenhouse replaces <u>Dr. Arthur Kirsch</u> who resigned after four years as Chairman. Dr. Kirsch will continue to teach statistics courses within the department.

OTHER ANNOUNCEMENTS (CONTINUED)

Fellowship Announcement

American Statistical Association/NSF/Census Bureau Research Fellowships and Associateships beginning around September 1, 1986. Positions at Census Bureau for one year or shorter period. General areas for research are social and demographic studies, economic measurement and analysis, and statistical methodology and computing. Requirements: for Fellows, Ph.D and research record in relevant field (e.g. Demography, Sociology, Statistics, Economics); for Associates, at least two years graduate study in relevant field. Salaries are commensurate with qualifications and experience; also, fringe benefits and a travel allowance are provided. Apply by January 1, 1986 for Fellows and February 15, 1986 for Associates. For information, contact Dr. Daniel Kasprzyk, Special Assistant for SIPP Research, Room 2024-3, Population Division, Bureau of the Census, Washington, D.C. 20233 (301-763-5784).

EMPLOYMENT COLUMN

Deadlines for inserting notices is five (5) weeks before the publication date

Send notices and request to: Evelyn R. Kay 202/331-1153 520-22nd Street, NW Washington, DC 20037

JOB OPENINGS

Price-Waterhouse is expanding its statistical staff to support efforts involving survey design and administration, data analysis, modeling, and forecasting. Qualifications include an advanced degree in statistics, computer programming experience, acknowledge of survey methods, and strong written and oral communication skills. Send resume to D. A. Harrington, Price-Waterhouse, 1801 K Street, N.W., Washington, D.C. 20006.

DIRECTORY WASHINGTON STATISTICAL SOCIETY

1985-86 Executive Board, Program Board and Committees

Executive Board

TITLE	NAME	Work Telephone
President:	Mary Grace Kovar	436-7105
President-Elect:	Daniel Kasprzyk	763-5784
Past President:	Terry Ireland	(301) 859~6104
Secretary:	Rich Allen	447~3896
Treasurer:	Bennie A. Clemmer	(301) 597-6856 or FTS 987-6856
Representative to ASA Board District 1	Eva E. Jacobs	272-5156
Representative to ASA Council	Maria Gonzalez	395-3087
Representative at Large:	Wendy Alvey	376-0216
	Susan S. Ellenberg	496-4836
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	Susan Miskura	763-7670
Methodology Section Chair:	Cathryn Dippo	523-1874
Newsletter Editor:	Julia D. Oliver	252-5744
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Methodology	Catherine Dippo	523-1874
	Mary Mulry-Liggan	763-7140
Social and Demographic	Lee-Ann C. Hayek	357-1587
	Donald J. Hernandez	763-7950
Statistical Computing	Harry Foxwell	872-8058
	Ron Steele	475-3483
	(Continued)	

PROGRAM BOARD (CONTINUED)

TITLE	NAME	Work Telephone
Agriculture and Natural Resources	Fred Vogel	447-3638
	Gary Liberson	363-7140
Economics	Bette S. Mahoney	697–5655
	Wray Smith	528-2772
Physical Sciences and Engineering	Seymour Selig	334-3522
	Nozer Singpurwalla	676-7515
Public Health and Biostatistics	Jai Choi	436-7047
	Gooloo Wunderlich	245-2100
Short Courses	Virginia deWolf	275-5801
	Josefina Lago	251-1500
	Andrew A. White	436~7022
Newsletter Editor	Julia D. Oliver	252-5744
	COMMITTEES	
Nominating	Terry Ireland	(301) 859-6104
	Nancy Gordon	226-2669
	Daniel Kasprzyk	763-5784
Shiskin Award	Lillian H. Madow	(415) 856-2839
Fellows	Katherine Wallman	783-5808
	Earl S. Pollack	229-5109
Membership	Paul Ahmed	436-7039

(Continued)

COMMITTEES (CONTINUED)

TITLE	NAME	Telephone
President's Award	Terry Ireland	(301) 859-6104 or FTS
	Mary Grace Kovar	436-7105
	Daniel Kasprzyk	763-5784
Employment	Evelyn R. Kay	331-1153 (HOME)
Social	Marilyn McMillen	436-7075
	David McMillen	763-5784
Arrangements	Ayah Johnson	785-8400
Newsletter Editor	Julia D. Oliver	252-5744

Strategic Planning Committee WSS 1985-86

Chair:

Charles R. Mann

466-6161

Members:

Daniel Kasprzyk, President-Elect

763-5784

Bennie A. Clemmer,

Treasurer

(301) 597-6856 or

FTS 987-6856

9-28

Wendy Alvey

Rep-at-Large

376-0216

Ex. Off.:

Mary Grace Kovar,

President

436-7105



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