

# Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



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NEWSLETTER - DECEMBER 1974

December 4 - Research on Record Linkage System Flow for Developing List Frames From Multiple Lists  
December 6 - New Methods for Comparing Income Data From Survey and Administrative Sources  
December 10- BLS's Table Producing Language (TPL)

## AGRICULTURE STATISTICS PROGRAM

**Topic:** Research on Record Linkage System Flow for Developing List Frames from Multiple Lists

**Chairperson:** William E. Kibler - Statistical Reporting Service  
U.S. Department of Agriculture

**Speakers:** Norman Beller - U.S. Department of Agriculture  
Benjamin Klugh - U.S. Department of Agriculture

Research on methods for linking records (names, addresses, and related information) in developing sampling frames from multiple list sources. Methods, logic and philosophy developed in (1) creation of name and address dictionaries, (2) data manipulation of names and addresses, (3) supplementary data classification, and (4) adaptation of the DuBois and Fellegi-Sunter linkage models will be described. Typical examples of the manipulation of name records are reviewed to illustrate data manipulation.

**When & Where:** Wednesday, December 4, 1974, 12:30 p.m. - 2:00 p.m.  
Tower Building, 1401 K St.N.W., Basement Conference Room. To gain entrance to the building, show the Guard a copy of the Newsletter announcing the society meeting.

**PLEASE HELP:** We need your help in keeping program meeting places clean, so that the society will be welcome guests to use the space for future meetings. Please remove and dispose of, at the end of the society meeting, litter we cause (smoking material, food wrappers, drink containers, extra handout materials, etc.) Usually another group is scheduled to use the space immediately following our meeting. If the space we use forbids smoking, eating or drinking, please observe these rules.

JOINT METHODOLOGY AND SOCIAL AND DEMOGRAPHIC  
STATISTICS PROGRAM

**Topic:** New Methods for Comparing Income Data from Survey and Administrative Sources

**Chairperson:** Jackie Kennedy, Howard University

**Speakers:** H. Lock Oh, Social Security Administration  
Fritz Scheuren, Social Security Administration

**Discussant:** Barbara Bailar, Bureau of the Census

The speakers will discuss some analytic techniques they have been developing as part of the joint work in matching administrative and survey data that is being carried out at the Census Bureau and the Social Security Administration. New display devices and models will be presented which can aid in the comparison of income size distributions from these different sources.

When and Where: Friday, December 6, 12:30 - 2:00 p.m.  
Martin Luther King Library,  
901 G St.N.W., Room A5

COMPUTER TECHNOLOGY PROGRAM

**Topic:** BLS's Table Producing Language (TPL)

**Chairperson:** Richard Taeuber, National Academy of Science

**Speakers:** Rudolph C. Mendelsohn, Assistant Commissioner,  
Office of Systems and Standards, U.S. Department of Labor  
Peter B. Stevens, Chief, Division of General Systems,  
U.S. Department of Labor

A national statistical agency such as the Bureau of Labor Statistics (BLS) usually produces the results of its surveys in tabular form at the cost of a substantial portion of its data processing resources. The tables are often quite complex with common requirements for cross tabulation of irregular patterns of hierarchical data files with many intermediate levels of summarization, percentage distributions, measures of statistical precision, and intricate publication formats. The Table Producing Language (TPL) has been designed and implemented as a general tool for producing statistical tables.

The syntax of the language allows the user to construct expressions representing the desired tables and auxiliary operations. The expressions are problem oriented, nonprocedural, compact, and written with English-like nomenclature. Together with a Codebook, they allow the specification of complex data reduction, cross tabulation, and table generation operations. Users may be research economists, statisticians and other social scientists who need not have experience with conventional computer programming languages, as well as computer oriented staff concerned with production tasks.

When and Where: Tuesday, December 10, 1974, 1:00 p.m. to 2:30 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.)

JOB APPLICANT

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 Street, S.W., Room 5125, Washington, D.C. 20590.

Code NumberApplicant

147-11-4

(1) B.S. Mathematics, Accounting and Economics; M.S. Statistics;  
 (2) Sampling theory, quality control, survey design, mathematical statistics; (3) 23 years experience;  
 (4) GS-13; (5) Government in metropolitan D.C. or Montgomery County.

CODE:

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

## Job Openings

National Naval Medical Center - Contact Jennie Cherry:NNMC:C:31

### GS-11 Statistician (Health)

Duties involve assisting Senior Statistician (GS-14) in the Statistics and Data Management Center for the Kidney Tissue Histocompatibility Study (KTHS). This study involved 35 transplant hospitals designed to determine the utility of tissue typing in predicting the survival of cadaver kidney transplants. In this connection incumbent will analyze and summarize statistical data concerning the Data Base which requires data collection from 10 different forms and the selection of appropriate statistical techniques from standard or slightly modified approaches. Expresses general questions or problems in a form suitable for programming.

It is desirable the incumbent possess a master's degree in Biostatistics or Statistics: Experience in multiple linear regression, and been involved in a large survey in the clinical or health survey in the clinical or health science related area is also desirable.

### GS-14 Statistician

Incumbent develops, supervises and interprets the analysis of data obtained in the above study. A Ph.D. in biostatistics, biometry or statistics with at least one year experience involving clinical or health science problems is desirable. Training in linear models, multivariate analysis, and survival statistics is also desirable.

## The Valve Manufacturers Association

### Statistician/Economist

We are seeking a person with an undergraduate degree in either economics or statistics and a graduate degree in the same, although one or two years' experience may be substituted for the graduate degree requirements. The individual will be required to manage a statistical program for the valve industry. This will involve managing a monthly program of statistics (which are on a computer program), developing industry studies such as Wage Rate Studies, Compensation Surveys, Market Forecast. The person is not required to have an extensive knowledge of computer programming, rather a very basic familiarity with computer applications. This is a full-time position. Start \$15,000 per year. Contact Gregory B. Hall, Executive Secretary, 546-5911.