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Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



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1978 OCTOBER NEWSLETTER (Mailed on October 3)

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| October 26: | The Makeham Model for Analysis of Survival Data |
| October 31: | The Employment Cost Index (ECI). Its Uses and Statistical Implementation |

Physical Sciences and Engineering

- Topic:** The Makeham Model for Analysis of Survival Data
- Speaker:** R. Clifton Bailey, Head, Data Analysis Office, Naval Medical Research Institute
- Chair:** Nancy R. Mann, The George Washington University
- Abstract:** The Makeham model is perhaps best known among actuarial scientists for its long history of application to mortality data. In this application the Makeham model typically displays an increasing risk function. For the analysis of kidney graft survival data the use of a reparameterized form of the Makeham model has been proposed. In this form the Makeham model has a decreasing risk function. The decreasing risk form has also been applied to physical property survival. Also the three structural parameters take on a simple, intuitive meaning which is especially useful for the interpretation of data analyses when concomitant variables have been introduced into each of the structural parameters. This line of research has been applied to physical and engineering systems in the past, but seems to have escaped from the mainstream of the current literature.
- When and Where:** 26 October 1978, 12:30 - 2:00 p.m., IRS Auditorium, IRS Building, 7th floor. (Please use entrance at 1111 Constitution Avenue, and bring a copy of this newsletter to show the building guard.)

Methodology and Economics Sections

Topic: The Employment Cost Index (ECI): Its Uses and Statistical Implementation

Speakers: Victor J. Sheifer, Bureau of Labor Statistics
Harry Marks, Bureau of Labor Statistics

Chair: Edward A. Robinson, Bureau of the Census

Discussants: Daniel J. B. Mitchell, Senior Fellow, Brookings Institution, on leave from UCLA
Joseph Steinberg, Survey Design, Inc.

The Employment Cost Index (ECI), now being developed by the Bureau of Labor Statistics, will provide a comprehensive measure of change in rates of employee pay.

The first paper discusses the factors leading to the new series, its uses, its conceptual framework, the translation of the concepts into data requirements and index computation.

The second paper discusses the survey design, including sample selection, estimation procedures and variance estimation. The sample is selected in stages, the final stage involving the use of two-way controlled selection.

When and Where: Tuesday, October 31, 1978, 12:30 - 2:00 p.m., Martin Luther King Library, Room 315, 9th and G Streets, N.W., Washington, D. C.

EMPLOYMENT COLUMN

Deadline for inserting notices is the 12th of the month preceding the publication date

Send notices and requests to:
Evelyn R. Kay
National Center for Education Statistics
400 Maryland Avenue SW
Washington, DC 20202 202/245-8340

J O B O P E N I N G S

Statistician (Medicine)
GS-1530-9/11

Duties involve assisting Senior Statistician (GS-14). Establishes and maintains a statistical software system enabling investigators to easily enter data into the computer, perform simple data management functions on the data, and access the data with a wide variety of statistical procedures. Develops and implements computer programs. This includes simulation and Monte Carlo programs to evaluate new statistical techniques and experimental designs. A master's degree in Biostatistics or Statistics is desirable as well as experience involving a large survey in the clinical or health science-related area. Position is located in Naval Medical Research Institute, Bethesda, Md. Contact Ms. Jennie M. Cherry, Personnel Staffing Specialist at 295-1420.

Biostatistician
\$16-20,000

Part- or full-time, to work on clinical trial including study design, data management and analysis. A master's degree with some experience or consulting in biomedical or epidemiological research is desirable. Send resume to Richard Raymond, Biostatistics Center, George Washington University, 7979 Old Georgetown Road, Bethesda, Md. 20014.

Management Analyst
\$17-27,000

Requirements: Master's degree in business administration or public administration.

Operations Research
Analyst--\$15-30,000

Requirements: Bachelor's degree in operations research, economics, statistics, mathematics, or industrial engineering

Econometrician
\$18-30,000

Requirements: Bachelor's degree in economics or operations research.

Programer/Systems
Analyst--\$12-25,000

Requirements: Bachelor's degree in computer science, management information systems, mathematics, statistics, or industrial engineering.

The above positions are located with a management consulting firm working in project management structure, of which some areas are energy data, policy analysis, health care delivery analysis. Send resume to Ms. Edie Brandt, The Orkand Corp., 8630 Fenton Street, Silver Spring, Md. 20910, or call 585-8480.

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EMPLOYMENT COLUMN

(continued)

Mathematical Statistician
GS-1529-11/12
Fort Detrick, Md

Performs statistical services to all elements in the laboratory, including biology, chemistry, and engineering. Coordinates and maintains progress on statistical aspects of a broad spectrum of studies. Send resume to

Mrs. Bonifield, Chief Personnel Officer, U. S. Army Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Md., 21701; or call 301/663-2834 or 2314.

FIRST GENERAL CONFERENCE ON SOCIAL GRAPHICS

The Council on Social Graphics is currently planning its first general conference on social graphics to be held October 22, 23, and 24, 1978 at the Xerox Conference Center, Leesburg, Virginia. The theme of the conference is "Graphics for Data Analysis and Social Reporting." The following areas of interest will be addressed: Innovation and Adoption of Social Graphics, Graphic Forms: Their Fit to Minds and to Data, Graphic Technology, and Specific Applications.

The Council on Social Graphics is a network of diverse specialists with shared interest in the production, dissemination and use of social graphics for research and communication purposes. The conference is limited to 200 participants.

Registration forms are available by writing directly to Allan Schmidt, Chairman, Council on Social Graphics, 1990 M Street, N.W., Washington, D.C. 20036 or calling Susan Wise at (202) 223-4300 X277.