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NEWSLETTER-DECEMBER 1976

December 1 - Statistical Considerations in Mapping National Mortality Data

December 2 - The Least Squares Prediction Approach to Finite Population Sampling Theory

December 8 - Computer Technology: Convert or Redesign

December 13 - Functions Decreasing in Transposition; Applications in Ranking Problems

December 14 - Santa and the U.S. Mail

December 15 - Recent Developments in Occupational Safety and Health Statistics

PUBLIC HEALTH AND BIOSTATISTICS

Topic: Statistical Considerations in Mapping National Mortality Data

Chairman: Paul Leaverton, Office of Statistical Research, NCHS

Speakers: Joel C. Kleinman, Division of Analysis, NCHS
            David R. Slaby, Office of Statistical Research, NCHS
            Thomas J. Mason, Environmental and Epidemiology Division,
                National Cancer Institute

The National Center for Health Statistics is preparing an atlas of mortality which will display death rates for counties and other geographical units for the leading causes of death. The first speaker will discuss the Statistical issues arising in the production of this atlas (e.g., appropriate geographic units, problems relating to small populations, and methods of age adjustment). The second will review the production of county maps by computers. The third presentation will deal with the selection of communities for in-depth epidemiologic studies of communities on the basis of the geographic distribution of cancer mortality in the United States.

When and Where: Wednesday, December 1, 1976, 12:30 - 2:00 p.m.,
                 George S. Boutwell Auditorium, 7th Floor, IRS
                 Building. (Please use entrance at 1111 Constitution
                 Avenue and bring a copy of this newsletter).

METHODOLOGY SECTION

Topic: The Least Squares Prediction Approach to Finite
                Population Sampling Theory

Speaker: Richard M. Royall, Johns Hopkins University

Discussants: Morris H. Hansen, Westat, Inc.
                William G. Madow

Chairperson: Wesley L. Schaible, NCHS

Dr. Royall will sketch some of the results which have come from the least squares
prediction approach to finite population sampling theory. He will also describe
some preliminary findings of an empirical study of these results.

When and Where: Thursday, December 2, 1976, 12:30 - 2:00 p.m., George S. Boutwell
                Auditorium, 7th Floor, IRS Building, 1111 Constitution Avenue,
                N.W. (Please use Constitution Avenue entrance.)

COMPUTER TECHNOLOGY

Topic: Computer Technology: Convert or Redesign

Speaker: Rudolph C. Mendelssohn, Assistant Commissioner, Bureau of Labor Statistics

Chairman: Richard C. Taeuber, Commission on Federal Paperwork

When you convert computer programs you are somewhere on the road to using third-
generation computers to emulate second-generation machines simulating first-
generation copies of EAM systems. This is a report on how BLS broke that pattern
and redesigned all its systems for third-generation machines in third-generation mode
and learned more than it had bargained for.

When and Where: Wednesday, December 8, 1976, 12:30 - 2:00 p.m., Tower Building,
                1401 K St., N.W., Basement Conference Room.

PHYSICAL SCIENCE AND ENGINEERING

Topic: Functions Decreasing in Transposition and their Applications in
            Ranking Problems

Speaker: Professor Frank Proschan, Department of Statistics, Florida State University

Chairman: Seymour Selig, Office of Naval Research

A class of multi-variate distributions is developed which are useful in ranking pro-
blems. The corresponding densities have the natural property that the more the sample
resembles the parameter the more likely is the sample occurrence. Many standard multi-
variate distributions are shown to belong to the class under study. Basic properties
of the densities are developed and applications are found in rank order statistics.

When and Where: Monday, December 13, 1976, 11:30 - 1:00 p.m., Room 217-219,
                Building C, The George Washington University, 2201 G St.,
                Washington, D.C.

SOCIAL AND DEMOGRAPHIC STATISTICS PROGRAM

<u>Topic</u>   Santa and The U.S. Mail: A Statistical Sample

<u>Speaker:</u>   Harold Nelson, U.S. Postal Service

<u>Chairperson:</u> Marie D. Eldridge, National Center for Education Statistics, Department of Health, Education and Welfare

<u>Discussants:</u> Joseph Litzelman, General Accounting Office
Joseph Steinberg, Survey Design, Inc.

Neither sampler nor estimator nor gloom of variance will stay the swift courier from his appointed rounds. The U.S. Postal Service handles 300 million pieces of mail each business day. This volume orginates and destinates through a network of over 30,000 post offices. The Origin-Destination Information System (ODIS) monitors the flow of mail to provide the Postal Service with information on the operations of the U.S. Mail Service. The discussion will focus on the statistical design and operating problems of a nationwide monitoring program for the U.S. Postal Service.

<u>When and Where:</u> Tuesday, December 14, 1976, 12:30 - 2:00 p.m., Room 6202 (U.S. Senate Post Office Committee Hearing Room) Dirksen Senate Office Building, First Street and Constitution Ave., S.E. Washington,D.C.

ECONOMICS

<u>Topic:</u>   Recent Developments in Occupational Safety and Health Statistics

<u>Speaker:</u>   Theodore Golonka, Assistant Commissioner for Occupational Safety and Health Statistics, Bureau of Labor Statistics

<u>Discussant:</u> Mr. Jerome Mark, Bureau of Labor Statistics

This will be a discussion of the methods and results in developing occupational illness and injury data.

<u>When and Where:</u> Wednesday, December 15, 1976, 12:30 - 2:00 p.m., Room S-5215 (ABC) of the New Dept. of Labor Bldg., 200 Constitution Ave.

E M P L O Y M E N T   C O L U M N

Notes to job applicants and to employers with job openings:

1. Deadline for inserting notices in this column is the 12th of the month preceding the publication month.
2. Reruns of notices may be made on a space-available basis.

JOB APPLICANTS

Listed below are brief descriptions of the qualifications of individuals seeking employment. Employers interested in interviewing any applicant should notify Evelyn R. Kay of their interest by CODE NUMBER. The request should be by mail and should include the employer's name, organization, and telephone number. The applicant will be notified of the employer's interest and initiation of any further contact will be left to the applicant. All contacts will be confidential. Mrs. Kay's address is: National Center for Education Statistics, 400 Maryland Avenue, S.W. Washington,D.C. 20202 202/245-8340

CODE NUMBER   Applicants

12-12-76   (1) M.A. (Mathematics), M.A. (Statistics), PH.D. Program
                       Completed thru Comprehensives (Statistics).

                  (2) Statistical Analysis, Systems Analysis, Programming

                  (3) 8 years

                  (4) GS-12 or equivalent

                  (5) Government or private industry in Washington
                      Metropolitan Avenue

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 OPENING

Computer Programmer, GS-9
$14,000-$18,000
D.C. Government, Executive
Office of the Mayor,
Municipal Planning Office

The incumbent of this position will help design and operate an information system for community planning and research. For information, call Albert Mindlin, Municipal Planning Office, (202) 629-5011.

H A P P Y   H O L I D A Y S ! ! !