

President: Marie D. Eldridge
V.P. & Pres.-elect: Barbara A. Bailer
Past President: Morris R. Goldman
Sec. Treas.: Susan Miskura
Representatives-at-large:
Daniel B. Levine
Dorothy P. Rice
Joseph Steinberg
District 3 Rep. to A.S.A.:
Beatrice N. Vaccara
Methodology Section:
Chair: Frederick Scheuren
Program: David Chapman

Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



Program Committees:
Agriculture: Robert Tortora
Computer Tech.: Richard C. Taeuber
Economics: Jerome A. Mark
Phys. Sci. & Eng.: Seymour Selig
Public Health & Biost.: John Patterson
Soc. & Dem.: Lawrence D. Haber
Arrangements Comm.: Robert O'Keefe
Employment Comm.: Evelyn R. Kay
Membership Comm.: Vito Natrella
Publicity Comm.: Charles D. Jones

NEWSLETTER-JANUARY 1977

January 12 - Comparison of Unique Attribute Sampling Plans
January 14 - Trends in Educational Achievement
January 19 - Crop Acreage Estimates Using LANDSAT Data
January 27 - Interpolation From Grouped Income Data

PHYSICAL SCIENCE AND ENGINEERING

Topic: A Comparison of Several Unique Attribute Sampling Plans
Speaker: Alan E. Gelfand, Department of Statistics, The University of Connecticut, Storrs, Connecticut
Chairman: Acheson J. Duncan, The Johns Hopkins University, Baltimore, Maryland

We begin with a brief discussion of sampling inspection and attribute sampling inspection plans. We then examine three established procedures, the Military Standard 105D plans, the Double-Zero sampling plans as developed by Ellis and the Ott-Mundel Narrow Limit Gaging plans, to illuminate their more subtle features and to compare their relative performance.

When and Where: Wednesday, January 12, 1977, 12:30 - 2:00, Room 317-319, Bldg. C
The George Washington University, 2201 G Street, Washington, D.C.

SOCIAL & DEMOGRAPHIC STATISTICS

Topic: Trends in Educational Achievement: Analysis of the National Assessment of Educational Progress
Chairman: Francis V. Corrigan, National Center for Education Statistics
Speakers: Robert C. Larson, Director, Analysis & Research, National Assessment of Educational Progress
Donald T. Searls, Associate Director, Statistical Methods, National Assessment of Educational Progress
Discussant: Edward C. Bryant, Westat, Inc.

The National Assessment of Educational Progress (NAEP) has gathered achievement data in 10 learning areas since 1969 and is now in a position to report change data in Science, Reading and Writing.

In addition to background information about the project, there will be a discussion of design elements, analysis procedures and trends in Science, Reading and Writing.

When and Where: Friday, January 14, 1977, 12:30 - 2:00 p.m., Bi-Cent-X Theater, First Floor, HEW South Portal Bldg., Independence Ave. & Third St., S.W.

AGRICULTURE STATISTICS

- Topic: Statistical Methodology of Crop Acreage Estimates Using
LANDSAT Multispectral Scanner (MSS) Data
- Chairman: William H. Wigton, Statistical Reporting Service
- Speakers: Chapman P. Gleason, Statistical Reporting Service
Robert R. Starbuck, Statistical Reporting Service
- Discussant: Fred B. Warren, Foreign Agriculture Service

The statistical theory and methodology used by the Statistical Reporting Service (SRS) in its research on using LANDSAT remotely sensed data for agricultural acreage estimates will be discussed. The basic approach of SRS has been to use LANDSAT MSS data as an ancillary data source to improve the precision of acreage estimates for regions such as counties, crop reporting districts and states. Analysis results for three LANDSAT scenes in Illinois will be presented.

METHODOLOGY SECTION

- Topic: Interpolation From Grouped Income Data
- Speakers: Emmett Spiers, Bureau of the Census
Marcia Glauberman, FCC
- Discussant: Frederick Scheuren, Social Security Administration
- Chairperson: Joseph Gastwirth, George Washington University

Mr. Spiers will illustrate several methods of fitting Lorenz curves and estimating measures from Lorenz curves for grouped income data. Ms. Glauberman will describe an adoption of the numerical analysis technique of Hermite interpolation to the problem of estimating the Lorenz curve and Gini index from grouped income data.

When and Where: Thursday, January 27, 1977, 12:30 - 2:00 p.m., Tower Bldg.,
1401 K St., N.W., Basement Conference Room.

ASSOCIATE MEMBERSHIP IN WSS

The Constitution and By-Laws of the Washington Statistical Society were amended last year to provide for associate membership in the Chapter. Such status is intended for American Statistical Association members outside the Metropolitan area, and local persons who do not wish to join the National Organization at this time. While the WSS strongly recommends that persons in the statistical professions and other persons concerned with statistical issues, join the ASA and become regular members of the WSS, the Society invites students, retirees, and persons from other fields with an incidental interest in statistics to become local associates. Information about the activities of the Society and both regular and associate membership is available from Susan Miskura, Secretary-Treasurer of the Washington Statistical Society, 10104 Campus Way So. #201, Upper Marlboro, Md. 20870, phone (301-763-7532).

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.

J O B A P P L I C A N T S

Listed below is a brief description of the qualifications of an individual seeking employment. Employers interested in interviewing this 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, SW
Washington, DC 20202 202/245-8340

C O D E N U M B E R

- | | |
|--------|---|
| 1-1-77 | <ol style="list-style-type: none"> (1) Ph.D. (Statistics) (2) Natural Resource Survey Design. Strong background in applied statistics (3) Five years experience: 2 years collection of natural resource data in field and aerial photographs, 1 year data analysis, 2 years survey design and teaching courses in survey design, nonsampling error, and variance estimation with applications to agriculture. (4) GS 12/13/14 (5) Federal, State, or private; in or out of Washington. |
|--------|---|

J O B O P E N I N G S

Statistician (Health) GS9-11
Naval Medical Data Services Center
Department of the Navy

This position involves biostatistical analyses and special studies pertaining to morbidity, mortality, and workload data. Activities include making recom-

mendations for determining and defining requirements for data and establishing systems for collecting those data. Incumbent must have analytical ability to prepare statistical reports and familiarity with methods of data processing. In addition to the above position, a GS-7 Statistical Assistant is also open. For further information, contact Mrs. Wellman, NMDSC, Statistics Division, Reports Analysis Branch, Bethesda, Maryland. 301/295-0594.

Mathematical Statistician GS 7/9/11
Statistical Methods Division
Bureau of the Census EOE

The person in this position would be responsible for designing, monitoring, and evaluating quality control systems for censuses and surveys in the demo-

graphic area. For further information, contact John Linebarger, 301/763-2638.