Washington Statistical Society

CHAPTER   •   AMERICAN STATISTICAL ASSOCIATION

NEWSLETTER – FEBRUARY 1970

A REPORT ON THE ACCURACY OF SOME WIDELY USED LINEAR LEAST SQUARES COMPUTER PROGRAMS

Chairman: W. Edward Deming, Consultant

Speaker: Roy H. Wampler, Statistical Engineering Laboratory
          National Bureau of Standards

    Test problems have been run on the more than 20 different least squares computer programs in order to compare the accuracy of the calculated regression coefficients. The programs included representatives from several widely used statistical packages and some from the Shares Library. Programs using the common elimination methods of solving the normal equations or inverting a matrix of correlation coefficients proved to be much less accurate than programs which used Gram-Schmidt or Orthogonalization or Householder Transformation Algorithms.

<u>When and Where</u>:   9:30 AM to 11:00 AM, February 9, 1970
                     Conference Room B, Interdepartmental Auditorium
                     Constitution Avenue between 12th and 14th Streets, N.W.

Subject: Time Series Modelling

Chairman: Bruce McDonald, Office of Naval Research, Department of the Navy

Speaker: Emanuel Parzen, Professor, Department of Statistics
          Stanford University

    Recent research results in the foundations of time series analysis trend to unify parts of time series analysis, control theory, and approximation theory. Professor Parzen will discuss this unification and its empirical ramifications as they impinge on general problems in the analysis of discrete time series.

<u>When and Where</u>:   9:00 AM to 10:30 AM, February 4, 1970, Conference Rooms 107 A, B, C
                     Department of Labor, 14th and Constitution Avenue, N.W.

LUNCHEON MEETING

Chairman: Murray Feshbach, Chief, USSR-East European Branch, Foreign Demographic
           Analysis Division, Bureau of the Census

Speakers: James Brackett, Deputy Chief, Analysis and Evaluation Division,
           Office of Population, AID

           "Problems of Population Policy"

           Charles B. Lawrence, Jr., Assistant Director for International
           Programs, Bureau of the Census

           "Role of Statistics in Planning in the USSR"

     All three participants have recently visited Russia, attending various meetings and
discussing areas of mutual interest with Russian technicians. There are many similarities
and large differences between the Russian and American approaches to development and use
of statistics as the basis for policy and planning decisions, which will be the focus of
the speakers.

When and Where: 1200 to 2:00 PM, Wednesday, February 18 (Cash bar - 11:45 AM)
                 Occidental Restaurant, 1411 Pennsylvania Avenue, N.W.
                 Price of lunch is $3.60.

     Note change in location of luncheon. Last month's newsletter incorrectly stated
Presidential Arms.

     Please fill out the reservation form at the bottom of this page and mail to reach
Maurice Bresnahan by noon, February 17. We would appreciate your sending the reserva-
tion as soon as possible or notifying Mr. Bresnahan by telephone if you plan to attend.
Please call 961-2444 or Government Code 110-2444.

JOB OPENINGS

Veterans Administration, Office of Controller, is seeking a Medical Statistician, GS-13
($15,812 +). This position is in the Reports and Statistics Service. Experience in the
field of hospital system statistics including responsibility for special studies and
associated analytical writing is desirable. Principal activity will be implementation of
a computer based nationwide medical statistical reporting system and conduct of special
and continuing studies on these data. Incumbent will design and execute statistical
studies pertaining to veteran's health and medical problems. Interested persons should
contact Mr. Louis Mesard, Chief, Biometrics Division (042A2), Office of Controller,
810 Vermont Ave., N.W., Washington, D.C. 20420. Telephone 389-3458 or Government
Code 148-3458.

****
Notices for inclusion in future issues should be sent to Mrs. Marie D. Eldridge, Office
of Statistical Programs and Standards, Bureau of Finance and Administration, Post Office
Department, 12th & Pennsylvania Ave., N.W., Room 2407, Washington, D.C. 20260. Forms
outlining the items to be included in the WSS Newsletter are available from Mrs. Eldridge.
NO PHONE ANNOUNCEMENTS PLEASE!
****

Maurice Bresnahan, Bureau of Labor Statistics, Room 2818, GAO Bldg., D.C. 20212
Please reserve _____ tickets for Feshbach Luncheon, February 18.
Name _____; Agency_____ Phone _____
                 (Check payable to Washington Statistical Society)

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: Office of Statistical Programs and Standards, Bureau of Finance and Administration, Post Office Department, 12th and Pennsylvania Ave., N.W., Room 2407, Washington, D.C. 20260.

Code Number	Applicants
35-12-9	(1) B.S. (Eng.) M.S. (Eng.) Ph.D. Candidate (Econ.) grad work in Math-Stat.; (2) Econ. Anal., Econometrics and OR; (3) 18 yrs.; (4) $20,000; (5) Government or private industry in the Baltimore-Washington area.
36-12-9	(1) B.S. (Math), B.S. (Math-Stat), M.S. (Math-Stat), Ph.D. candidate; (2) Math., Math-Stat., Anal. of Var., Stochastic Processes, Infor. Theory and Probability; (3) 2 yrs.; (4) Open; (5) Private industry in Washington, D.C., Northern Virginia and Maryland.
37-12-9	(1) A.B. (Math), Grad Sch 14 Mos., Stat and ADP; (2) ORSA Instructor, Statistician, Budget and Cost Analyst; (3) 15 yrs.; (4) GS-11, $12-15,000; (5) Government or private industry in the Baltimore-Washington area.
38-12-9	(1) B.S. (Math), M.S. (Applied Math.), Ph.D. Candidate (Math-Stat); (2) All aspects of Stat., Probability and Applied Math., Computer programming; (3) 2 yrs.; (4) GS-12 (up) $13,500 (up); (5) Government or private industry in the Washington, D.C. metropolitan area only.
39-12-9	(1) A.B. (Math), Ph.D. (Econ.); (2) Quant. Methods for Econ., Econ. Groth, Econ. Hist., Computer appl.; (3) 6 yrs.; (4) $19,000; (5) Private industry or Government in Washington, D.C. metropolitan area only.
40-12-9	(1) B.A. (Econ.), M.B.A., Grad work; (2) OR and statistics; (3) 13 yrs.; (4) GS-15; (5) Government employment in the Baltimore-Washington area.
41-1-0	(1) B.A., additional grad. work; (2) Statistical and Econ. Research and Anal., Program Planning and Design, PPBS; (3) 10 yrs.; (4) GS-13/14; (5) Government employment in the Baltimore-Washington area.
42-1-0	(1) B.A. (Econ.), M.A. Econ.; (2) Manpower Industrial Relations (Labor Statistics); (3) 14 yrs.; (4) GS-14/15 or $21,000; (5) Government or private industry in the Baltimore-Washington area.

Symbols:

(1) Educational Background
(2) Fields of Competence
(3) Years of Experience
(4) Salary Requirement or GS Level
(5) Interest in employment (Government or private industry) in Washington, D.C. metropolitan area only or Baltimore-Washington area