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Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



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NEWSLETTER - JANUARY 1971

Sponsored by the Washington Statistical Society and George Washington University's Statistics Department

SOME TOPICS IN REGRESSION AND ANALYSIS OF VARIANCE

Chairman: Professor Hubert Lilliefors, George Washington University

Speakers: Fritz Scheuren, Office of Economic Opportunity
"Regression Analysis with Finite Populations"

Some notes will be presented on the interpretation of canned computer regression routines under various methods of sampling from finite populations. The emphasis will be on summarizing (and extending) the theoretical work done. Some empirical results will be presented if time allows.

Dr. James Schlesselman, National Institutes of Health
"Data Transformation in 2-way Analysis of Variance"

The goal is to transform the data so that they better satisfy the conditions of additivity, homogeneity of variance and normality. A procedure for choosing a power transformation using the sample data alone will be described. Its basis lies in Tukey's test for nonadditivity and the slope of the regression of log (sample variance) on log (sample mean).

Evelio Fabbroni
"On Algebraic Proofs in Least Squares Regression Analysis"

In elementary courses of statistics for which calculus is not a prerequisite the discussion of least squares for the polynomial regression model can be presented by means of the method of moments solution and the proof of the equivalence with the least squares solution using only algebraic tools. This technique will be discussed and extended to the general regression model.

When and Where: 8:30 to 10 PM, Thursday, January 21, George Washington University Campus, Building C, Room 201. Entrance is on G Street between 22nd and 23rd Streets.

FUTURE MEETING

Subject: Data Analysis Approach to Statistics
Speaker: Dr. John Flueck, Office of Management and Budget and Temple University

This meeting has been rescheduled for February. Details will appear in the February Newsletter.

ANNOUNCEMENTS

WSS Achievement Award: Last reminder for submission of paper on theory or application of statistics by a young statistician in the Washington area. No entry may be considered eligible unless submitted to the Washington Statistical Society by January 30th on behalf of individually identifiable work completed or published prior to a 35th birthday and within the preceding calendar year. Submissions, in triplicate, may be either in manuscript or published form. Both members and non-members of the WSS are eligible for the Award. Entry forms may be obtained from the Washington Statistical Society, c/o American Statistical Association, 806 - 15th St., N.W., Washington, D.C. 20005.

Comments Invited from Membership on ASA Future Goals: A study of future goals of the American Statistical Association is currently being undertaken by a number of task forces selected from the membership. (See THE AMERICAN STATISTICIAN, Oct., 1970, p. 53.) Members of the Washington Statistical Society are invited to submit their suggestions and comments to the Steering Committee for the task forces c/o American Statistical Society, 806-15th St., N.W., Washington, D.C. 20005, or to the task force chairmen on the different aspects of this study. Mr. William H. Shaw is Chairman of the Steering Committee.

Seven task forces have been organized:

Publications and Information Task Force is concerned with regular and special publications, meetings, and presentations. Mr. Robert E. Lewis is Chairman.

The Meetings Task Force was appointed to review regulations on the general operation of annual meetings. Mr. John Neter is Chairman.

The Special Projects Task Force is studying the role the American Statistical Association might play in devising and seeking funds for special projects to assist the statistical profession. Mr. Bernard Ostle is Chairman.

The Standards Task Force will deal with the establishment of personnel and statistical standards. Mr. Lester R. Frankel is Chairman.

The Statistical Computing Task Force is concentrating on the new computation tools and their uses. Mr. Arthur P. Dempster is Chairman.

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(Task forces continued)

The Structure Task Force is evaluating the structure of the American Statistical Association in the light of changing and expanding structural requirements and needs. Mr. Edwin B. Cox is Chairman.

The Finances Task Force is updating and intending to refine earlier 5-year projections of income and expense in relation to resources requirements generated by the other task forces. Mr. William H. Shaw is Chairman.

JOB OPENINGS

The Federal Power Commission. Office of Economics seeks economists and econometricians at the GS-11 to GS-14 levels. Successful applicants will have demonstrated skill in understanding and applying advanced economic theory to problems of government policy. A background in economic regulation or in the economics of the natural gas or electric utility industries is desirable but not essential, but applicants should be experienced in such fields as microeconomic theory, industrial organization, economic model building, and quantitative methods (including EDP applications). Applicants should also be qualified as economic policy witnesses in regulatory proceedings. Please contact Dr. Haskell P. Wald or Mr. Wade P. Sewell, Room 3108, 441 G St., N.W., Washington, D.C. 20426. Telephone Numbers 386-4341 or 386-5307, respectively.

Quest Systems, Inc. has a vacancy for a Systems Analyst/Programmer. Salary level \$10,000 - \$17,000. Duties involve Systems Design, Analysis and Programming for commercial and scientific applications. 1 - 7 years experience is required. Contacts should be made to Mr. David Samuelson, Quest Systems, Inc., 5400 Pooks Hill Road, Bethesda, Maryland. Telephone 530-6700.

Notices for inclusion in future issues should be sent to Mrs. Marie D. Eldridge, Director, Office of Statistical Programs and Standards, Bureau of Finance and Administration, U.S. Postal Service, 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!

JOB APPLICANT

Listed on the next page is a brief description of the qualifications of an individual 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 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. Eldridge's address is: Director, Office of Statistical Programs and Standards, Bureau of Finance and Administration, U.S. Postal Service, 12th & Pennsylvania Ave., N.W., Room 2407, Washington, D.C. 20260.

(over)

Code Number

73-12-0

(1) Ph.D. in Biostatistics expected June 1971; M.S. Stat.; B.B.A. Stat.; (2) Biostatistics, mathematical statistics, sampling, computer science; (3) 4 Yrs.; (4) \$16,750; (5) Government or private, in the Baltimore-Washington Area.

Symbols:

- (1) Educational
- (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 or Baltimore-Washington Area.