JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION 1108 16th Street, N. W., Washington 6, D. C.

September 1951 Vol. 46 No. 255

Statistics in Production and Inspection
Some Statistical Problems in Small Group Research ROBERT F. BALES
Relations between Prices, Consumption, and Production
The Distribution of the Range in Samples from a Discrete Rectangular Population PAUL R. RIDER
Actuarial Science
Statistical Measurement and Economic Mobilization Planning GLENN E. McLAUGHLIN
National Income
A Large-Sample Test of the Hypothesis that One of Two Random Variables Is Stochastically Larger than the Other
REPRINTS OF ABSTRACTS IN STATISTICAL METHODOLOGY

BOOK REVIEWS



The American Statistical Association invites as members all persons interested in:

- 1. development of new theory and method
- 2. improvement of basic statistical data
- 3. application of statistical methods to practical problems.

BIOMETRIKA

A Journal for the Statistical Study of Biological Problems

Volume 38

Contents

Parts 1 and 2, June 1951

 Major Greenwood (with portrait). By P. L. McKINLAY. 2. Partial and multiple rank correlation. By P. A. P. MORAN. 3. Some questions of distribution in the theory of rank correlation. By S. T. DAVID, M. G. KENDALL, and A. STUART. 4. On distributions for which the Hartley-Khamis solution of the moment-problem is exact. By H. P. MULHOLLAND. 5. The effect of non-normality on the power function of the F-test in the analysis of variance. By F. N. DAVID and N. L. JOHNSON. 6. Regression structure and functional relationship. By M. G. KENDALL. 7. An application of the distribution of ranking concordance coefficient. By A. STUART. 8. Some tests for randomness in plant populations. By MARJORIE THOMAS. 9. The geometry of estimation. By J. DURBIN and M. G. KENDALL. 10. The frequency distribution of the product-moment correlation coefficient in random samples of any size drawn from non-normal universes. By A. K. GAYEN. 11. Note on the exact treatment of contingency goodness of fit and other problems of significance. By G. H. FREEMAN and J. H. HALTON. 12. Efficiency of the method of moments and the Gram-Charlier type A distribution. By L. R. SHENTON. 13. Tables of the 5 and 0.5% points of Pearson curves (with argument β1 and β2) expressed in standard measure. By E. S. PEARSON and M. MERRINGTON. 14. Random dispersal in theoretical populations. By J. G. SKELLAM. 15. Estimation problems when a simple type of heterogeneity is present in the sample. By W. M. LONG. 16. The Jacobians of certain matrix transformations useful in multivariate analysis (based on P. L. Hsu's lectures). By W. L. DEEMER and I. OLKIN. 17. Testing for serial correlation in least squares regression, II. By J. DURBIN and G. S. WATSON. 18. Bi-variate k-statistics and cumulants of their joint sampling distribution. By M. B. COOK. 19. Charts of the power function for analysis of variance tests, derived from the non-central F-distribution. By E. S. PEARSON and H. O. HARTLEY and E. R. FITCH. 21. MISCELLANEA. 22. REVIEWS. 1. Major Greenwood (with portrait). By P. L. McKINLAY, 2. Partial and multiple rank correlation, LEY and E. R. FITCH. 21. MISCELLANEA. 22. REVIEWS.

The subscription price, payable in advance, is 45s. inland, 54s. export (per volume including postage). Cheques should be drawn to Biometrika and sent to "The Secretary, Biometrika Office, Department of Statistics, University College, London, W.C. 1." All foreign cheques must be in sterling and drawn on a bank having a London agency.