1936 Table of Contents

JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION

CONTENTS	
Consolidating Our Gains. By Willford I. King	. 10 . 31 . 37 . 43 . 47
Agencies. By S. M. Dubrul. Effect of N.R.A. on the Physical Volume of Production. By Leonard Kuvin. Unemployment Insurance and Unemployment. By M. C. Rorty. Setting Up State Administration for Unemployment Insurance. By Glenn A. Bowers. Real Wages of Artisans in London, 1729-1935. By Rufus S. Tucker. Price Stability and Responsiveness to Changes in the Price of Gold. By Paul M. Densen. Statistics Relating to Security Markets and Corporations. By Paul P. Gourrich. Significance of the Lending Function of the Federal Reserve Banks. By E. A. Goldenweiser. Deposit Insurance as an Influence for Stabilizing the Banking Structure. By Mortimer J.	53 58 61 67 73 85
Deposit Insurance as an Influence for Stabilizing the Banking Structure. By Mortimer J. Fox, Jr. The Evaluation of the Effect upon Mortality Statistics of the Selection of the Primary Cause of Death. By Halbert L. Dunn. Index Numbers and Public Utility Valuation. By Robert W. Harbeson Distinctive Concepts of Price and Purchasing-Power Index Numbers. By Wirth F. Ferger	103 113 245
The Geographic Distribution of Intrinsic Natural Increase in the United States, and an Examination of the Relation between Several Measures of Net Reproductivity. By Alfred J. Lotka The A.A.A., the Cotton Growers, and the Agricultural Problem. By A. B. Cox	273 295 308
Rejoinder	341
Legal Aspects of Statistical Activities of Trade Associations with Special Reference to the Sugar Institute Decision. By Charles J. Brand. The Poisson Distribution and the Supreme Court. By W. Allen Wallis. On the Comparability of Death Rates. By Eugen Würzburger. An Empirical Method of Calculating Future Population. By P. K. Whelpton. The Application of Sampling to Economic and Sociological Problems. By A. L. Bowley. Corporate Earnings on Share and Borrowed Capital in Ratios of Gross Income (1918–1935). By	376 381
LELAND REX ROBINSON. The Practical Side of Trade Association Statistics. By C. W. Halligan	491 496 503
Rejoinder Factorial and Correlational Analysis of the 1934 Vote in Chicago. By Harold F. Gosnell and Margaret J. Schmidt. Principal Components. By M. A. Girshick. The Negro as a Factor in the Nation's Labor Force. By Alba M. Edwards. The Swedish Census of 1935-6. By Dorothy Swaine Thomas. Rates of Mental Disease Among Certain Population Groups in New York State. By Benjamin	507 519 529
MALZBERG. A Broadened Program of Bank Reports. By Mortimer J. Fox, Jr. Karl Pearson, 1857–1936. By RAYMOND PEARL	545 549 653 665
The Probability Distribution of Protection Test Results. By Hugo Muench. The Improvement of Statistical Techniques in Biology. By George W. Snedecor. Industry Statistics in Marketing Management. By S. J. Kennedy. Development of the Postal Savings System. By Louise Sissman. The National Results in the Netherlands By Dr. Dr. H. W. Maryoner.	690 702 708

Editor: Frederick F. Stephan 722 Woodward Bldg., Washington, D. C.

1936 Table of Contents

BIOMETRIKA

		PAGES
I.	An Examination of Investigations by Dr. Maurice Fishberg and Professor Franz Boas	
	dealing with Measurements of Jews in New York. By G. M. Morant and Otto Samson.	1-31
	On Jewish-Gentile Relationships. By KARL PEARSON	32-33
	Method of Moments and Method of Maximum Likelihood. By KARL PEARSON	34–59
IV.	Cleft Palate, Hare Lip, Dacryocystitis, and Cleft Hand and Feet. By E. A. COCKAYNE.	
	With two Plates and Pedigree	60-63
V.	Influence of Position on Structure of Inflorescences of Cicuta maculata. By WILLIAM	
	DOWELL BATEN. With one Plate and four Figures in the Text	64-83
VI.	A Biometric Study of the Human Mandible. By G. M. MORANT with the assistance of	
****	MARGOT COLLETT and N. K. ADYANTHÁYA. With three Plates and one folding Table	84–122
V 11.	On the Craniology of Oceania. Crania from New Britain. By GERHARDT VON BONIN.	
	With Map, eight Plates, three folding Tables of Measurements, six Contours in Text, and	100 140
37777	the same on tissue in pocket at end of issue	
V 111.	Methods of Sexing. By E. S. Martin. With two Plates	
		145-110
	llanea:	
	An Illustration of the Accuracy of the x ² Approximation. By M. R. El Shanawany	179–187
(11).	Note on the Application of a Theorem of Frau Pollaczek-Geiringer. By J. Przybo-	105 100
	ROWSKI and H. WILENSKI	
	Note on the Method of Moments. By V. Romanovsky	
	On the Validity of a Certain Pearson's Formula—a Rejoinder. By Jan Wisniewski	190-192
IA.	Karl Pearson: An Appreciation of some Aspects of his Life and Work. By E. S. Pearson. With three Plates	102_257
\mathbf{v}	A Study of the Lengths of the Long Bones of the Arms and Legs in Man, with Special	190-201
л.	Reference to Anglo-Saxon Skeletons. By Dr. Phil. A. Heinrich Münter	258_204
ΥI	Moments of the Ratio of the Mean Deviation to the Standard Deviation for Normal	200 201
211.	Samples. By R. C. Geary. With a Note on Probability Levels for $\sqrt{b_1}$. By E. S.	
	PEARSON. With four Figures in the Text	295-307
XII.	The Efficiency of Statistical Tools and a Criterion for the Rejection of Outlying Observa-	
	tions. By E. S. Pearson and C. Chandra Sekar. With three Figures in the Text	308-320
XIII.	Relations between Two Sets of Variates. By Harold Hotelling. With two Figures	
	in the Text	321-377
XIV.	A Preliminary Study of the Eruption of the Mandibular Third Molar Tooth in Man Based	
	on Measurements Obtained from Radiographs, with Special Reference to the Problem	
	of Predicting Cases of Ultimate Impaction of the Tooth. By C. Bowdler Henry and	
	G. M. Morant. With fourteen Plates and eight Figures in the Text	378-427
XV.	The Standard Error of Gini's Mean Difference. By U. S. Nair	428-436
Miscel	llanea:	
	Fiducial Limits for the Poisson Distribution. By F. Garwood. With two Figures in	
• •	the Text	437-442
(vi).	Note on Karl Pearson's Paper: "On a Method of Ascertaining Limits to the Actual	
	Number of Marked Members in a Population of Given Size from a Sample." By K.	
	RAGHAVAN NAIR	442–443
(vii).	Review: J. Arthur Harris, Botanist and Biometrician. Edited by C. Otto Rosendahl,	
	Ross Aiken Gortner and George O. Burr	444

Edited by Egon S. Pearson
Assisted by Geoffrey M. Morant

THE BIOMETRIKA OFFICE University College, London

TABLE OF CONTENTS

Applications of Two Osculatory Formulas. John L. Roberts	1
Some Simple Developments in the Use of the Coefficient of Stability. C. H. Forsyth	5
Internal and External Means Arising from the Scaling of Frequency Functions. Edward L. Dodd	12
Moments of any Rational Integral Isobaric Sample Moment Function. PAUL S. DWYER	21
Notes	
A Coefficient of Correlation between Scholarship and Salaries. JOHN L. ROBERTS	66
Note on the Derivation of the Multiple Correlation Coefficient. WILLIAM J. KIRKHAM	68
Note on Numerical Evaluation of Double Series. CHESTER C. CAMP	72
Report of the Annual Meeting of the Institute of Mathematical Statistics	76
Notice to Subscribers	76