

THE AMERICAN STATISTICAL ASSOCIATION

Vol. IV

No. 1

THE ANNALS
of
MATHEMATICAL
STATISTICS

SIX DOLLARS PER ANNUM

FEBRUARY

1933

PUBLISHED QUARTERLY BY
AMERICAN STATISTICAL ASSOCIATION

Publication Office—Edwards Brothers, Inc., Ann Arbor, Michigan

Business Office—530 Commerce Bldg., New York Univ., New York, N. Y.

*Entered as second class matter at the Postoffice at Ann Arbor, Mich.,
under the Act of March 3rd, 1879.*

STATEMENT OF OWNERSHIP
UNDER ACT OF CONGRESS OF AUGUST 24, 1912

Publisher—American Statistical Association, New York City, New York.

Editor—H. C. Carver, University of Michigan.

Managing Editor—Rattan S. Sekhon, Ann Arbor, Michigan.

Business Manager—J. W. Edwards, Ann Arbor, Michigan.

Owner—American Statistical Association, 530 Commerce Bldg., New York
City.

Vol. IV

1933

THE ANNALS
of
MATHEMATICAL
STATISTICS

(Printed in U. S. A.)

Copyright 1932



Published and Lithoprinted by
EDWARDS BROTHERS, INC.
ANN ARBOR, MICH.

THE ANNALS OF MATHEMATICAL STATISTICS

VOL. 4

FEBRUARY, 1933

NO. 1

C O N T E N T S

On the System of Curves for which the Method of Moments
is the Best Method of Fitting 1

A. L. O'Toole

On the Logarithmic Frequency Distribution and the Semi-
logarithmic Correlation Surface 30

Pae-Tsi Yuan

A Simple Method for Calculating Mean Square Contingency 75

Elmer B. Royer

PUBLISHED QUARTERLY BY
AMERICAN STATISTICAL ASSOCIATION

Publication Office—Edwards Brothers, Inc., Ann Arbor, Michigan
Business Office—530 Commerce Bldg., New York Univ., New York, N. Y.

*Entered as second class matter at the Postoffice at Ann Arbor, Mich.,
under the Act of March 3rd, 1879.*

EDITORIAL COMMITTEE

H. C. Carver, *Editor*

R. S. Sekhon, *Assistant Editor*

Associate Editors

Burton H. Camp

Robert Henderson

Harold Hotelling

Henry Lewis Rietz

Henry Schultz

J. W. Edwards, *Business Manager*

A quarterly publication of the American Statistical Association,
devoted to the theory and application of Mathematical Statistics.

Six dollars per annum.

*Reprints of any article in this volume may be obtained at any time
from the Editor at the following rates, postage included.*

Number of copies	Cost per page
1-4 . . .	2 cents
5-24 . . .	1½ cents
25-49 . . .	1 cent
50 and over . . .	¾ cent

ADDRESS: Editor, Annals of Mathematical Statistics
Post Office Box 171, Ann Arbor, Michigan