

## THE PUBLICATIONS OF S. S. WILKS

### BOOKS

- (1) *Statistical Inference*, Edwards Bros., Ann Arbor, Michigan, 1937.
- (2) *Mathematical Statistics*, Princeton Univ. Press, 1943.
- (3) *Elementary Statistical Analysis*, Princeton Univ. Press, 1948.
- (4) *Mathematical Statistics*, Wiley, New York, 1962.
- (5) —with Irwin Guttman: *Introductory Engineering Statistics*, Wiley, New York (to appear).

### ARTICLES

1931

- [1] The standard error of the means of "matched" samples. *J. Educ. Psych.* **22** 205-208.

1932

- [2] On the distributions of statistics in samples from a normal population of two variables with matched sampling of one variable. *Metron* **9** Nos. 3-4 87-126.
- [3] Moments and distributions of estimates of population parameters from fragmentary samples. *Ann. Math. Statist.* **3** 163-195.
- [4] On the sampling distribution of the multiple correlation coefficient. *Ann. Math. Statist.* **3** 196-203.
- [5] The standard error of a tetrad in samples from a normal population of independent variables. *Proc. Nat. Acad. Sci. USA* **18** 562-565.
- [6] Certain generalizations in the analysis of variance. *Biometrika* **24** 471-494.

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- [7] —with E. S. Pearson: Methods of statistical analysis appropriate for  $k$  samples of two variables. *Biometrika* **25** 353-378.

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- [8] Moment-generating operators for determinants of product moments in samples from a normal system. *Ann. of Math.* **35** 312-340.

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- [9] On the independence of  $k$  sets of normally distributed statistical variables. *Econometrica* **3** 309-326.
- [10] Test criteria for statistical hypotheses involving several variables. *J. Amer. Statist. Assoc.* **30** 549-560.
- [11] The likelihood test of independence in contingency tables. *Ann. Math. Statist.* **6** 190-196.

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- [12] The sampling theory of systems of variances, covariances and intraclass covariances. *Amer. J. Math.* **58** 426-432.

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- [13] The sampling distribution of the criterion  $\lambda_{H_1}$  when the hypothesis tested is not true. I. Note on the general sampling moments of  $\lambda_{H_1}$ . *Biometrika* **29** 124-127.

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- [14] The large-sample distribution of the likelihood ratio for testing composite hypotheses. *Ann. Math. Statist.* **9** 60-62.
- [15] The analysis of variance and covariance in non-orthogonal data. *Metron* **13** No. 2 141-154.
- [16] Weighting systems for linear functions of correlated variables when there is no dependent variable. *Psychometrika* **3** 23-40.
- [17] Shortest average confidence intervals from large samples. *Ann. Math. Statist.* **9** 166-175.
- [18] Fiducial distributions in fiducial inference. *Ann. Math. Statist.* **9** 272-280.
- [19] The rise of modern statistical science. *Proc. M. I. T. Conference on Engineering and Industrial Statistics* 283-310.

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- [20] —with J. F. Daly: An optimum property of confidence regions associated with the likelihood function. *Ann. Math. Statist.* **10** 225-235.

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- [21] Representative sampling and poll reliability. *The Public Opinion Quart.* **4** 261-269.
- [22] Confidence limits and critical differences between percentages. *The Public Opinion Quart.* **4** 332-338.

1941

- [23] Determination of sample sizes for setting tolerance limits. *Ann. Math. Statist.* **12** 91-96.
- [24] Karl Pearson: Founder of the science of statistics. *The Sci. Monthly* **53** 249-253.
- [25] Statistical basis of the quality control program. *J. Engrg. Educ.* **32** 328-334.

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- [26] Statistical prediction with special reference to the problem of tolerance limits. *Ann. Math. Statist.* **13** 400-409.

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- [27] De l'application de la théorie des probabilités à certains problèmes d'échantillonnage en statistique mathématique. *Collection Scientifique, Institut International de Coopération Intellectuelle* 33-80.

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- [28] Sample criteria for testing equality of means, equality of variances, and equality of covariances in a normal multivariate distribution. *Ann. Math. Statist.* **17** 257-281.
- [29] —with John W. Tukey: Approximation of the distribution of the product of beta variables by a single beta variable. *Ann. Math. Statist.* **17** 318-324.

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- [30] Personnel and training problems in statistics. *Amer. Math. Monthly* **54** 525-528.
- [31] Statistical training for industry. *Analytical Chem.* **19** 953-955.

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- [32] Order statistics. *Bull. Amer. Math. Soc.* **54** 6-50.
- [33] Sampling and its uncertainties. *Proc. Amer. Soc. for Testing Materials* **48** 3-19.

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- [34]—with Harold Gulliksen: Regression tests for several samples. *Psychometrika* **15** 91-114.

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- [35] Undergraduate statistical education. *J. Amer. Statist. Assoc.* **46** 1–18.  
 [36] The age distribution and mortality of the resident members of the American Philosophical Society. *Proc. Amer. Philos. Soc.* **95** 393–400.

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- [37] Statistical aspects of the design of experiments. *Proc. Amer. Philos. Soc.* **99** 169–173.

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- [38] New fields and organizations in the mathematical sciences. *The Math. Teacher* **51** 2–9.  
 [39] Teaching statistical inference in elementary mathematics courses. *Amer. Math. Monthly* **65** 143–153.

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- [40] Recurrence of extreme observations. *J. Austral. Math. Soc.* **1** 106–112.  
 [41] Non-parametric statistical inference. *Probability and Statistics: The Harald Cramér Volume* (Ulf Grenander, ed.), Almqvist and Wiksell, Stockholm, 331–354.

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- [42] A two-stage scheme for sampling without replacement. *Bull. Inst. Internat. Statist.* (31ème Session, Bruxelles, 1958) **37** No. 2 241–248.  
 [43] Multidimensional statistical scatter. *Contributions to Probability and Statistics—Essays in Honor of Harold Hotelling* (Ingram Olkin et al., eds.), Stanford Univ. Press, 486–503.  
 [44] Mathematics and the social sciences. *Both Human and Humane* (Charles E. Boewe and Roy F. Nichols, eds.), Univ. of Pennsylvania Press, 66–80.  
 [45] A combinatorial test for the problem of two samples from continuous distributions. *Proc. Fourth Berkeley Symp. Math. Statist. Prob.* **1** 707–717. Univ. of California Press.

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- [46] Some aspects of quantification in science. *Isis* **52** 135–142.

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- [47] Statistical inference in geology. *The Earth Sciences: Problems and Progress in Current Research* (Thomas W. Donnelly, ed.), Rice Univ.: Semicentennial Publications, 105–136.  
 [48] Multivariate statistical outliers. *Sankhyā Ser. A* **25** 407–426.

## SOME OTHER WRITINGS

1936

- [1] Discussion on “The Meaning of Probability” by Ernest Nagel (*J. Amer. Statist. Assoc.* **31** 10–26). *J. Amer. Statist. Assoc.* **31** 29–30.  
 [2] Review of *The Application of Statistical Methods to Industrial Standardization and Quality Control* by E. S. Pearson, British Standards Institution, Publication No. 600, 1935. *J. Amer. Statist. Assoc.* **31** 421–422.  
 [3] Review of *Statistical Research Memoirs*, **1** (J. Neyman and E. S. Pearson, eds.), Cambridge Univ. Press, 1936. *J. Amer. Statist. Assoc.* **31** 760–762.

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- {4} The analysis of variance for two or more variables. *Report of Third Annual Research Conference on Economics and Statistics*, Cowles Commission for Research in Economics, 82-85.

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- {5} Review of *Linear Regression Analysis of Economic Time Series* by T. Koopmans. De Erven F. Bohn N. V. Monograph No. 20 of the Netherlands Economic Institute, Haarlem, Netherlands. *J. Amer. Statist. Assoc.* **33** 273-275.
- {6} Review of *Lectures and Conferences on Mathematical Statistics* by J. Neyman, Graduate School of the United States Department of Agriculture, April, 1937. *J. Amer. Statist. Assoc.* **33** 478-480.
- {7} Statistical aspects of experiments in telepathy. A lecture given at the Galois Institute of Mathematics at Long Island University. (Mimeographed, copyright 1938 by H. C. L. R. Lieber.) 18 pp.

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- {8} Review of *Methods of Statistical Analysis* by C. H. Goulden. *J. Amer. Statist. Assoc.* **35** 181-182.

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- {9} Review of *Statistical Mathematics* by A. C. Aitken. *J. Amer. Statist. Assoc.* **36** 148-149.
- {10} Review of *Theory of Probability* by Harold Jeffreys. Oxford Univ. Press, 1939. *Biometrika* **32** 192-194.

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- {11} Objectives and limitations, Chapter 1 of *The Pre-election Polls of 1948* (Frederick Mosteller, Herbert Hyman, Philip J. McCarthy, Eli S. Marks, David B. Truman). Social Science Research Council, 1-7.

1961

- {12} Scaling and equating College Board tests. Educational Testing Service, Princeton.