

William Kruskal
Bibliography

12/30/05

1. "Helmert's distribution," *Am. Math. Monthly*, 53 (1946), 435–438.
2. "An approach to the effects of non-normality in tests of significance," *Econometrica*, 19 (1951), 344. Abstract.
3. Review of Allen L. Edwards, Experimental Design in Psychological Research, *J. Amer. Stat. Assn.*, 46 (1951), 410–412.
4. (With W. Allen Wallis), "Use of ranks in one-criterion variance analysis," *J. Amer. Stat. Assn.*, 47 (1952), 583-621, and 48 (1953), 907-11. Citation Classic in *Current Contents* (Social and Behavioral Sciences), 5 Oct. 1987; (Arts and Humanities), 5 Oct. 1987.
5. "A nonparametric test for the several sample problem," *Ann. Math. Stat.*, 23 (1952), 525–540.
6. "On the uniqueness of the line of organic correlation," *Biometrics*, 9 (1953), 47–58.
7. (With Leo A. Goodman), "Measures of association for cross classifications," *J. Amer. Stat. Assn.*, 49 (1954), 732–764. See also 1979 book. Citation Classic in *Current Contents* (Social and Behavioral Sciences), 25 June 1979, p. 14.
8. "The monotonicity of the ratio of two noncentral t density functions," *Ann. Math. Stat.*, 25 (1954), 162-65.
9. (With H. T. David), "The WAGR sequential t-test reaches a decision with probability one," *Ann. Math. Stat.*, 27 (1956), 797–805, and 29 (1958), 936.
10. "Historical notes on the Wilcoxon unpaired two-sample test," *J. Amer. Stat. Assn.*, 52 (1957), 356–360.
11. "On the note 'On the propagation of error by multiplication' by Perry and Morelock," *Amer. Math. Monthly*, 64 (1957), 254–255.
12. "Ordinal measures of association," *J. Amer. Stat. Assn.*, 53 (1958), 814–861.
13. (With G. B. Bodman and D. E. Johnson), "Influence of VAMA and of depth of rotary hoeing upon infiltration of irrigation water," *Soil Science Society of America, Proceedings*, 22 (1958), 463–468.
14. Review of Jerzy Neyman (Ed.) *Proc. Third Berkeley Symposium on Mathematical Statistics and Probability*, vol. I: Theory of Statistics," Univ. of California Press, Berkeley and Los Angeles, 1956. *Amer. Math. Monthly*, 65 (1958), 51–52.
15. Review of Tate and Clelland, Nonparametric and Shortcut Statistics, *J. Amer. Stat. Assn.*, 53 (1958), 595-98.

16. (With Leo A. Goodman), "Measures of association for cross-classifications. II: Further discussion and references," *J. Amer. Stat. Assn.*, 54 (1959), 123–163. Reprinted in Stephen M. Stigler (Editor), *American Contributions to Mathematical Statistics in the Nineteenth Century*, vol. I. New York: Arno Press, 1980.
17. (With Paul Meier), Appendix A of *Secret Detention by the Chicago Police*, Glencoe: The Free Press, 1959, 35–41.
18. "Some remarks on wild observations," *Technometrics*, 2 (1960), 1–3. Reprinted, pp. 346–348 of: Harry H. Ku (ed.) *Precision Measurement and Calibration*, Nat. Bur. of Stand., NBS Special Pub. 300, vol. 1, Washington, DC, 1969.
19. Discussion of "Rejection of outliers," by F.J. Anscombe and "Locating outliers in factorial experiments," by Cuthbert Daniel, *Technometrics*, 2 (1960), 157–158.
20. (With Lester G. Telser), "Food prices and the Bureau of Labor Statistics," *Journal of Business*, 33 (1960), 258–79 and 285. Reprinted, pp. 70–103 of: Arnold Zellner (ed.) *Readings in Economic Statistics and Econometrics*, Little Brown, Boston, 1968.
21. "Faculty size, minimum salaries, and committee Z," *Bulletin of the American Association of University Professors*, 45 (1960), 198–200.
22. (With Leo A. Goodman), "Measures of association for cross-classification. III: Approximate sampling theory," *J. Amer. Stat. Assn.*, 58 (1963), 525–540.
23. "The coordinate-free approach to Gauss-Markov estimation, and its application to missing and extra observations," *Fourth Berk. Symp. Math. Stat. and Prob.*, I (1961), 435–451.
24. Review of A. E. Maxwell, Analyzing Qualitative Data, *Technometrics*, 5 (1963), 271–273.
25. "Statistics, Molière, and Henry Adams," *The Centennial Review*, 9 (1965), 79–96. This article was reprinted in American Scientist, 55 (1967), 416–428, and also on pp. 280–288 of Richard A. King (ed.) *Readings for an Introduction to Psychology*, Third edition, McGraw Hill, N.Y., 1971. It also appeared in Portuguese translation as "A Estatística, Molière Henry Adams," *Gazeta de Matemática*, 100 (1965) 73–85. Another reprinting was in Campbell, Douglas, M., and Higgins, John C. (Eds.) *Mathematics: People, Problems, Results*, Wadsworth, Belmont, CA, 1984. Vol. III, pp. 155–163.
26. (With Donald T. Campbell and William P. Wallace), "Seating aggregation as an index of attitude," *Sociometry*, 29 (1966), 1–15. Also 30 (1967), 104.
27. Reprinted, pp. 146–154 of: Leonard Bickman and Thomas Henchy (eds.) *Beyond the Laboratory: Field Research in Social Psychology*, McGraw Hill, New York, 1972.
28. (With Felix Chayes), "An approximate statistical test for correlations between proportions," *J. Geology*, 74 (1966), 692–702. Also 78 (1970), 380. Reprinted pages 171–182 of John M. Cubitt and Stephen Henley (Editors), *Statistical Analysis in Geology*, 1978, Dowden, Hutchinson, Ross, Stroudsburg, PA.
29. (Associate Editor for Statistics) *The International Encyclopedia of the Social Sciences*, The Macmillan Co. and the Free Press, New York, (1968).

30. "Statistics," in *The International Encyclopedia of the Social Sciences*, The Macmillan Co. and the Free Press, New York, 15 (1968), 206–224. Also in Spanish, "Estadística: I. su objeto," vol. 4, 390–404 in *Enciclopedia Internacional de las Ciencias Sociales*, Aguilar, Madrid, 1974.

31. "Significance, Tests of," in *The International Encyclopedia of the Social Sciences*, The Macmillan Co. and the Free Press, New York, 14 (1968). 238–250. Also in Spanish, "Pruebas de significación," vol. 8, pages 609–619 of the *Enciclopedia* described just above.

[The two above articles also appear in the *International Encyclopedia of Statistics* (edited by William H. Kruskal and Judith M. Tanur, Free Press, New York, 1978) with substantial additions.]

32. "Note on a note by L.C.S. Pillai," *The American Statistician*, 22 (1968) 24–25.

33. (With Shelby Haberman), "Chromosomal effect and LSD: Samples of four," *Science*, 162 (1968), 1508.

34. "Statistics, public policy, and data fallibility," and "Data collection and data collectors," Chapters 4 and 5 (pp. 48–56 and 57–61) in *Mathematical Sciences and Social Sciences*, edited by William Kruskal, Prentice-Hall, Englewood Cliffs, N.J., 1970; Mathematical Sciences Panel, The Behavioral and Social Sciences Survey.

35. "Mathematical sciences and social sciences: excerpts from the report of a panel of the Behavioral and Social Sciences Survey," *The American Statistician*, 25, no. 1 (Feb. 1971), 27–31. The same excerpts appeared in *Items*, 24, no. 3, Social Science Research Council.

36. "When are Gauss-Markov and least squares estimators identical? A coordinate-free approach," *Ann. Math. Stat.*, 39 (1968), 70–75.

37. Summary of "Forerunners of the Pearson χ^2 ." by H. O. Lancaster, *Austral. J. Statist.*, 8 (1966) 117–120. "Math. Rev.", 36 (1968) 916.

38. "Statistical examples for use in high school," pp. 195–207 in *The Teaching of Probability and Statistics*, (ed.) Lennart Råde, Almqvist and Wiksell, Stockholm, and John Wiley, New York, 1970.

39. *Federal Statistics/Report of the President's Commission*, 1971, Government Printing Office. Co-author as Commission member. Part of WHK's contribution was reprinted as "Issues and opportunities," pp. 3–20 of *Statistics and Public Policy*, by William B. Fairley and Frederick Mosteller. Addison-Wesley, Reading, MA, 1977.

40. Discussion of "A report on the use of statistics in social science research," by S. Rosenbaum, J. *Royal Stat. Soc., Ser. A*, 134 (1971), 607–609.

41. *America's Uncounted People*, National Research Council-National Academy of Sciences, Washington, DC, 1972, co-author as a member of the Advisory Committee on Problems of Census Enumeration.

42. (with Leo A. Goodman) "Measures of association for cross classifications. IV. Simplification of asymptotic variances," *J. Amer. Stat. Assoc.*, 67 (1972), 415–421.

43. "Babies and averages," (pp. 49–59); "The cost of eating," (pp. 79–86); "Testing beer tasters," (pp. 91–97); "Tom Paine and social security" (pp. 105–111; with Richard S. Pieters); In *Statistics by Example/Exploring Data*, edited by Frederick Mosteller, et al., Addison-Wesley, Menlo Park, Cal., 1973.
44. "Plagarism and probability," (pp. 1–9). In *Statistics by Example/Weighing Chances*, edited by Frederick Mosteller, et al., Addison-Wesley, Menlo Park, Cal., 1973.
45. "Sensitive fingers and defective TV tubes," (pp. 63–73; with Ivor Francis). In *Statistics by Example/Detecting Patterns*, edited by Frederick Mosteller, et al., Addison-Wesley, Menlo Park, Cal., 1973.
46. "Tom Paine and social security," (pp. 41–52). In *Statistics by Example/Finding Models*, edited by Frederick Mosteller, et al., Addison-Wesley, Menlo Park, Cal., 1973.

[Most of the *Statistics by Example* materials appeared in Japanese translation, Baifukan Co., Tokyo, 1979-1980.]

47. *Statistics: A Guide to the Unknown*, ASA-NCTM, Holden-Day, San Francisco, Cal., 1972. Co-editor, with Judith M. Tanur, Frederick Mosteller, and others. Second edition 1978. Third Edition 1988, Wadsworth and Brooks, Pacific Grove, California. A Chinese translation appeared in 1990. A Spanish translation appeared in 1992. Alianza Editorial, Madrid: La Estadística una Guía de lo Desconocido.
48. "The Committee on National Statistics," *Science*, 180 (1973), 1256-58. (See also later correspondence, *Science*, 182 (1973), 113 and 115.).
49. (With Charles B. Clayman, James W.J. Carpender, and Walter L. Palmer), "Studies on the neoplastic potential of gastric irradiation," pp. 95–138 in *Gastric Irradiation of Peptic Ulcer*, Walter L. Palmer, Editor. University of Chicago Press, 1974.
50. "The ubiquity of statistics," *The American Statistician*, 28 1 (1974), 3-6.
51. (with Leo A. Goodman) "Empirical evaluation of formal theory," *J. Mathematical Sociology*, 3 (1974), 187–196.
52. (with Leo A. Goodman) "More about empirical evaluation of formal theory," *J. Mathematical Sociology*, 3 (1974), 211–213.
53. Review (anonymous) of *Precision Journalism*, by Philip Meyer, Indiana University Press, 1973. In *The Antioch Review*, 32, no. 4 (1973/4), 704–705.
54. "The geometry of generalized inverses," *J. Roy. Stat. Soc., Ser. B*, 37 (1975), 272–283. Correction, *J. Roy. Stat. Soc., Ser. B*, 48 (1986), 258.
55. "Towards future activities of the JCCSP," pp. 187-95 in *Statistics at the School Level*, editor Lennart Råde, Almqvist and Wiksell, Stockholm, and Wiley, New York, 1975.
56. "Statistics and public policy; the U.S.A.'s Committee on National Statistics," Proc. 39th Session, Inter. Stat. Inst., *Bull. Inter. Stat. Inst.*, 45 (1973), Book 2, 104-8.

57. "Taking data seriously," in *Toward a Metric of Science: The Advent of Science Indicators*, edited by Yehuda Elkana, Joshua Lederberg, Robert K. Merton, Arnold Thackray and Harriet Zuckerman, Wiley, New York, 1978, pages 139-169.
58. Letter to *Science* under general heading Heritability of IQ: Methodological Questions, 188 (13 June 1975).
59. "Visions of maps and graphs," *Proceedings of the International Symposium on Computer-Assisted Cartography*, 21-25 September 1975, American Congress on Surveying and Mapping and the U.S. Bureau of the Census, 1977, pages 27-36.
60. (With Judith M. Tanur, eds.) *International Encyclopedia of Statistics*. Free Press, New York, 1978.
61. "Leonard Jimmie Savage," and "Richard Price," Biographies for the *International Encyclopedia of Statistics*, edited by William H. Kruskal and Judith M. Tanur. Free Press, New York, 1978.
62. "Formulas, numbers, words: Statistics in prose," *The American Scholar*, 47 (Spring 1978) 223-229. Reprinted in *New Directions for Methodology of Social and Behavioral Science: Problems with Language Imprecision*, D. Fiske (ed.), no. 9, Jossey-Bass, San Francisco, pp. 93-102, 1981.
63. "Dickens on statistics," letter to *Science*, 199 (10 March 1978), 1026.
64. "Notes." Correspondence with Peter Bickel about sex bias in graduate admissions at Berkeley, pp. 127-129 and 130 of *Statistics and Public Policy*, by William B. Fairley and Frederick Mosteller, Addison-Wesley, Reading, MA, 1977.
65. "Discussion of Roscoe R. Braham, Jr.'s paper 'Field experimentation in weather modification,'" *J. Amer. Stat. Assn.*, 74 (1979), 84-86.
66. "Estad'stica y administrac'on publica," *Estad'stica Espa-ola* (Instituto Nacional de Estad'stica), nos. 78-79 (1978), 11-19.
67. (With Frederick Mosteller) "Representative sampling I. Non-scientific literature," *International Statistical Review*, 47 (1979), 13-24.
68. (With Frederick Mosteller) "Representative sampling II. Scientific literature, excluding statistics," *International Statistical Review*, 47 (1979), 111-122.
69. (With Frederick Mosteller) "Representative sampling III. The current statistical literature," *International Statistical Review*, 47 (1979), 245-265.
70. (With Frederick Mosteller) "Representative sampling IV. The history of the concept in statistics," *International Statistical Review*, 48 (1980), 169-195.
71. (With Leo A. Goodman). *Measures of Association for Cross Classifications*, Springer-Verlag, New York, 1979. Vol. I of Series in Statistics. Reprints four papers listed earlier.
72. "Frederick Mosteller, President-Elect," *Science*, 203 (1979), 866-867.
73. Letter to the Editor of *Biometrics*, "Rounded data," (1980), vol. 36, pp. 554-555.

74. "First interactions with Harold Hotelling; testing the Norden bombsight," *J. Amer. Stat. Assn.*, 75 (1980), 331–333. Discussion of "The Statistical Research Group, 1942-45," by W. Allen Wallis, same journal, 320–330.
75. "The significance of Fisher: A review of R. A. Fisher. The Life of a Scientist, by Joan Fisher Box," *J. Amer. Stat. Assn.*, 75 (1980), 1019–1030.
76. "Comments on the role of statistics and statisticians in public controversy," pp. 90–92 of *Selected Proceedings, 5th Australian Statistical Conference/Public Issue Sessions*, Sydney, Aug. 25-29, 1980. Published 1981.
77. (With Frederick Mosteller). "Ideas of representative sampling." *New Directions for Methodology of Social and Behavioral Science: Problems with Language Imprecision*, D. Fiske (ed.), no. 9, Jossey-Bass, San Francisco, . Pp. 3–24. 1981.
78. "Statistics in society; problems unsolved and unformulated," *J. Amer. Stat. Assn.*, 76 (1981), 505–515.
79. *The Social Sciences: Their Nature and Uses*, Editor. University of Chicago Press, Chicago, 1982. Introduction, ix–xv. Reprinted (paper) 1986.
80. "Criteria for judging statistical graphics," *Utilitas Mathematica*, 21B (1982), 283–310. Special volume issued in honor of Frank Yates.
81. (With Katherine Wallman) "Federal statistics and you," *AmStat. News*, no. 85, May 1982, pp. 3–4.
82. "Evaluating social science research," pp. 231-247 of *Advances in the Social Sciences*, 1900–1980. Eds. Karl W. Deutsch, Andrei S. Markovits, and John Platt. Cambridge, Mass. Abt Books, 1986.
83. Letter to *Academe*, 70 (May-June 1984) p. 5 under general heading "Retiring Comments."
84. "Research and the census," pp. 49–57 in *Federal Statistics and National Needs*, U.S. Government Printing Office, Washington, D.C. 1984. Congressional Research Service for the Subcommittee on Energy, Nuclear Proliferation and Government Processes of the Committee on Governmental Affairs, U.S. Senate.
85. "The census as a national ceremony," pp. 177–180 in *Federal Statistics and National Needs*, U.S. Government Printing Office, Washington, D.C. 1984. Congressional Research Service for the Subcommittee on Energy, Nuclear Proliferation and Government Processes of the Committee on Governmental Affairs, U.S. Senate.
86. "Miracles and statistics; the casual assumption of independence," American Statistical Association 1982 Presidential Address, *J. Amer. Stat. Assn.*, 83 (1988) 929-940.
- 87.
88. "Concepts of relative importance," *Qüestio*, 8, no. 1 (March 1984) 39–45.
89. "Some fundamentals," Sec. 4.1 of Chapter 4, "Measurement and Error: An Introduction," pp. 97–106 of *Surveying Subjective Phenomena*, volume 1, edited by Charles F. Turner and Elizabeth Martin. Committee on National Statistics, National Research Council. Russell Sage Foundation, New York, 1984

90. Review of *The Chicago School of Sociology*, by Martin Bulmer, University of Chicago Press, 1984. *J. Amer. Stat. Assn.*, 80 (1985) 1074-1075.
91. "Relative importance of determiners," *J. of the Chinese Statistical Association*, 24 (1986) 11042–11060. In Chinese.
92. "Relative importance by averaging over orderings," *The American Statistician*, 41 (1987) 6–10. Correction, 41 (1987) 341.
93. "Terms of reference: Singular confusion about multiple causation," *J. of Legal Studies*, 15 (1986) 427–436.
94. "The n cultures," *Bureau of the Census, Fourth Annual Research Conference, Proceedings*, (1988) pp. 231–236. Reprinted in *Current Contents*, no. 50 (11 December 1989), 5-9. Introduction by Eugene Garfield, 3–4.
95. (With F. Mosteller.) "Representative sampling," pp. 77-81 of Volume 8 of *Encyclopedia of Statistical Sciences*, edited by Samuel Kotz and Norman L. Johnson. Wiley, New York, 1988.
96. "Is anyone listening out there? Statistics and the public," Invited address at the Second International Conference on Teaching Statistics, 11-16 August 1986, University of Victoria and International Statistical Institute. *Proceedings*, pp. 33–37 (abstract). Published 1989; editors: Roger Davidson and Jim Swift.
97. "(With Ruth Majors.) "Concepts of relative importance in recent scientific literature," *The American Statistician*, 43 (1989) 2-6.
98. "Hooker and Yule on relative importance; a statistical detective story," *International Statistical Review*, 57 (1989) 83–88.
99. "The statistician as citizen," *Proceedings of the American Statistical Association, Sesquicentennial Invited Paper Sessions*, (1989) 681–685.
100. "ASA publications: Structure and issues," *AmStat News*, No. 153 (March, 1989) 8–11.
101. (With P. J. Bjerve.) "Kiaer, Anders Nicolai," p. 78 of Supplement Volume of *Encyclopedia of Statistical Sciences*, edited by Samuel Kotz and Norman L. Johnson. Wiley, New York, 1989.
102. Contributions to "Fred as a scientific generalist," pp. 45–54 of *A Statistical Model: Frederick Mosteller's Contributions to Statistics, Science, and Public Policy*, edited by S. E. Fienberg, D. C. Hoaglin, W. H. Kruskal, J. M. Tanur, and C. Youtz. Springer Verlag, New York, 1990.
103. "Discussion of "Quantifying probabilistic expressions," by Frederick Mosteller and Cleo Youtz, *Statistical Science*, 5 (1990), 2–12. Discussion is on pp. 20–21.
104. Introduction to *Measurement Errors in Surveys*, Pp. xxiii-xxxii, edited by Paul B. Biemer, Robert M. Groves, Lars E. Lyberg, Nancy A. Mathiowetz, and Seymour Sudman; Wiley, NY, 1991.
105. Obituary of K. Alexander Brownlee, *J. Roy. Stat. Soc., Ser. A* (1993), 156, p. 315.

106. (with Sandy Zabell). "A conversation with William Kruskal," *Statistical Science*, 9 (1994), 285-303.
107. (with Jerzy Neyman). "Stochastic models and their applications to social phenomena," *Probability and Mathematical Statistics*, 15: 21-27 (1995).
108. (With Stephen M. Stigler). "Normative terminology: 'normal' in statistics and elsewhere," Chapter 5 (pp. 85-111) in *Statistics and Public Policy* (Festschrift for I. R. Savage), (Bruce Spencer, Ed.), Oxford University Press, Oxford, 1997. Revised in *Statistics on the Table*, by Stephen M. Stigler, Harvard University Press, Cambridge, MA, 1999.
109. "Thermometers with detachable scales. Thomas Mann and the silent sisters of his Magic Mountain." Pp. 315-318 in *Natur, Mathematik und Geschichte: Beiträge zur Alexander-von-Humboldt-Forschung und zur Mathematikhistoriographie* (Hanno Beck, Reinhard Siegmund-Schultze, Christian Suckow and Menso Folkerts, eds.), Halle: Barth Verlagsgesellschaft, 1997. (Also issued as *Acta Historica Leopoldina* Nr. 27.)