

Name: Seymour Geisser

Education:

B.A. (Mathematics) 1950, City College of New York

M.A. (Mathematical Statistics) 1952, University of North Carolina

Ph.D. (Mathematical Statistics) 1955, University of North Carolina

Positions Held:

Mathematician: Applied Mathematics Division, National Bureau of Standards, 1955

Mathematical Statistician: National Institute of Mental Health, NIH, 1955-1961

Chief, Biometry Section, National Institute of Arthritis and Metabolic Diseases, NIH, 1961-1965

Professorial Lecturer, George Washington University, 1960-1965

Professor and Chairman, Department of Statistics, SUNY at Buffalo, 1965-1970

Professor, School of Statistics, University of Minnesota, 1971- , Director, 1971-2001

Visiting Professor: Iowa State University 1960; University of Wisconsin 1964; University of Tel-Aviv 1971; University of Waterloo 1972; Stanford University 1976, 1977, 1988; Carnegie Mellon University 1976; University of the Orange Free State 1978, 1993; Harvard 1981; University of Chicago 1985; University of Warwick 1986; Lady Davis Visiting Professor, Hebrew University of Jerusalem 1991, 1994, 1999; University of Modena 1996, National Chiao Tung University 1998; Schor Scholar, Merck Research Laboratories 2002-3.

Societies:

1. Institute of Mathematical Statistics
2. American Statistical Association
3. Society of the Sigma Xi
4. Mathematical Association of America
5. Royal Statistical Society
6. Biometric Society

7. Bernoulli Society
8. Psychometric Society
9. International Statistical Institute
10. International Society for Bayesian Analysis

11. Statistical Society of Canada
12. World Federation of Scientists

Positions in Society:

Fellow 1967, Council 1978-81
Director 1964-5, Fellow 1963, Chair
Section on Bayesian Statistical Science, 1996

Chairman, Regional Advisory Board 1962-5,
Regional Committee 1970-2

Chair, Council of Sciences 1992-3
International Advisory Board 1994-96

Listed In:

World Men of Science

American Men and Women of Science

Who's Who in America

Other Professional Activities:

NSF Lecturer in Statistics, 1966-1969

Reviewer, Zentralblatt für Mathematik, 1961-present

Associate Editor, Journal of the American Statistical Association, 1968-1970, 1986-1988

National Institutes of Health Biometry and Epidemiology Study Section, 1974-1976

Am. Stat. Assoc. Rep. to National Research Council, 1974-1977

Program Review Committees: Division of Mathematical Sciences, Univ. of Iowa, 1975; Dept. of Mathematical Sciences, Univ. of Texas, 1977; Dept. of Mathematics, Univ. of Pittsburgh, 1978; Dept. of Statistics, Univ. of California, Riverside, 1983; Dept. of Statistics, Univ. of Nebraska, 1985; Dept. of Statistics, Univ. of Arizona, 1987; Dept. of Statistics, North Carolina State Univ., 1987; Dept. of Mathematics, Univ. of Nebraska, 1988

Food and Drug Administration Arthritis Advisory Committee, 1976-1986

Food and Drug Administration Center for Drug Regulation Advisory Committee, 1991-94

General Methodology Lecturer ASA, 1978

Southern Regional Education Board, 1982-1985

National Research Council Committee on National Statistics, 1984-1987

Am. Stat. Assoc. Wilks Memorial Medal Committee, 1985-1990

Board of Directors Savage Memorial Trust Fund, 1978-2000

Chair, Inst. Math. Stat. Committee for Selecting Officers, 1983-1986

Am. Stat. Assoc. Committee on Fellows, 1986-1990

Chairman, Panel on Occupational Safety and Health Statistics, Nat. Academy of Sciences, 1986-87

Presidents of Statistical Societies Selection Committee of Best Statistician under 40, 1985-1991

Am. Stat. Assoc. President's Invited Address, 1991

Inst. of Math. Stat. Committee to select Editor, 1993-94

National Institutes of Health Statistics Study Section 1997-1998

National Institute of Statistical Science, Board of Trustees 2000-2002

Publications:

I. Papers

1. The modified mean square successive difference and related statistics, Annals of Mathematical Statistics, Sept. 1956, pp. 819-824.
2. A note on the normal distribution, Annals of Mathematical Statistics, Sept. 1956, pp. 858-859.
3. On the distribution of certain ratios of quadratic forms in time series, Annals of Mathematical Statistics, Sept. 1957, pp. 724-730.
4. A note on McQuitty's index of concomitance, Journal of Educ. and Psych. Measurement, Spring 1958, pp. 125-128.
5. An extension of Box's results on the use of the F distribution in multivariate analysis, Annals of Mathematical Statistics, Sept. 1958 (with S.W. Greenhouse), pp. 885-891.
6. On methods in the analysis of profile data, Psychometrika, June 1959 (with S.W. Greenhouse), pp. 95-112.
7. A method for testing treatment effects in the presence of learning, Biometrics, Sept. 1959, pp. 389-395.
8. A statistical model for diagnosing zygois by ridgecount, Biometrics, March 1960 (with D.L. Richter), pp. 110-114.
9. The psychotherapeutic transaction - an operational model and system of analysis, Journal of Existential Psychiatry, No. 4, 1961 (with J. Scher and H. Campaigne), pp. 529-542.
10. On the evaluation of personality changes as measured by psychometric test profiles, Psychological Reports, Aug. 1961 (with R. McHugh and G. Sivanich), pp. 335-344.
11. The Latin Square as a repeated measurements design, Proceedings of the Berkeley Symposium in Probability and Statistics, Dec. 1961, pp. 241-250.
12. An application of probability to polymer chemistry, Bulletin of the International Statistical Institute, No. 33, 1961 (with D.F. Bradley), pp. 269-277.

13. Pairwise independence of jointly dependent variables, Annals of Mathematical Statistics, March 1962 (with N. Mantel), pp. 290-291.
14. Multivariate analysis of variance for a special covariance case, Journal of the American Statistical Association, Sept. 1963, pp. 660-669. Corregendum, Dec. 1964, p. 1296.
15. Posterior distributions for multivariate normal parameters, Journal of the Royal Statistical Society, Part 2, Series B, 1963 (with J. Cornfield), pp. 368-376.
16. Posterior odds for multivariate normal classification, Journal of the Royal Statistical Society, Part 1, Series B, 1964, pp. 69-76.
17. Estimation in the uniform covariance case, Journal of the Royal Statistical Society, Part 3, Series B, 1964, pp. 477-483.
18. Bayesian estimation in multivariate analysis, Annals of Mathematical Statistics, Feb. 1965, pp. 150-159.
19. A Bayes approach for combining correlated estimates, Journal of the American Statistical Association, June 1965, pp. 602-607.
20. Variations in the heavy polypeptide chain structure of gamma myeloma immunoglobulins from an inbred strain of mice and a hypothesis as to their origin, Journal of Molecular Biology, Dec. 1965 (with M. Potter and E. Appella), pp. 361-372.
21. A necessary and sufficient condition for the square of a random variable to be gamma, Biometrika, June 1966 (with C. Roberts), pp. 275-277.
22. Predictive discrimination, Multivariate Analysis, edited by P. Krishnaiah, Academic Press, 1966, pp. 149-163.
23. Estimation associated with linear discriminants, Annals of Mathematical Statistics, June 1967, pp. 807-817.
24. Predictive zero-mean uniform discrimination, Biometrika, Nov. 1968 (with M.M. Desu), pp. 519-524.
25. Alternative views of discrimination, Bulletin of the International Statistical Institute, No. 2, 1969, pp. 132-134.
26. Discriminatory practices, Bayesian Statistics, edited by D. Meyer and R.O. Collier, Peacock, 1970, pp. 57-70.

27. Bayesian analysis of growth curves, Sankhya, The Indian Journal of Statistics, Series A, Vol. 32, I, 1970, pp. 53-64.
28. Sample discriminants which minimize posterior squared error, The South African Journal of Statistics, 4, 1970 (with Peter Enis), pp. 85-93.
29. Bayesian and Fiducial solutions to the Fieller-Creasy problems, Sankhya, B, 1970, Vol. 32, 3 & 4 (with Russell Kappenman and Charles Antle), pp. 331-340.
30. A posterior region for parallel profile differentials, Psychometrika, March 1971, Vol. 36, No. 1 (with Russell Kappenman), pp. 71-78.
31. The inferential use of predictive distributions, Foundations of Statistical Inference, edited by V. Godambe and D. Sprott. Holt, Rinehart and Winston, 1971, pp. 456-469, (with discussion).
32. The estimation of the probability that $Y \leq X$, Journal of the American Statistical Association, March 1971, Vol. 66, No. 333 (with Peter Enis), pp. 162-168.
33. Growth curve prediction, Sankhya, A, 1972, No. 4 (with Jack C. Lee), pp. 393-412.
34. Methods and applications of equal mean discrimination, Discriminant Analysis and Applications, edited by T. Cacoullos, Academic Press, 1973 (with M.M. Desu), pp. 139-159.
35. Multiple birth discrimination, Multivariate Statistical Inference, edited by D. Kabe and R. Gupta, North Holland Publishing Co., 1973, pp. 49-55.
36. A note on linear discriminants, Bulletin of the International Statistical Institute, No. 1, 1973, pp. 442-448.
37. Normal characterizations via the squares of random variables, Sankhya, A, 1973, pp. 492-494.
38. Optimal predictive linear discriminants, Annals of Statistics, 1974, Vol. 2, No. 2, (with Peter Enis), pp. 403-410.
39. A predictive approach to the random effect model, Biometrika, 1974, pp. 101-107.
40. The predictive sample reuse method with applications, Journal of the American Statistical Association, 1975, Vol. 70, No. 350, pp. 320-328.
41. Applications of growth curve prediction, Sankhya, A, 1975, Vol. 37, 2 (with Jack C. Lee), pp. 239-256.

42. Bayesianism, predictive sample reuse, pseudo-observations and survival, Bulletin of the International Statistical Institute, No. 3, 1975, pp. 285-289.
43. A new approach to the fundamental problem of applied statistics, Sankhya, B, 1975, Vol. 37, 2, pp. 385-397.
44. Predictivism and sample reuse, Proceedings of the 21st Design of Experiments Conference, 1976, pp. 349-362.
45. Discrimination, allocatory and separatory, linear aspects, Classification and Clustering, edited by J. Van Ryzin, Academic Press, 1977, pp. 301-330.
46. On methods in the analysis of profile data, paper number 6 reprinted in Experimental Design and Interpretation, edited by R.O. Collier, Jr. and T.J. Hummel, McCutchan Publishing Co., 1977, pp. 211-233.
47. A predictive approach to model selection, Journal of the American Statistical Association, 1979, Vol. 74, No. 365, (with W.F. Eddy), pp. 153-160. Corregendum, 1980, Vol. 75, No. 371, p. 765.
48. Statistica esoterica or pathology reexamined and reaffirmed, Selecta Statistica Canadiana, 1979, Vol. 5, pp. 91-104.
49. Sample reuse procedures for conditional prediction, Bulletin of the International Statistical Institute, 1979, pp. 203-206.
50. Sample reuse selection and allocation criteria, Multivariate Analysis V, edited by P. Krishnaiah, North Holland Publishing Co., 1980, pp. 387-398.
51. Contributions of Sir Harold Jeffreys to Bayesian inference, Bayesian Analysis in Econometrics and Statistics, edited by A. Zellner, North Holland Publishing Co., 1980, pp. 13-20.
52. A predictivistic primer, Bayesian Analysis in Econometrics and Statistics, edited by A. Zellner, North Holland Publishing Co., 1980, pp. 363-381.
53. Basic theory of the 1922 mathematical statistics paper of R.A. Fisher, An appreciation of R.A. Fisher, ed. D.V. Hinkley and S.E. Fienberg, Springer Verlag, 1980, pp. 59-66.
54. Estimating the distribution function and predicting future observables, Proceedings of the Conference on Recent Developments in Statistical Methods and Applications, Academia Sinica, Taiwan, 1980, pp. 193-208.

55. Growth curve analysis, Multivariate Analysis Handbook I, Analysis of Variance, edited by P. Krishnaiah, North Holland Publishing Co., 1980, pp. 89-115.
56. Predictive sample reuse techniques for censored data, Bayesian Statistics (with discussion) University Press, Valencia, Spain, 1980, pp. 430-468.
57. Sample reuse procedures for predicting the unobserved portion of a partially observed vector, Biometrika, 1981, pp. 243-250.
58. Randomization, stratification, and other stuff, Controversies in the Clinical Evaluation of Analgesic-Anti-inflammatory-Antirheumatic Drugs, Symposia Medica Hoechst 16, 1981, pp. 225-238 (with discussion).
59. Model selection, prediction and estimation for multivariate normal populations (with D. de Waal, et al.), Journal of the South African Statistical Association, 15, 1981, pp. 113-127.
60. Assessing the predictive influence of observations, Essays in Statistics and Probability, North Holland Publishing Co., 1982, (with W. Johnson), pp. 343-358.
61. Observations on graduate programs in statistics and related issues, Teaching of Statistics and Statistical Consulting, edited by J. Rustagi and D. Wolfe, Academic Press, 1982, pp. 21-33, Rejoinder to discussion, pp. 119-122.
62. Aspects of the predictive and estimative approaches in the determination of probabilities, Biometrics 38, Supplement, March 1982, pp. 75-93 (with discussion).
63. Bayesian discrimination, Multivariate Analysis Handbook II, Classification, Pattern Recognition and Reduction of Dimension, edited by P. Krishnaiah, North Holland Publishing Co., 1982, pp. 101-120.
64. A predictive view of the detection and characterization of influential observations in regression analysis, Journal of the American Statistical Association, Vol. 78, No. 381, (with W. Johnson), 1983, pp. 137-144.
65. A remark on a model criticism technique, Bulletin of the International Statistical Institute, No. 2, 1983, pp. 925-927.
66. Predicting Pareto and Exponential Observables, Canadian Journal of Statistics, 1984, pp. 143-152.
67. On prior distributions for binary trials, American Statistician, (with discussion) 1984, Vol. 38, No. 4, pp. 244-251.

68. Estimative influence functions in the multivariate general model (with W. Johnson), Journal of Statistical Planning and Inference, Vol. 11, 1985, pp. 33-56.
69. On predicting observables: A selective update, Bayesian Statistics 2, ed. J. Bernardo, North-Holland, 1985, pp. 203-230.
70. A result on exchangeable normal variables, Bulletin of the International Statistical Institute, No. 1, 1985, pp. 203-204.
71. Interval prediction for Pareto and exponential variables, Journal of Econometrics, 1985, 29, pp. 173-185.
72. A comparison of several model selection procedures, Bayesian Inference and Decision Techniques, ed. P. Goel, North Holland Publishing Co. (with M. Clayton and D. Jennings), 1986, pp. 425-439.
73. Opera Selecta Boxi, Statistical Science, Vol. 1, No. 1, 1986, pp. 106-113.
74. Inference in cases of disputed paternity, Statistics and the Law, ed. M. De Groot et al., John Wiley, (with D.A. Berry), (with discussion) 1986, pp. 353-390.
75. Predictive analysis, Encyclopedia of Statistical Sciences, 1986, pp. 158-170.
76. Some remarks on exchangeable normal variables and potential applications, Contributions to the Theory and Applications of Statistics, ed. A.E. Gelfand, Academic Press, 1987, pp. 127-153.
77. Influential observations, diagnostics and predictive discordancy tests, Journal of Applied Statistics, Vol. 14, No. 2, 1987, pp. 133-142.
78. The future of statistics in retrospect, Bayesian Statistics 3, ed. J. Bernardo, Oxford University Press, 1988, pp. 147-158.
79. Predictive discordancy testing for exponential observations, Canadian Journal of Statistics, Vol. 17, No. 1, 1989, pp. 19-26. Correction, Vol. 19, No. 4, 1991, p. 453.
80. Predictive approaches to discordancy testing, Bayesian and Likelihood Methods in Statistics and Econometrics, 7, eds. S. Geisser et al., North Holland, 1990, pp. 321-335.
81. On hierarchical Bayes procedures for predicting simple exponential survival, Biometrics, Vol. 46, No. 1, 1990, pp. 225-230.

82. Diagnostics, divergences, and perturbation analysis, Directions in Robust Statistics and Diagnostics, eds. W. Stahel and S. Weisberg, Springer Verlag, I, 1991, pp. 89-100.
83. Introduction to “On the mathematical foundations of theoretical statistics” by R.A. Fisher, eds. S. Kotz and N.L. Johnson, Springer-Verlag, 1991, pp. 1-10.
84. Bayesian perturbation diagnostics and robustness, Bayesian Analysis in Statistics and Econometrics, eds. P. Goel and N. Iyengar, (with discussion), Springer-Verlag, 1992, pp. 289-301.
85. Some statistical issues in medicine and forensics, Journal of the American Statistical Association, 1992, 87, 419, 607-614.
86. Optimal administration of dual screening tests for detecting a characteristic, Biometrics, 1992, 48, 3, 839-852, (with W. Johnson).
87. On the curtailment of sampling, The Canadian Journal of Statistics, 1992, 20, 3, 297-309.
88. Testing Hardy-Weinberg equilibrium on allelic data from VNTR loci, American Journal of Human Genetics, (with W. Johnson), 1992, 51, 5, 1084-1089.
89. Bayesian approaches to some diverse biomedical problems, Probability and Bayesian Statistics in Medicine and Biology, CNR Applied Mathematics Monograph #4, eds. I. Barrai, G. Coletti and M. DiBacco, Pisa: Giardini Editori, 1992, 65-87.
90. Bayesian interim analysis of censored exponential observations, Statistics and Probability Letters, 1993, 18, 2, 163-168.
91. Testing independence of fragment lengths within VNTR loci. American Journal of Human Genetics, (with W. Johnson), 1993, 53, 1103-1106.
92. Interim analysis for normally distributed observables. Multivariate Analysis and its Applications, Institute of Mathematical Statistics, Lecture Notes - Monograph Series, T.W. Anderson et al., eds., (with W. Johnson), 1994, 263-279.
93. Testing independence when the form of the bivariate distribution is unspecified, with W. Johnson, Statistics in Medicine, 1995, 1625-1639.
94. Sample size considerations for multivariate normal classification, Bayesian Analysis in Statistics and Econometrics, with W. Johnson, ed. D.A. Berry, et al., Wiley, 1995, 289-298.

95. Posterior distributions for multivariate normal parameters. Bayesian Inference, Vol. II, eds. G. Tiao and N. Polson, 1995, 3-11. (Republication of 1963 Journal of the Royal Statistical Society paper with J. Cornfield.)
96. On the prediction of growth curves, Modelling and Prediction, with J.C. Lee, eds. W. Johnson et al., Springer, 1996, 77-104.
97. Some statistical issues in forensic DNA profiling, Modelling and Prediction, eds. W. Johnson et al., Springer, 1996, 3-18.
98. The dichotomization of a diagnostic test Bulletin of the International Statistical Institute
LVII, 2, 1997, 423-424.
99. Laplace approximations for censored linear regression models, with G.D. Papandonatos,
Canadian Journal of Statistics 25, 3, 1997, 337-358.
100. Some uses of order statistics in Bayesian analysis, Order Statistics and their Applications,
ed. C.R. Rao, et al. Elsevier Science Publishers. Vol. 17, 1998, 379-400.
101. The Statistics of DNA forensics. Utilitas Mathematica, 53, 1998, 125-140.
102. Comparing two tests used for diagnostic or screening purposes. Statistics and Probability Letters, 40, 1998, 113-119.
103. In dispraise of inconsistent DNA relative frequency estimates. Statistics in the Health Sciences: Genetics. IMA Vol. 112 in Mathematics and its Applications. M.E. Halloran et al. (eds) Springer-Verlag, 1999, 25-30.
104. Remarks on the Bayesian Method of Moments, with T. Seidenfeld Journal of Applied Statistics, 26, 1, 1999, 97-101.
105. Monte Carlo minimization for one step ahead sequential control, with L.-S. Chen and
C.J. Geyer. Statistics in the Health Sciences: Diagnosis and Prediction. ed. S. Geisser,

Springer, 1999, 109-130.

106. On the optimal administration of multiple screening tests, with M.D. Wang. Statistics in the

Health Sciences: Diagnosis and Prediction, ed. S. Geisser, Springer, 1999, 31-64.

107. Bayesian interim analysis for lifetime data, with G.D. Papandonatos, Canadian Journal of

Statistics, 27, 2, 1999, 269-289.

108. Significance Testing in the 2x2 Table. Bulletin of the International Statistical Institute, 2, 1,

1999, 379-80.

109. Statistics, litigation and conduct unbecoming. Statistical Science in the Courtroom, ed. J. Gastwirth, Springer, 2000, 71-89.

1. Observations on Graduate Programs in Statistics II. Bulletin of the International Statistical Institute, 2, IPM, 2001, 253-256.
2. A Bayesian View on Sampling the 2 x 2 Table, Foundations of Statistical Inference, Proceedings of the Shores Conference, eds. Haitovsky, Y., Leish, H. R., and Ritov, Y., Physica-Verlag, 2003, 77-87.
3. Optimal dichotomization for repeated tests, with M. D. Wang, Statistics and Probability Letters, 62, 2003, 61-70.
4. The Analysis of Profile Data Revisited, to appear in Statistics in Medicine.

II. Volumes/Books

1. Counting injuries and illnesses in the workplace: Proposals for a better system, National Academy Press, ed. E. Pollack, 1987, 176 pages.

2. Bayesian and Likelihood Methods in Statistics and Econometrics, 7, North Holland, (ed. with J.S. Hodges, et al.), 500 pages, 1990.

3. Predictive Inference: An Introduction, Chapman-Hall, 264 pages, 1993.
4. Statistics in Genetics. IMA Vol. 112 in Mathematics and its Applications. ed. with M. E. Halloran, Springer-Verlag 240 pages, 1999.
5. Diagnosis and Prediction. IMA Vol. 114 Mathematics and its Applications. ed. Springer-Verlag, 1999, 150 pages.

III. Book Reviews, Reviewed In:

1. Science, Sept. 2, 1955, An Introduction to Stochastic Processes, by M.S. Bartlett, pp. 423-424.
2. Technometrics, Nov. 1962, An Elementary Introduction to the Theory of Probability, by B.V. Gnedenko and A.Y. Kinchin, pp. 615-616.
3. Technometrics, Aug. 1963, Statistical Theory, by B.W. Lindgren, p. 411.
4. Journal of the American Statistical Association, Dec. 1963, Statistical Principles of Experimental Design, by B.J. Winer, pp. 1175-1176.
5. Technometrics, Nov. 1964, Probability and Mathematical Statistics, by Marek Fisz, p. 473.
6. Science, June 11, 1965, Multivariate Statistical Analysis for Biologists, by H. Seal, pp. 423-424.
7. Technometrics, May 1966, Introduction to Probability and Statistics from a Bayesian Viewpoint, Vol. 1 and Vol. 2, by D.V. Lindley, pp. 375-376.
8. Biometrics, June 1967, Logic of Statistical Inference, by Ian Hacking, pp. 371-373.
9. Review of the International Statistical Institute, 1969, Elementary Statistical Methods, by G.B. Wetherill, pp. 114-115.
10. Bulletin of the American Mathematical Society, Sept. 1976, Statistical Prediction Analysis, by J. Aitchison and I.R. Dunsmore, pp. 683-688.

IV. Miscellanea and Discussions:

1. Proceedings of the 5th Biometrics Conference: Posterior Odds for Multivariate Normal Classifications, 1963, pp. 1-8.
2. Fiducial Inference Session: Bulletin of the International Institute of Statistics, No. 34, 1964, p. 925.
3. Symposium on Sequential Clinical Trials: Journal of Chronic Diseases, Vol. 19, 1966, p. 878.
4. Wisconsin Symposium on the Future of Statistics, 1969, Academic Press, Editor, D. Watts, p. 130.
5. A Variance System: Problems and Solutions, Mathematics Monthly, May 1969 (with P. Schillo), pp. 560-561.
6. Invited Discussion on “Bayesian Outlook and Its Application” by J. Cornfield, Biometrics, Dec. 1969, pp. 643-645.
7. Letter to the Editor, American Statistician, Feb. 1970, pp. 59-60.
8. Discussion in Bayesian Statistics, edited by D. Meyer and R.O. Collier, Peacock, 1970, pp. 88-89, 95, 99, 101, 108, 110-111, 113, 118, 120, 123-124.
9. Waterloo Symposium on Inference: comments on paper by J. Kalbfleisch. Holt, Rinehart and Winston, 1971, p. 391.
10. Letter to the Editor, American Statistician, Oct. 1972, p. 56.
11. Discussion on “Marginalization Paradoxes in Bayesian and Structural Inference” by A.P. Dawid et al., Journal of the Royal Statistical Society, B, 1973, pp. 224-225.
12. Discussion on “Bayesianism: Its Unifying Role for Both the Foundations and its Applications of Statistics,” by B. de Finetti, Bulletin of the International Statistical Institute, No. 4, 1973, p. 374.
13. Discussion on “Cross-validatory choice and assessment of statistical predictions” by M. Stone, Journal of the Royal Statistical Society, Series B, 1974, pp. 141-142.
14. Discussion on “Resolving the controversy in statistical inference” by G.N. Wilkinson, Journal of the Royal Statistical Society, B, 1977, pp. 155-156.

15. Discussion on “Conditional independence in statistical theory” by A.P. Dawid, Journal of the Royal Statistical Society, B, 1979, p. 23.
16. Discussion on “Reference posterior distributions for Bayesian inference” by J.M. Bernardo, Journal of the Royal Statistical Society, B, 1979, pp. 136-137.
17. Discussion on “Likelihood, Sufficiency and Ancillarity” papers by H. Akaike and A.P. Dawid, Bayesian Statistics, University Press, Valencia, Spain, 1980, pp. 194-195.
18. Discussion on “Improving Judgements Using Feedback” by S.J. Press, Ibid., pp. 416-418.
19. Discussion on “Some history of the hierarchical Bayesian methodology” by I.J. Good, Ibid., p. 508.
20. Discussion on “Posterior odds for selected regression hypotheses” by A. Zellner, Ibid., p. 636.
21. Discussion on “Sampling and Bayes’ inference in scientific modelling and robustness” by G.E.P. Box, Journal of the Royal Statistical Society, A, 1980, pp. 416-417.
22. Discussion on “Subjective measurements in rheumatic diseases” by E.C. Huskinson, Controversies in the Clinical Evaluation of Analgesic-Anti-inflammatory-Antirheumatic Drugs, Symposia Medica Hoechst 16, 1981, p. 389.
23. Discussion on “Are morning stiffness and time to onset of fatigue really measurable?” by R. Eberl, Ibid., p. 124.
24. Discussion on “The crossover study design is not dead” by H.E. Paulus, Ibid., p. 253.
25. Discussion on “Multivariate analysis can accomplish the same thing more effectively” by R.M. Elashoff, Ibid., p. 271-272.
26. Discussion on “Radiographic evaluation of rheumatoid arthritis in therapeutic trials” by A. Larsen, Ibid., p. 334.
27. Discussion on “Safety in numbers or how much is enough” by S.S. Schor, Ibid., pp. 416, 421-422.
28. Discussion on “Can we recognize subgroups of rheumatoid arthritis by selective responsiveness to disease-modifying drugs” by A. Bjell, Ibid., p. 477.

29. Discussion on “Information measures and model selection” by H. Akaike, Bulletin of the International Statistical Institute, No. 3, 1983, pp. 216-217.
30. Discussion on “Bayesian model comparisons in the presence of outliers” by L.I. Pettit and A.F.M. Smith, Bulletin of the International Statistical Institute, No. 3, 1983, p. 219.
31. Discussion on “A coherent view of statistical inference for public science” by G.A. Barnard, Waterloo Technical Series, 1985, pp. 63-65.
32. Discussion on “Outliers and influential observations in linear models” by L.I. Pettit and A.F.M. Smith, Bayesian Statistics 2, North-Holland, 1985, p. 492.
33. Discussion on “Bayesian statistics in econometrics” by A. Zellner, Ibid., pp. 583-584.
34. Discussion on “Predictive likelihood” by R. Butler, Journal of the Royal Statistical Society, B, Vol. 47, No. 1, 1986, pp. 31-32.
35. Discussion on “Assessment of local influence” by R.D. Cook, Journal of the Royal Statistical Society, B, Vol. 47, No. 2, 1986, p. 163.
36. Discussion on “Stochastic Complexity” by J. Rissanen, Journal of the Royal Statistical Society, B, Vol. 48, No. 3, 1987, pp. 257-258.
37. Comments on “The statistical precision of medical screening procedures: application to polygraph and AIDS antibodies test data” by J. Gastwirth, Statistical Science, Vol. 2, No. 3, 1987, pp. 231-232.
38. Comments on “Uncertainty, policy analysis, and statistics” by J.S. Hodges, Statistical Science, Vol. 2, No. 3, 1987, pp. 277-279.
39. Comments on “Prediction of future observations in growth curve models” by C.R. Rao, Statistical Science, Vol. 2, No. 4, 1987, pp. 465-467.
40. Comments on “Bayesian nonparametric survival analysis” by M. Berliner and B. Hill, Journal of the American Statistical Association, Vol. 83, 1988, pp. 781-782.
41. Some remarks on DNA fingerprinting, Chance, Vol. 3, No. 3, 1990, pp. 8-9.
42. Reply to Aitkin. Journal of the American Statistical Association, Vol. 89, 1994, p. 364.
43. Discussion on “Repeated Measurements” articles. Statistics in Medicine, Vol. 13, 1994, pp. 495-498.

44. Discussion on “General Methodology.” Statistics in Medicine, Vol. 13, 1994, pp. 555-556.

45. Discussion on “Inference and Forensic Identification” by D.J. Balding and P. Donnelly, Journal of the Royal Statistical Society A, 158, 1, 1995, pp. 46-47.

46. Discussion on “Inferences from multinomial data” by P. Walley, Journal of the Royal Statistical Society B, 1995, 58, 1, p. 44.

47. Letter to the Editors. Non-Parametric Pedantry. Royal Statistical Society News, November, 1998, p. 7.

Grants and Fellowships:

National Institutes of Health Senior Fellowship: 1971 (declined to come to Minnesota)

National Institute of General Medical Sciences - Multivariate Analysis: 1966-1972

Minn. Agr. Exp. Stat. - Growth Curves: 1973

Army Research Office - Predictive Sample Reuse Methods: 1974-1977

National Institute of General Medical Sciences - Predictive Methods: 1978-1998

National Science Foundation - Diagnostics and Robustness: 1986-1988

National Science Foundation - Equipment Grant: 1990, 1994

Forensic Consultations:

1. Rajender vs. University of Minnesota: gender discrimination
2. Gleason vs. University of Minnesota: gender discrimination
3. U.S. vs. Perl: mail fraud

4. NBC - 60 Minutes vs. Eli Lilly: Analysis of Oralex
5. Anoka County vs. Neumann: paternity
6. Scott County vs. Reed: paternity
7. Anoka County vs. Arford: paternity
8. Employee vs. Inland Steel Corp.: physical disability discrimination
9. Minnesota vs. Schwartz: homicide
10. General Mills vs. Ethyl Corp.: commercial dispute.
11. Washington State vs. Catheron: rape
12. Washington State vs. Kalkowsky: rape
13. California vs. Axell: homicide
14. Oregon vs. Futch: homicide
15. California vs. Wilds: rape
16. Employees vs. Conwed: workmen's compensation
17. New Mexico vs. Anderson: rape
18. Colorado vs. Lindsey: rape
19. Colorado vs. Groves: rape
20. Dakota County vs. Welton: paternity
21. Colorado vs. Groves: homicide
22. Minnesota vs. Jobe: homicide
23. Iowa vs. Edwards: homicide
24. Missouri vs. Ferguson: homicide
25. Illinois vs. Flemming: rape
26. Washington State vs. Chappel: homicide

27. D.C. vs. Forte: rape
28. Consultant to Israeli National Police on DNA
29. Minnesota vs. Johnson: homicide
30. Minnesota vs. Alt: rape
31. Washington State vs. Copeland: rape
32. Hammal vs. Wessel: paternity
33. New Mexico vs. Crockett
34. Michigan vs. Chandler: rape
35. Howie vs. Thomas: paternity
36. Anglin et al. vs. Minneapolis Library: domestic partner dispute
37. California vs. Soto: rape
38. Gulbramson vs. Malin: paternity
39. Myers vs. Barrot: paternity
40. Ethyl Corporation vs. British Petroleum: commercial dispute
41. Washington State vs. Jones: rape
42. DC vs. Brigerton: incest
43. Minnesota vs. Perez: homicide
44. New Jersey vs. Marcus: homicide
45. US vs. Peters: homicide
46. Cerys vs. Amendola: paternity
47. Fairbanks vs. Holm: paternity
48. Alaska vs. Harmon: homicide
49. Washington vs. Defroe: rape

50. Oregon vs. Barrett: homicide
51. Oregon vs. Harris: homicide
52. California vs. Tibbals: homicide
53. Ramsey County vs. Caulfield: paternity
54. Colorado vs. Yoakum: rape
55. California vs. Smith: rape
56. Hennepin Co. vs. Dawson: paternity
57. Washington vs. Dyer: rape
58. California vs. Olden: rape
59. U.S. vs. Ninneman: scientific misconduct
60. Virginia vs. O'Dell: homicide
61. Wisconsin vs. Janssen: homicide
62. Alaska vs. Brodene: homicide
63. Alaska vs. Anthony: homicide
64. McCart vs. Goodwin: paternity
65. California vs. Fredman: rape
66. Colorado vs. Joyce: rape
67. Colorado vs. Harlan: rape
68. California vs. Simpson: homicide
69. California vs. Fountain: rape
70. Massachusetts vs. Walsh: armed robbery
71. Colorado vs. Glasgow: rape
72. California vs. Underwood: homicide

73. Missouri vs. Mitchel: homicide
74. New York vs. Knight: rape
75. Washington vs. Davis: rape
76. Arizona vs. Boddie: rape
77. Missouri vs. Johnson: homicide
78. Illinois vs. Macri: homicide
79. Illinois vs. Turnipseed: rape
80. Illinois vs. Pfiel: homicide
81. Missouri vs. Johnson: homicide
82. Washington vs. Williams: rape
83. Washington vs. Thomas: rape
84. Ramsey County vs. Sorvig: paternity
85. Dakota County vs. Bolton: paternity
86. Colorado vs Morris: homicide
87. Florida vs. Bobbit: homicide
88. Illinois vs. Abernathy: homicide
89. Florida vs. Johnson: rape
90. California vs. Pizzaro: rape
91. Washington vs. Cauthron: homicide
92. Washington vs. Gore: rape
93. Ramsey County vs. Hegner: paternity
94. Brockman et al vs. Sun Valley et al: hockey injuries
95. Minnesota vs. R.J.Reynolds: health reimbursements

96. Colorado vs. Richardson: homicide
97. Minnesota vs. Badeo: statutory rape
98. Multiple plaintiffs vs. American Medical Systems: penile implants.
99. Illinois vs. Watson: rape
100. Colorado vs. Rothaermel: rape

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