Peter McCullagh
February 2026

Personal:

Address:
Department of Statistics, University of Chicago,
5734 University Ave, Chicago Il 60637.

Phone No: (773) 702 8340 (work);
E-mail: `pmcc@galton.uchicago.edu`

Education:

St. Columb's College, Derry, N. Ireland, 1963–1970.
B.Sc. (Mathematics and Statistics), University of Birmingham, 1974.
Ph.D. (Statistics), Imperial College, London, 1977.

Professional Career:

1974–1977: Research Assistant, Dept of Mathematics, Imperial College.
1977–1979: Visiting Assistant Professor, Dept of Statistics, University of Chicago.
1979–1985: Lecturer in Statistics, Dept of Mathematics, Imperial College.
1981–1982: Visiting Lecturer, Dept of Mathematics, University of British Columbia, Vancouver, B.C.
1982:   Visiting Associate Professor, Fred Hutchinson Cancer Research Center, Seattle, Washington.
1984–1985: Member of Technical Staff, AT&T Bell Labs, Murray Hill, N.J.
1985–date: Professor, Dept of Statistics, University of Chicago.
1992–1998: Chairman, Dept of Statistics, University of Chicago.

Honours:

Alison Powell Memorial Prize, University of Birmingham, 1974.
Royal Statistical Society Guy medal in Bronze, 1983.
Fellow, Institute of Mathematical Statistics, 1989.
COPSS Presidents' Award, 1990.
'Statistician of the Year Award' Chicago Chapter, ASA 1991.
Fellow, American Association for the Advancement of Science, 1992.
Fellow of the Royal Society, 1994.
Fellow of the American Statistical Association, 1994.
Fellow of the American Academy of Arts and Sciences, 2002.
Royal Statistical Society Guy medal in silver 2005.
Karl Pearson Award 2013 (ISI): `http://www.isi-web.org/WSC/726-2013kpp`
Eastman visiting Professor, Oxford and Balliol, 2015–2016.

Professional Societies:

   The Royal Statistical Society
   The American Statistical Association
   The Biometric Society
   Bernoulli
   The International Statistical Institute
   Institute of Mathematical Statistics
   American Association for the Advancement of Science
   American Academy of Arts and Sciences
   Sigma Xi
   The Royal Society

Professional Activities:

   Royal Statistical Society Research Section Committee, 1981–1985.
   Associate Editor, Biometrika 1983–1995
   Associate Editor, J. Roy. Statist. Soc. B 1984–1986
   Associate Editor, Ann. Inst. Statist. Math. (Japanese Statistical Journal), 1986-2003
   Associate Editor, Brazilian Journal of Statistics, 1986–2000
   Associate Editor, Bernoulli, 1994–2003; 2009–
   Associate Editor, Electronic J. Statistics, 2007–
   Associate Editor, Biometrika, 2013–
   IMS council member 1992–95, 2001–2003
   Bernoulli Editor 2004–2006
   Royal Society SC1 member: 1998–2001, 2011–2014: Chair 2012–2014

   Invited lecture entitled "Models for Ordinal Data", International Statistical Institute, Manila, 1979.
   Two-week course on the analysis of discrete data. University of Perugia, Italy, April 1981.
   ASA/Biometrics General Methodology Lecture on "Analysis of Covariance" (Joint with D.R. Cox.)
      Detroit, 1981
   Invited lecture entitled "Statistical and Scientific aspects of Models for Qualitative Data". NATO
      Advanced Research Workshop on 'Analysis of Qualitative Spatial Data', Amsterdam, 1983.
   ASA two-day short course on "Generalized Linear Models" (with D. Pregibon & J.A. Nelder), Toronto,
      1983.
   Invited series of lectures at various CSIRO centres (Perth, Melbourne and Canberra). July, 1984.
   Series of 10 invited lectures on Generalized Linear Models at the University of Helsinki, Finland, August,
      1984.
   Invited lecture entitled "Sparse Data and Conditional tests", International Statistical Institute, Ams-
      terdam, 1985.
   ASA General Methodology Lecture on "Some Considerations in the Analysis of Discrete Data", Chicago,
      1986.
   Invited lecture to Statistical Society of Australia on "Dispersion Effects and Quality Control", Adelaide,
      1986.
   Special invited IMS lecture on "Sex and the salamander: a study of random effects in logistic models",
      Boston, March 1988.
   Invited lecture entitled "Models for discrete multivariate responses", International Statistical Institute,
      Paris September 1989.
   Invited lecture on quasi-likelihood functions. IMS/ENAR meeting, Baltimore, April 1990.
   Invited lecture on regression models for ranked data. Amherst meeting on probability and ranking
      models, June 1990.
   Invited lecture on modifications to profile likelihood, Niagara workshop on asymptotics and likelihood,
      June 1990.

One-day course on 'Generalized Linear Models', N.E. Illinois ASA chapter, July 1990.
Course on Generalized Linear Models at ENAR meeting, Houston, March 1991.
Greenberg Lectures, Dept of Biostatistics, University of North Carolina May 1992.
Allen T. Craig Lectures, Dept of Statistics, University of Iowa. April 1994.
Stephen Corcoran lectures, Oxford University, 1999.
Mahalanobis lectures, ISI, Delhi, Bangalore, Calcutta, March 2001.
École d'été, Troisième cycle, Switzerland, Sept 2005
Keynote speaker, Argentine Biometrics conference, Oct 2005
Buehler-Martin Lectures, Minnesota, March 2006
ICM invited lecture, Madrid, August 2006
Keynote speaker, NHRI conference, Hsinchu, Taiwan, July 2007
Neyman lecturer, Singapore, 2008.
Kuwait lecture, University of Cambridge, England. November 2008
Hotelling lectures, University of North Carolina at Chapel Hill, December 2008
Bradley lectures, University of Georgia, May 2011
Karl Pearson Lecture, ISI meeting, Hong Kong, August 2013
South African Statistical Association GLM workshop and keynote lecture. Polokwane, Nov 2013
Myra Samuels lecture, Purdue, April 2014
Keynote speaker, Minghui Yu memorial conference, Columbia, April 2014
Fisher Memorial Lecture, Oxford, October, 2015.

Ph.D. Students supervised:

G.M. Cordeiro 1979-1982. Thesis entitled: 'Improved likelihood-ratio tests for generalized linear models.'
J. Kolassa 1987-89. Thesis entitled 'Topics in series approximation to distribution functions.'
M. Drum 1987-91. Thesis entitled 'Estimation of variance components in mixed logistic models.'
B. Li 1989-92. Thesis entitled 'Some topics in a moment-based theory of statistical inference.'
Z. Shun 1991-94. Thesis entitled 'Some results connected with random effects in logistic models.'
Qi-Yu Zhang 1990-95. Thesis entitled 'Statistical inference and nuisance parameters.'
Chih-Rung Chen 1994–97. Statistical inference using estimating functions.
Ernst Wit 1997–2000. The algebraic structure of statistical models.
Z. Tan 1999–2003. Statistical models and Monte Carlo integration.
D. Clifford 2000–2004. The nature of spatial variation of crop yields.
Jie Yang 2003–2006 Exchangeability, partition models and cluster processes.
Su-Yeon Kim 2005–2008 (joint with Jonathan Pritchard) Adaptive evolution of conserved non-coding elements.
Harry Crane 2009–2012 Markov partition models
Han Han 2008–2012 (jointly with Dan Nicolae)
Walter Dempsey 2012–2015
Micól Tresoldi 2018–2022
Daniel Xiang 2020–2024

Peter McCullagh

Publications

Books

McCullagh, P. and Nelder, J.A. (1983). *Generalized Linear Models,* London, Chapman & Hall.

McCullagh, P. and Nelder, J.A. (1989). *Generalized Linear Models, 2nd. Edition.* London, Chapman & Hall.

McCullagh, P. (1987). *Tensor Methods in Statistics.* London, Chapman & Hall.

McCullagh, P. (2018). *Tensor Methods in Statistics, 2nd. Edition.* Dover Publications, New York.

McCullagh, P. (2022) *Ten Projects in Aplied Statistics.* Springer.

Papers

1 McCullagh, P. (1977). A logistic model for the analysis of paired comparisons with ordered categorical data. *Biometrika* **64**, 449–453.

2 McCullagh, P. (1978). A class of parametric models for the analysis of square contingency tables with ordered categories. *Biometrika* **65**, 413–418.

3 McCullagh, P. (1979). The use of the logistic function in the analysis of ordinal data. *Bulletin of the I.S.I.* **48.2**, 21–33.

4 McCullagh, P. (1980). Regression models for ordinal data (with discussion). *J. R. Statist. Soc.* B **42**, 109–142.

5 McCullagh, P. (1981). A rapidly convergent series for computing $\psi(z)$ and its derivatives. *Mathematics of Computation* **36**, 247–250.

6 Cox, D.R. and McCullagh, P. (1982). Some aspects of analysis of covariance (with discussion). *Biometrics* **38**, 541–561.

7 McCullagh, P. (1982). Some applications of quasi-symmetry. *Biometrika* **69**, 303–308.

8 McCullagh, P. (1983). Quasi-likelihood functions. *Ann. Statist.* **11**, 59–67.

9 McCullagh, P. (1984). On the elimination of nuisance parameters in the proportional odds model. *J. R. Statist. Soc.* B **46**, 250–256.

10 McCullagh, P. and Lang, P. (1984). Stochastic models for rock instability in tunnels. *J. R. Statist. Soc.* B **46**, 344–352.

11 McCullagh, P. (1984). Recurrence processes. *J. Appl. Prob.* **21**, 167–172.

12 McCullagh, P. (1984). Generalized linear models. *European Journal of Operations Research* **16**, 285–292. doi:10.1016/0377-2217(84)90282-0

13 McCullagh, P. (1984). Local sufficiency. *Biometrika* **71**, 233–244.

14 McCullagh, P. (1984). Tensor notation and cumulants of polynomials. *Biometrika* **71**, 461–476.

15 McCullagh, P. (1985). Statistical and scientific aspects of models for qualitative data. In *Measuring the Unmeasurable* Ed. P. Nijkamp. NATO Scientific Publications, 39–49.

16 McCullagh, P. (1985). On the asymptotic distribution of Pearson's statistic in linear exponential family models. *Int. Statist. Rev.* **53**, 61–67.

17 McCullagh, P. (1985). Sparse data and conditional tests. *Bulletin of the I.S.I.* **51.3**, Amsterdam.

18 McCullagh, P. (1986). Quasi-likelihood functions. *Encyclopedia of Statistical Sciences*, (S Kotz and N. Johnson eds.) **7**, 464–467.

19 McCullagh, P. and Cox, D.R. (1986). Invariants and likelihood ratio statistics. *Ann. Statist.* **14**, 1419–1430.

20 McCullagh, P. (1986). On the conditional distribution of goodness of fit statistics for discrete data. *J. Am. Statist. Assoc.* **81**, 104–107.

21 McCullagh, P. and Pregibon, D. (1987). k-statistics and dispersion effects in regression. *Ann. Statist.* **15**, 202–219.

22 McCullagh, P. and Zidek, J.V. (1987). Regression methods and performance criteria for small-area population estimation. In *Small Area Statistics*, Eds. Rao, Platek, Sarndal, Singh. 62–74. New York: Wiley.

23 McCullagh, P. (1988). Tensors. *Encyclopedia of Statistical Sciences*, (S Kotz and N. Johnson eds.). **9**, 195–8.

24 McCullagh, P. and Wilks, A. (1988). Complementary set partitions. *Proc. Roy. Soc. Lond.* A **415**, 347–362.

25 McCullagh, P. (1989). What can go wrong with iteratively re-weighted least squares? In *Multi-level Analysis of Educational Data*, Ed. D. Bock. Academic Press, 147–157.

26 McCullagh, P. (1989). Some statistical properties of a family of continuous univariate distributions. *J. Am. Statist. Assoc.* **84**, 125–9.

27 McCullagh, P. (1989). Models for discrete multivariate responses. *Bulletin of the I.S.I.*, Paris, **53.3**, 407–418.

28 McCullagh, P. and Tibshirani, R. (1990). A simple method for the adjustment of profile likelihoods. *J. R. Statist. Soc.* B **52**, 325–344.

29 Kolassa, J. and McCullagh, P. (1990). Edgeworth series for lattice distributions. *Ann. Statist.* **18**, 981–985.

30 McCullagh, P. (1990). Quasi-likelihood and estimating functions. In *Statistical Theory and Modelling: In Honour of Sir David Cox.* London: Chapman & Hall, 265–286.

31 Cordeiro, G. and McCullagh, P. (1991). Bias correction in generalized linear models. *J. R. Statist. Soc.* B **53**, 629–643.

32 McCullagh, P. (1992). Generalized linear models: Introduction to Nelder and Wedderburn (1972). In *Breakthroughs in Statistics, vol II*, S. Kotz and N. Johnson, eds., 543–545, Springer.

33 McCullagh, P. (1992). Conditional inference and Cauchy models. *Biometrika* **79**, 247–59.

34 McCullagh, P. (1993). Permutations and regression models. In *Probability Models and Statistical Analyses for Ranking Data.* Springer Lecture Notes **80**, 196–215, M. Fligner and J. Verducci, editors.

35 McCullagh, P. (1993). Models on spheres and models for permutations. In *Probability Models and Statistical Analyses for Ranking Data.* Springer Lecture Notes **80**, 278–283, M. Fligner and J. Verducci, editors.

36 McCullagh, P. and Ye, J. (1993). Matched pairs and ranked data. In *Probability Models and Statistical Analyses for Ranking Data.* Springer Lecture Notes **80**, 299–306, M. Fligner and J. Verducci, editors.

37 Drum, M. and McCullagh, P. (1993). REML estimation with the exact covariance in the logistic mixed model. *Biometrics* **49**, 677–89.

38 McCullagh, P. and Liang, K-Y. (1993). Case studies in binary dispersion. *Biometrics* **49**, 623–30.

39 McCullagh, P. (1993). On the choice of ancillary in the Cauchy location-scale problem. In *Statistics and Probability: A R.R. Bahadur Festschrift,* Ghosh, Mitra, Partasarathy and Prakasa Rao, editors. Wiley Eastern, 445–62.

40 McCullagh, P. (1993). On the distribution of the Cauchy maximum likelihood estimator. *Proc. Roy. Soc. Lond. A* **440**, 475–79.

41 Barndorff-Nielsen, O.E. and McCullagh, P. (1993). A note on the relation between modified profile likelihood and the Cox-Reid adjusted profile likelihood. *Biometrika* **80** 321–8.

42 Li, B. and McCullagh, P. (1994). Potential functions and conservative estimating functions. *Ann. Statist.* **22**, 340–356.

43 McCullagh (1994). Does the moment generating function characterize a distribution? *Amer. Statistician* **48**, p. 208.

44 McCullagh (1994). Exponential mixtures and quadratic exponential models. *Biometrika* **81**, 721–9. corr. **83**, p. 248.

45 Glonek, G.F.V. and McCullagh, P. (1995). Multivariate logistic models. *J. R. Statist. Soc.* B **53**, 533–46.

46 McCullagh, P. and Shun, Z. (1995). Laplace approximation of high-dimensional integrals. *J. R. Statist. Soc.* B **53**, 749–60.

47 McCullagh, P. (1996). Möbius transformation and Cauchy parameter estimation. *Ann. Statist.* **24**, 786–808.

48 McCullagh, P. (1996). Linear models, vector spaces, and residual likelihood. In *Modelling Longitudinal and Spatially Correlated Data*, Gregoire *et al* editors, 1–10, Springer Lecture Notes No. 122.

49 McCullagh, P. (1998). The proportional odds model. In *Encyclopedia of Biostatistics* **5**, 3560–63.

50 McCullagh, P. (1999). Quotient spaces and statistical models. *Canadian J. Statist.* **27**, 447–456.

51 McCullagh, P. (2000). Re-sampling and exchangeable arrays. *Bernoulli* **6**, 303–322.

52 McCullagh, P. (2000). Invariance and factorial models (with discussion). *J. R. Statist. Soc.* B **62**, 209–256.

53 McCullagh, P. (2002). What is a statistical model? (with discussion). *Ann. Statist.* (2002) **30**, 1225–1310.

54 McCullagh, P. and Wit, E. (2002). The extendibility of statistical models. In *Algebraic Methods in Statistics*. AMS Contemporary Mathematics Series, M. Viana and D. Richards Editors. 327–340.

55 McCullagh, P. (2002). Quasi-symmetry and representation theory. *Ann. Fac. Sci. Toulouse Math., Série 6* **11** no. 4, 541–561.

56 Kong, A., McCullagh, P., Meng, X-L., Nicolae, D. and Tan, Z. (2002). A theory of statistical models for Monte-Carlo integration (with discussion). *J. R. Statist. Soc.* B **65**, 585–618.

57 McCullagh, P. (2003). John Wilder Tukey 1915–2000. *Biographical Memoirs of the Royal Society of London* **49**, 537–555.

58 McCullagh, P. (2005). Exchangeability and regression models. In *Celebrating Statistics* (Festscrift for D.R. Cox) Oxford Statistical Science Series **33** 89–113.

59 McCullagh, P. (2005). Discussion of Analysis of variance: why it is more important than ever. by A. Gelman. *Ann. Statist.* **33**, 33–38.

60 McCullagh, P. and Clifford, D. (2006). Evidence for conformal invariance of crop yields. *Proc. Roy. Soc. Lond. A* **462**, 2119–2143.

61 Clifford, D. and McCullagh, P. (2006). The regress function. *R Newsletter* **6**, 6–10.

62 McCullagh, P. and Yang, J. (2006). Stochastic classification models. *Proc. Int. Congress of Mathematicians, Madrid* III, 669–686.

63 McCullagh, P. and Møller, J. (2006). The permanental process. *Advances in Applied Probability* **38**, 873–888.

64 Kong A, McCullagh P, Meng X-L. and Nicolae D.L. (2007). Further explorations of likelihood theory for Monte Carlo integration. In *Advances in Statistical Modeling and Inference; Essays in Honor of Kjell Doksum*, World Scientific Publishing Company, Imperial College Press.

65 McCullagh, P. and Yang, J. (2008). How many clusters? *Bayesian Analysis* **3**, 1–19.

66 McCullagh, P. (2008). Sampling bias and logistic models (with discussion). *J. R. Statist. Soc.* B **70**, 643–677.

67 McCullagh, P. (2008). Marginal likelihood for parallel series. *Bernoulli* **14**, 593–603.

68 McCullagh, P., Pitman, J. and Winkel, M. (2008). Gibbs fragmentation trees. *Bernoulli* **14**, 988–1002.

69 McCullagh, P. (2009). Marginal likelihood for distance matrices. *Statistica Sinica* **19** 631–649.

70 Kou, S. and McCullagh, P. (2009). Approximating the α-permanent. *Biometrika* **96** 635–644.

71 McCullagh, P., Vovk, V., Nouretdinov, I., Devetyarov, D. and Gammerman, A. (2009) Conditional prediction intervals for linear regression. *International Conference on Machine Learning and Applications*, 131–138.

72 McCullagh, P. (2010) Random permutations and partition models (2010) *International Encyclopedia of Statistical Science* M. Lovric, editor, Springer

73 McCullagh, P. and Han, H. (2011) On Bayes's theorem for improper mixtures. *Ann. Statist.* **39**, 2007–2020.

74 Yang, J., Miescke, K. and McCullagh, P. (2012) Classification based on a permanental process with cyclic approximation. *Biometrika* **99**, 775–786. `doi:10.1093/biomet/ass047`

75 McCullagh, P. (2012) An asymptotic approximation for the permanent of a doubly stochastic matrix. *J. Statist. Comp. and Simulation* 1–11. `DOI:10.1080/00949655.2012.712122`

76 Cumulants and partition lattices. (2012) Introduction to Chapter 6 of *Selected works of Terry Speed*, Ed. S. Dudoit. 277–282. Springer

77 Di Nardo, E., McCullagh, P. and Senato, D. (2013) Natural statistics for spectral samples. *Ann. Statist.* **41** 982–1004. `http://arxiv.org/abs/1302.5892`

78 Crane, H. and McCullagh, P. (2015) Reversible Markov structures on divisible set partitions. *J. Applied Prob.* **52** 622–635.

79 Crane, H. and McCullagh, P. (2015) Poisson superposition processes. *J. Applied Prob.* **52** 1013–1027.

80 McCullagh, P. (2016) Two early contributions to the Ewens saga. *Statistical Science* **31** 23–26.

81 McCullagh, P., Lake, P. and McCullagh, M. (2016) Deriving coarse-grained charges from all-atom systems: An analytic solution. *Journal of Chemical Theory and Computation* **12** 4390–4399.

82 McCullagh, E.A., McCullagh, P., Klug, A., Leszczynski, J. and Fong, D.L. (2017) Effects of an extended cage-change interval on ammonia levels and reproduction in Mongolian gerbils (Meriones unguiculatus) *Journal of the American Association for Laboratory Animal Science* **56** 713–717.

83 Dempsey, W. and McCullagh, P. (2017) Exchangeable Markov survival processes and weak continuity of predictive distributions. *Electronic journal of Statistics* **11** 5406–5451.

84 Dempsey, W. and McCullagh, P. (2018) Survival models and health sequences (with discussion). *Lifetime Data Analysis* **24** 550–584.

85 Dempsey, W. and McCullagh, P. (2018) Response to discussants of *Survival models and health sequences. Lifetime Data Analysis* **24** 605–611.

86 McCullagh, P. and Polson, N. (2018) Statistical sparsity. *Biometrika* **105** 797–814.

87 Kato, S. and McCullagh, P. (2020) Some properties of a Cauchy family on the sphere derived from the Möbius transformations. *Bernoulli* **26** 3224–3248.

88 McCullagh, P. and Tresoldi, M.F. (2021) A likelihood anaysis of quantile-matching transformations. *Biometrika* **108** 247–251.

89 Da Sila, P.H., Jamshidpey, A., McCullagh, P. and Tavaré, S. (2023) Fisher's measure of variability in repeated samples. *Bernoulli* **29** 1166–1194.

90 McCullagh, P. (2023) A tale of two variances. *Can. J. Statist.* (to appear)

91 Tresoldi, M., Xiang, D. and McCullagh (2024) Sparse-limit approximation for t-statistics. *EJS* **18**

92 Xiang, D., Ignatiadis, N., and McCullagh, P. (2026) Interpretation of lfdr under the zero assumption. *Statistical Science* (to appear).

Discussions and miscellaneous publications

1 *The Information in Contingency Tables* by D. Gokhale & S. Kullback, (book review) *J. Am. Statist. Assoc.* 1979, 724.

2 Review of *The GLIM System Release 3: Generalized Linear Interactive Modelling.* by R. Baker & J.A. Nelder. *J. Am. Statist. Assoc.* 1979, 934–935.

3 Concerning the Anturane Re-infarction Trial. (Letter to the New England Journal of Medicine), June 1, 1980, 1257.

4 Some comments on Professor Goldstein's article on log-linear models. *GLIM Newsletter* **2**, 2–6.

5 A comparison of transformations of chimpanzee learning data. *GLIM Newsletter* **2**, 14–18.

6 Review of *The Analysis of Categorical Data.* by R.L. Plackett. *Biometrics* 1983, 1127.

7 Approximating the hypergeometric likelihood. *GLIM Newsletter*, **7**, 36–38.

8 Discussion of a paper by D.M. Bates & D.G. Watts (1980) *J. R. Statist. Soc.* B **42**, p. 22.

9 Discussion of a paper by J. Bather (1981) *J. R. Statist. Soc.* B **43**, 286–287.

10 Discussion of a paper by Titterington et al. (1981) *J. R. Statist. Soc.* A **144**, 168–169.

11 Discussion of a paper by A.C. Atkinson (1982) *J. R. Statist. Soc.* B **44**, 29–30.

12 Discussion of a paper by J. Landwehr, D. Pregibon & A. Shoemaker (1984) (with A.C. Atkinson) *J. Am. Statist. Assoc.* **79**, 72.

13 Discussion of a paper by J. Anderson (1984) *J. R. Statist. Soc.* B **46**, 22–23.

14 Discussion of a paper by P. Diaconis and B. Efron (1985) (with D. Pregibon) *Ann. Statist.* **13**, 898–900.

15 On the conditional cumulants of Pearson's statistic. *GLIM Newsletter* **10**, (to appear).

16 *Analysis of Ordinal Categorical Data.* by A. Agresti. (book review). *Technometrics* 1985, **27**, 317–8.

17 Discussion of a paper by T. Hastie & R. Tibshirani. *Statistical Science* **1**, p.314.

18 Commentary on 'Testing in industrial experiments with ordered categorical data' by V.N. Nair. *Technometrics* **28**, p. 307.

19 On iterative generalized least squares: Discussion of a paper by G. del Pino. *Statistical Science* **4**, 404–5.

20 Discussion of a paper by van der Heijden et al. *Appl. Statist.* (1989) **38**, 284.

21 Discussion of papers by Letac, Seshadri and Bar-Lev. Proceedings of the 48th ISI conference (1991) **4**, 270–271.

22 Discussion of a paper by S. Zeger and K.-Y. Liang. *J. R. Statist. Soc.* B (1992) **54**, 33–34.

23 Discussion of a paper by C. Geyer and E. Thompson. *J. R. Statist. Soc.* B (1992) **54**, 691–2.

24 Discussion of a paper by V.P. Godambe. Proceedings of a Symposium in honour of V.P. Godambe, August 1991, University of Waterloo.

25 Discussion of a paper by Fitzmaurice, Laird and Rotnitzky. (with M. Drum.) *Statistical Science* 1993, **8**, 300–301.

26 Discussion of a paper by D. Donoho, I. Johnstone, G. Kerkyacharian, and D. Picard. *J. R. Statist. Soc.* B 1995 **57**, p. 358.

27 Discussion of a paper by N. Reid and a paper by K-Y. Liang and S. Zeger. *Statistical Science* 1995 **10**, 177–9.

28 Review of *Principles of Statistical Inference from a Neo-Fisherian Perspective* by L. Pace and A. Salvan. *Statistics in Medicine* 1998, **17**.

29 Discussion of a paper by J. Lindsey. *J. R. Statist. Soc.* D 1999 **48**, 34–35.

30 Comportability and power transformation: discussion of a paper by Chen, Lockhart and Stephens. *Can. J. Statist.* 2002 **30**, 212–213.

31 Discussion of a paper by Mizera and Muller. *J. Am. Statist. Assoc.* (2005) **99**, 980–981.

32 Introduction to a paper by Efron and Thisted. In Chapter 5 of *The Science of Bradley Efron.* Editors C.N. Morris and R. Tibshirani. Springer

33 Comments on a paper by M. Fygenson. Modeling and predicting extrapolated probabilities with outlooks. *Statistica Sinica* **1**8 46–48.

34 McCullagh, P. and Kolassa, J. (2009) Cumulants. (Wikipedia article)

35 Comments on a paper by P. Diggle, R. Menezes and T-L Su. Geostatistical inference under preferential sampling. *Appl. Statist.* **5**9, p. 220.

36 Obituary: John Ashworth Nelder 1924–2010. (Joint with Bob Gilchrist and Roger Payne) *J. R. Statist. Soc.* A **174** 499–504.

37 John Ashworth Nelder 1924–2010. DNB article. Oxford University Press, 2013.