
References

- Adimari, G. (1995), 'Empirical likelihood confidence intervals for the difference between means (Italian)', *Statistica* **55**, 87–94.
- Adimari, G. (1997), 'Empirical likelihood type confidence intervals under random censorship', *Annals of the Institute of Statistical Mathematics* **49**, 447–466.
- Akaike, H. (1973), Information theory and an extension of the maximum likelihood principle, in 'Second international symposium on information theory', *Academiai Kiado*, Budapest, pp. 267–281.
- Andersen, P. K., Borgan, O., Gill, R. D. & Keiding, N. (1993), *Statistical Models Based on Counting Processes*, Springer-Verlag, New York.
- Anderson, T. W. (1994), *The Statistical Analysis of Time Series (Classics Edition)*, Wiley-Interscience, New York.
- Anderson, T. W. & Darling, D. A. (1952), 'Asymptotic theory of certain goodness of fit criteria based on stochastic processes', *Annals of Mathematical Statistics* **23**, 193–212.
- Azzalini, A. & Hall, P. (2000), 'Reducing variability using bootstrap methods with qualitative constraints', *Biometrika* **87**(4), 895–906.
- Baggerly, K. A. (1998), 'Empirical likelihood as a goodness-of-fit measure', *Biometrika* **85**, 535–547.
- Baggerly, K. A. (1999), Studentized empirical likelihood and maximum entropy, Technical report, Rice University, Department of Statistics.
- Bahadur, R. R. & Savage, L. J. (1956), 'The nonexistence of certain statistical procedures in nonparametric problems', *Annals of Mathematical Statistics* **27**(4), 1115–1122.
- Bailey, K. R. (1984), 'Asymptotic equivalence between the Cox estimator and the general ML estimators of regression and survival parameters in the Cox model', *The Annals of Statistics* **12**, 730–736.
- Banerjee, M. & Wellner, J. A. (2000), Likelihood ratio tests for monotone functions, Technical report, University of Washington, Department of Statistics.
- Barndorff-Nielsen, O. E. (1983), 'On a formula for the distribution of the maximum likelihood estimator', *Biometrika* **70**, 343–365.
- Barndorff-Nielsen, O. E. (1986), 'Inference on full or partial parameters based on the standardized signed log likelihood ratio', *Biometrika* **73**, 307–322.
- Bates, D. M. & Watts, D. G. (1988), *Nonlinear Regression Analysis and Its Applications*, Wiley, New York.
- Baum, L. (1972), 'An inequality and associated maximization technique in statistical estimation of probabilistic functions of a Markov process', *Inequalities* **3**, 1–8.
- Beran, R. (1987), 'Prepivoting to reduce level error of confidence sets', *Biometrika* **74**, 457–468.
- Beran, R. (1988), 'Prepivoting test statistics: A bootstrap view of asymptotic refinements', *Journal of the American Statistical Association* **83**, 687–697.

- Berk, R. H. & Jones, D. H. (1978), 'Relatively optimal combinations of test statistics', *Scandinavian Journal of Statistics* **5**, 158–162.
- Berk, R. H. & Jones, D. H. (1979), 'Goodness-of-fit test statistics that dominate the Kolmogorov statistics', *Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete* **47**, 47–59.
- Bhattacharya, R. N. & Ghosh, J. K. (1978), 'On the validity of the formal Edgeworth expansion', *The Annals of Statistics* **6**, 434–451.
- Bickel, P. J. & Doksum, K. A. (2000), *Mathematical Statistics: Basic Ideas and Selected Topics, Vol I (Second Edition)*, Prentice-Hall, Englewood Cliffs, New Jersey.
- Binney, J. & Merrifield, M. (1998), *Galactic Astronomy*, Princeton University Press, Princeton, NJ.
- Bloch, D. A., Moses, L. E. & Michel, B. A. (1990), 'Statistical approaches to classification: methods for developing classification and other criteria rules', *Arthritis and Rheumatism* **33**(8), 1137–1144.
- Box, G. E. P. (1949), 'A general distribution theory for a class of likelihood criteria', *Biometrika* **36**(3/4), 317–346.
- Box, G. E. P., Jenkins, G. M. & Reinsel, G. C. (1994), *Time Series Analysis Forecasting and Control (Third Edition)*, Prentice-Hall, Englewood Cliffs, New Jersey.
- Bratley, P., Fox, B. J. & Schrage, L. E. (1987), *A Guide to Simulation (Second Edition)*, Springer-Verlag, New York.
- Breiman, L., Friedman, J. H., Olshen, R. A. & Stone, C. J. (1984), *Classification and Regression Trees*, Wadsworth, Belmont, CA.
- Brown, B. M. & Chen, S. X. (1998), 'Combined and least squares empirical likelihood', *Annals of the Institute of Statistical Mathematics* **50**, 697–714.
- Campbell, J. Y., Lo, A. W. & MacKinlay, A. C. (1996), *The Econometrics of Financial Markets*, Princeton University Press, Princeton, NJ.
- Carlstein, E. (1986), 'The use of subseries values for estimating the variance of a general statistic from a stationary sequence', *The Annals of Statistics* **14**, 1171–1179.
- Chatfield, C. (1989), *The Analysis of Time Series: An Introduction (Fourth Edition)*, Chapman & Hall, New York.
- Chen, J. & Qin, J. (1993), 'Empirical likelihood estimation for finite populations and the effective usage of auxiliary information', *Biometrika* **80**, 107–116.
- Chen, J. & Sitter, R. (1999), 'A pseudo-empirical likelihood approach to the effective usage of auxiliary information in complex surveys', *Statistica Sinica* **9**(2), 385–406.
- Chen, S. X. (1993), 'On the accuracy of empirical likelihood confidence regions for linear regression model', *Annals of the Institute of Statistical Mathematics* **45**, 621–637.
- Chen, S. X. (1994a), 'Comparing empirical likelihood and bootstrap hypothesis tests', *Journal of Multivariate Analysis* **51**, 277–293.
- Chen, S. X. (1994b), 'Empirical likelihood confidence intervals for linear regression coefficients', *Journal of Multivariate Analysis* **49**, 24–40.
- Chen, S. X. (1996), 'Empirical likelihood confidence intervals for nonparametric density estimation', *Biometrika* **83**, 329–341.
- Chen, S. X. (1997), 'Empirical likelihood-based kernel density estimation', *The Australian Journal of Statistics* **39**, 47–56.
- Chen, S. X. & Hall, P. (1993), 'Smoothed empirical likelihood confidence intervals for quantiles', *The Annals of Statistics* **21**, 1166–1181.
- Chen, S. X. & Qin, Y. S. (2000), 'Empirical likelihood confidence intervals for local linear

- smoothers', *Biometrika* **87**(4), 946–953.
- Chen, S. X. & Qin, Y. S. (2001), 'Confidence intervals based on a local linear smoother', *Scandinavian Journal of Statistics* **28**, To appear.
- Chuang, C.-S. & Chan, N. H. (2001), 'Empirical likelihood for autoregressive models, with applications to unstable time series', *Statistica Sinica* **11**, To appear.
- Chuang, C.-S. & Lai, T. L. (2000), 'Hybrid resampling methods for confidence intervals', *Statistica Sinica* **10**(1), 1–33.
- Cochran, W. G. (1977), *Sampling Techniques (Third Edition)*, John Wiley & Sons, New York.
- Coleman, T. F. (1984), *Large Sparse Numerical Optimization*, Springer-Verlag, Berlin.
- Corcoran, S. A. (1998), 'Bartlett adjustment of empirical discrepancy statistics', *Biometrika* **85**, 967–972.
- Corcoran, S. A., Davison, A. C. & Spady, R. H. (1995), *Reliable inference from empirical likelihoods*, Technical report, Oxford University, Department of Statistics.
- Cosslett, S. R. (1981), 'Maximum likelihood estimator for choice-based samples', *Econometrica* **49**, 1289–1316.
- Cover, T. M. & Thomas, J. A. (1991), *Elements of Information Theory*, Wiley, New York.
- Cox, D. R. (1967), Some sampling problems arising in technology, in N. L. Johnson & H. Smith Jr., eds, 'New developments in survey sampling', Wiley, New York, pp. 506–527.
- Cox, D. R. (1972), 'Regression models and life-tables (with discussion)', *Journal of the Royal Statistical Society, Series B, Methodological* **34**, 187–220.
- Cox, D. R. (1975), 'Partial likelihood', *Biometrika* **62**, 269–276.
- Cox, D. R. & Hinkley, D. V. (1974), *Theoretical Statistics*, Chapman & Hall, London.
- Cox, D. R. & Oakes, D. O. (1984), *Analysis of Survival Data*, Chapman & Hall, London.
- Cryer, J. D. (1986), *Time Series Analysis*, Duxbury Press, Boston.
- Dahlhaus, R. & Janas, D. (1996), 'A frequency domain bootstrap for ratio statistics in time series analysis', *The Annals of Statistics* **24**, 1934–1963.
- David, H. A. (1981), *Order Statistics (Second Edition)*, Wiley, New York.
- Davidian, M. & Carroll, R. J. (1987), 'Variance function estimation', *Journal of the American Statistical Association* **82**, 1079–1091.
- Davison, A. C. & Hinkley, D. V. (1997), *Bootstrap Methods and Their Application*, Cambridge University Press, Cambridge.
- Davison, A. C., Hinkley, D. V. & Worton, B. J. (1992), 'Bootstrap likelihoods', *Biometrika* **79**(1), 113–130.
- Davison, A. C., Hinkley, D. V. & Worton, B. J. (1995), 'Accurate and efficient construction of bootstrap likelihoods', *Statistics and Computing* **5**, 257–264.
- Dembo, A. & Zeitouni, O. (1998), *Large Deviations Techniques and Applications*, Springer-Verlag, New York.
- Dempster, A. P., Laird, N. M. & Rubin, D. B. (1977), 'Maximum likelihood from incomplete data via the EM algorithm', *Journal of the Royal Statistical Society, Series B, Methodological* **39**, 1–22.
- DiCiccio, T. J. (1984), 'On parameter transformations and interval estimation', *Biometrika* **71**, 477–485.
- DiCiccio, T. J., Hall, P. & Romano, J. (1991), 'Empirical likelihood is Bartlett-correctable', *The Annals of Statistics* **19**, 1053–1061.
- DiCiccio, T. J. & Monti, A. C. (2001), Approximations to the profile empirical likelihood

- function for a scalar parameter in the context of M-estimation, Technical report, Cornell University, Department of Social Statistics.
- DiCiccio, T. J. & Romano, J. P. (1989), 'On adjustments based on the signed root of the empirical likelihood ratio statistic', *Biometrika* **76**, 447–456.
- DiCiccio, T. J. & Romano, J. P. (1990), 'Nonparametric confidence-limits by resampling methods and least favorable families', *International Statistical Review* **58**(1), 59–76.
- Diggle, P. J., Liang, K.-Y. & Zeger, S. L. (1994), *Analysis of Longitudinal Data*, Clarendon Press, Oxford.
- Donoho, D. (1982), Breakdown properties of multivariate location estimators, Harvard University, Qualifying paper.
- Duffie, J. (1996), *Dynamic Asset Pricing Theory*, Princeton University Press, Princeton, NJ.
- Efron, B. (1967), The two sample problem with censored data, in 'Proceedings of the Fifth Berkeley Symposium on Mathematical Statistics and Probability', Vol. 5, pp. 831–853.
- Efron, B. (1981), 'Nonparametric standard errors and confidence intervals (with discussion)', *The Canadian Journal of Statistics* **9**, 139–172.
- Efron, B. (1986), 'Double exponential families and their use in generalized linear regression', *Journal of the American Statistical Association* **81**, 709–721.
- Efron, B. (1988), 'Bootstrap confidence intervals: Good or bad?', *Psychological Bulletin* **104**, 293–296.
- Efron, B. & Petrosian, V. (1994), 'Survival analysis of the gamma-ray burst data', *Journal of the American Statistical Association* **89**, 452–462.
- Efron, B. & Tibshirani, R. (1986), 'Bootstrap methods for standard errors, confidence intervals, and other measures of statistical accuracy', *Statistical Science* **1**, 54–75.
- Efron, B. & Tibshirani, R. J. (1993), *An Introduction to the Bootstrap*, Chapman & Hall, New York.
- Einmahl, J. H. J. & McKeague, I. W. (1999), 'Confidence tubes for multiple quantile plots via empirical likelihood', *Annals of Statistics* **27**(4), 1348–1367.
- El Barmi, H. (1996), 'Empirical likelihood ratio test for or against a set of inequality constraints', *Journal of Statistical Planning and Inference* **55**, 191–204.
- El Barmi, H. & Dykstra, R. L. (1994), 'Restricted multinomial maximum likelihood estimation based upon Fenchel duality', *Statistics & Probability Letters* **21**, 121–130.
- Embury, S. H., Elias, L., Heller, P. H., Hood, C. E., Greenberg, P. L. & Schrier, S. L. (1977), 'Remission maintenance therapy in acute myelogenous leukemia', *Western Journal of Medicine* **126**, 267–272.
- Fan, J. & Gijbels, I. (1996), *Local Polynomial Modelling and Its Applications*, Chapman & Hall, New York.
- Fan, J. & Gijbels, I. (1999), Sieve empirical likelihood and extensions of the generalized least squares, Technical Report 9911, Universite Catholique de Louvain, Institute of Statistics.
- Fan, J., Zhang, C. & Zhang, J. (2001), 'Generalized likelihood ratio statistics and Wilks phenomenon', *Annals of Statistics* **29**, To appear.
- Fan, J. & Zhang, J. (2000), Sieve empirical likelihood ratio tests for nonparametric functions, Manuscript.
- Fisher, N. I., Hall, P., Jing, B.-Y. & Wood, A. T. A. (1996), 'Improved pivotal methods for constructing confidence regions with directional data', *Journal of the American Statistical Association* **91**, 1062–1070.
- Fleming, T. R. & Harrington, D. P. (1991), *Counting Processes and Survival Analysis*, Wiley,

New York.

- Fletcher, R. (1987), *Practical Methods of Optimization (Second Edition)*, Wiley, New York.
- Fokianos, K., Peng, A. & Qin, J. (1999), 'A generalized-moments specification test for the logistic link', *Canadian Journal of Statistics* **27**(4), 735–750.
- Franke, J. & Härdle, W. (1992), 'On bootstrapping kernel spectral estimates', *The Annals of Statistics* **20**, 121–145.
- Friedman, J. H. & Stuetzle, W. (1981), 'Projection pursuit regression', *Journal of the American Statistical Association* **76**, 817–823.
- Fritts, H. C., Blasing, T. J., Hayden, B. P. & Kutzba, J. E. (1971), 'Multivariate techniques for specifying tree-growth and climate relationships and for reconstructing anomalies in paleoclimate', *Journal of Applied Meteorology* **10**(5), 845–864.
- Gill, P. E., Murray, W., Saunders, M. A. & Wright, M. H. (1999), User's guide for NPSOL 5.0: a FORTRAN package for nonlinear programming, Technical report, Stanford University, Systems Optimization Laboratory.
- Gill, P. E., Murray, W. & Wright, M. H. (1981), *Practical Optimization*, Academic Press, London.
- Gill, R. D., Vardi, Y. & Wellner, J. A. (1988), 'Large sample theory of empirical distributions in biased sampling models', *The Annals of Statistics* **16**, 1069–1112.
- Godambe, V. P. (1960), 'An optimum property of regular maximum likelihood estimation (ack: V32 p1343)', *The Annals of Mathematical Statistics* **31**, 1208–1212.
- Godambe, V. P. & Thompson, M. E. (1974), 'Estimating equations in the presence of a nuisance parameter', *The Annals of Statistics* **2**, 568–571.
- Greenwood, M. (1926), The errors of sampling of the survivorship tables, in 'Reports on public health and statistical subjects', number 33, HMSO, London.
- Grenander, U. (1956), 'On the theory of mortality measurement, Part II', *Skand. Aktuar.* **39**, 125–153.
- Grenander, U. (1981), *Abstract Inference*, Wiley, New York.
- Groeneboom, P. & Wellner, J. A. (1992), *Information Bounds and Nonparametric Maximum Likelihood Estimation*, Birkhäuser, Basel.
- Haberman, S. J. (1984), 'Adjustment by minimum discriminant information', *The Annals of Statistics* **12**, 971–988.
- Hahn, G. J. & Meeker, W. Q. (1991), *Statistical Intervals. A Guide for Practitioners*, Wiley-Interscience, New York.
- Hall, P. (1986), 'On the bootstrap and confidence intervals', *The Annals of Statistics* **14**, 1431–1452.
- Hall, P. (1987), 'On the bootstrap and likelihood-based confidence regions', *Biometrika* **74**, 481–493.
- Hall, P. (1990), 'Pseudo-likelihood theory for empirical likelihood', *The Annals of Statistics* **18**, 121–140.
- Hall, P. (1992), *The Bootstrap and Edgeworth Expansion*, Springer-Verlag, New York.
- Hall, P. & La Scala, B. (1990), 'Methodology and algorithms of empirical likelihood', *International Statistical Review* **58**, 109–127.
- Hall, P. & LePage, R. (1996), 'On bootstrap estimation of the distribution of the studentized mean', *Annals of the Institute of Statistical Mathematics* **48**(3), 403–421.
- Hall, P. & Martin, M. A. (1988), 'On bootstrap resampling and iteration', *Biometrika* **75**, 661–671.
- Hall, P. & Owen, A. B. (1993), 'Empirical likelihood confidence bands in density estima-

- tion', *Journal of Computational and Graphical Statistics* **2**, 273–289.
- Hall, P. & Presnell, B. (1999a), 'Biased bootstrap methods for reducing the effects of contamination', *Journal of the Royal Statistical Society Series B-Statistical Methodology* **61**(3), 661–680.
- Hall, P. & Presnell, B. (1999b), 'Intentionally biased bootstrap methods', *Journal of the Royal Statistical Society, Series B, Methodological* **61**, 143–158.
- Hansen, L. P. (1982), 'Large sample properties of generalized method of moments estimators', *Econometrica* **50**, 1029–1054.
- Hansen, L. P., Heaton, J. & Yaron, A. (1996), 'Finite-sample properties of some alternative GMM estimators (pkg: P261-373)', *Journal of Business and Economic Statistics* **14**, 262–280.
- Härdle, W. (1990), *Applied Nonparametric Regression*, Cambridge University Press, Cambridge.
- Härdle, W., Hall, P. & Marron, J. S. (1988), 'How far are automatically chosen regression smoothing parameters from their optimum? (c/r: P96-101)', *Journal of the American Statistical Association* **83**, 86–95.
- Härdle, W. & Marron, J. S. (1985), 'Optimal bandwidth selection in nonparametric regression function estimation', *The Annals of Statistics* **13**, 1465–1481.
- Hartley, H. O. & Rao, J. N. K. (1968), 'A new estimation theory for sample surveys', *Biometrika* **55**, 547–557.
- Hasminskii, R. Z. & Ibragimov, I. A. (1993), On asymptotic efficiency in the presence of an infinite dimensional nuisance parameter, in 'Lecture notes in mathematics, number 1021', Springer, New York, pp. 195–229.
- Hastie, T. J. & Tibshirani, R. J. (1990), *Generalized Additive Models*, Chapman & Hall, London.
- Heitjan, D. F. & Rubin, D. B. (1991), 'Ignorability and coarse data', *The Annals of Statistics* **19**, 2244–2253.
- Hesterberg, T. (1995a), 'Tail-specific linear approximations for efficient bootstrap simulations', *Journal of Computational and Graphical Statistics* **4**, 113–133.
- Hesterberg, T. (1995b), 'Weighted average importance sampling and defensive mixture distributions', *Technometrics* **37**(2), 185–194.
- Hesterberg, T. (1999), Bootstrap tilting confidence intervals, Technical Report 84, MathSoft Inc., Seattle, WA.
- Hipel, K. W. & McLeod, A. I. (1994), *Time Series Modelling of Water Resources and Environmental Systems*, Elsevier/North-Holland, Amsterdam.
- Hoeffding, W. (1965), 'Asymptotically optimal tests for multinomial distributions', *The Annals of Mathematical Statistics* **36**, 369–400.
- Hoff, P. D. (2000), 'Constrained nonparametric maximum likelihood via mixtures', *The Journal of Computational and Graphical Statistics*.
- Hoffleit, D. & Warren, W. (1991), *The Bright Star Catalogue (Fifth Edition)*, Yale University Observatory, New Haven, CT.
- Hollander, M., McKeague, I. W. & Yang, J. (1997), 'Likelihood ratio-based confidence bands for survival functions', *Journal of the American Statistical Association* **92**(437), 215–226.
- Huber, P. J. (1967), The behavior of maximum likelihood estimates under nonstandard conditions, in 'Proceedings of the Fifth Berkeley Symposium on Mathematical Statistics and Probability', Vol. 1, pp. 221–233.

- Huber, P. J. (1981), *Robust Statistics*, Wiley, New York.
- Hull, J. C. (2000), *Options, Futures, and Other Derivatives*, Prentice-Hall, Englewood Cliffs, New Jersey.
- Iles, T. C. (1993), Multiple regression, in J. C. Fry, ed., 'Biological Data Analysis. A Practical Approach', Oxford University Press, Oxford, pp. 127–172.
- Imbens, G. W. & Lancaster, T. (1994), 'Combining micro and macro data in microeconomic models', *The Review of Economic Studies* **61**(4), 655–680.
- Imbens, G. W., Spady, R. H. & Johnson, P. (1998), 'Information theoretic approaches to inference in moment condition models', *Econometrica* **66**(2), 333–357.
- Jackson, R., Yee, R. L., Priest, P., Shaw, L. & Beaglehole, R. (1995), 'Trends in coronary heart-disease risk-factors in Auckland 1982–94', *New Zealand Medical Journal* **108**(1011), 451–454.
- Jaeckel, L. (1972), The infinitesimal jackknife, Technical Report Memorandum MM72-1215-11, Bell Labs, Murray Hill, NJ.
- James, G. (1951), 'The comparison of several groups of observations when the ratios of the population variances are unknown', *Biometrika* **38**, 324–329.
- Janas, D. (1994), 'Edgeworth expansions for spectral mean estimates with applications to Whittle estimates', *Annals of the Institute of Statistical Mathematics* **46**, 667–682.
- Jing, B.-Y. (1995a), 'Some resampling procedures under symmetry', *The Australian Journal of Statistics* **37**, 337–344.
- Jing, B.-Y. (1995b), 'Two-sample empirical likelihood method', *Statistics & Probability Letters* **24**, 315–319.
- Jing, B.-Y., Feuerverger, A. & Robinson, J. (1994), 'On the bootstrap saddlepoint approximations', *Biometrika* **81**, 211–215.
- Jing, B.-Y. & Wood, A. T. A. (1996), 'Exponential empirical likelihood is not Bartlett correctable', *The Annals of Statistics* **24**, 365–369.
- Johansen, S. (1978), 'The product limit estimator as maximum likelihood estimator', *Scandinavian Journal of Statistics* **5**, 195–199.
- Jones, M. C. (1991), 'Kernel density estimation for length biased data', *Biometrika* **78**, 511–519.
- Jorgensen, B. (1987), 'Exponential dispersion models', *Journal of the Royal Statistical Society, Series B, Methodological* **49**(2), 127–162.
- Kalbfleisch, J. D. & Prentice, R. L. (1980), *The Statistical Analysis of Failure Time Data*, Wiley, New York.
- Kaplan, E. L. & Meier, P. (1958), 'Nonparametric estimation from incomplete observations', *Journal of the American Statistical Association* **53**, 457–481.
- Kauermann, G. & Carroll, R. (2000), The sandwich variance estimator: efficiency properties and coverage probability of confidence intervals, Technical Report 189, University of Munich, Department of Statistics.
- Keiding, N. & Gill, R. D. (1990), 'Random truncation models and Markov processes', *The Annals of Statistics* **18**, 582–602.
- Kiefer, J. & Wolfowitz, J. (1956), 'Consistency of the maximum likelihood estimator in the presence of infinitely many incidental parameters', *Annals of Mathematical Statistics* **27**, 887–906.
- Kitamura, Y. (1997), 'Empirical likelihood methods with weakly dependent processes', *The Annals of Statistics* **25**, 2084–2102.
- Kitamura, Y. (1999), Empirical likelihood and the bootstrap for time series regressions,

- Technical report, University of Wisconsin, Department of Economics.
- Kitamura, Y. (2001), 'Asymptotic optimality of empirical likelihood for testing moment restrictions', *Econometrica* **69**, To appear.
- Kitamura, Y., Tripathi, G. & Ahn, H. (2000), Empirical likelihood-based inference in conditional moment restriction models, Technical report, University of Wisconsin, Department of Economics.
- Kohavi, R., Brodley, C. E., Frasca, B., Mason, L. & Zheng, Z. (2001), 'Kdd-cup 2000 organizers' report: Peeling the onion', *SIGKDD Explorations* **2**(2), To appear.
- Kolaczyk, E. D. (1994), 'Empirical likelihood for generalized linear models', *Statistica Sinica* **4**, 199–218.
- Kolaczyk, E. D. (1995), An information criterion for empirical likelihood with general estimating equations, Technical Report 417, University of Chicago, Department of Statistics.
- Künsch, H. R. (1989), 'The jackknife and the bootstrap for general stationary observations', *The Annals of Statistics* **17**, 1217–1241.
- La Rocca, M. (1995a), Empirical likelihood and linear combinations of functions of order statistics, Technical Report Working paper 3.46, Università Degli Studi di Salerno, Dipartimento di Scienze Economiche.
- La Rocca, M. (1995b), L'uso del bootstrap nella verosimiglianza empirica, Technical Report Working paper 3.47, Università Degli Studi di Salerno, Dipartimento di Scienze Economiche.
- La Rocca, M. (1996), L'uso della verosimiglianza empirica per il confronto di due parametri di posizione, Technical Report Working paper 3.49, Università Degli Studi di Salerno, Dipartimento di Scienze Economiche.
- La Rocca, M. (1998), Bootstrapping empirical likelihood for linear regression models, in 'NTTS'98 International Seminar on New Techniques & Technologies for Statistics', pp. 277–282.
- Lazar, N. A. (2000), Bayesian empirical likelihood, Technical report, Carnegie Mellon University, Department of Statistics.
- Lazar, N. A. & Mykland, P. A. (1999), 'Empirical likelihood in the presence of nuisance parameters', *Biometrika* **86**(1), 203–211.
- Lazar, N. & Mykland, P. A. (1998), 'An evaluation of the power and conditionality properties of empirical likelihood', *Biometrika* **85**, 523–534.
- LeBlanc, M. & Crowley, J. (1995), 'Semiparametric regression functionals', *Journal of the American Statistical Association* **90**(429), 95–105.
- Lee, S. M. S. & Young, G. A. (1999), 'Nonparametric likelihood ratio confidence intervals', *Biometrika* **86**(1), 107–118.
- Lesperance, M. L. & Kalbfleisch, J. D. (1992), 'An algorithm for computing the nonparametric MLE of a mixing distribution', *Journal of the American Statistical Association* **87**, 120–126.
- Li, G. (1995a), 'Nonparametric likelihood ratio estimation of probabilities for truncated data', *Journal of the American Statistical Association* **90**, 997–1003.
- Li, G. (1995b), 'On nonparametric likelihood ratio estimation of survival probabilities for censored-data', *Statistics & Probability Letters* **25**(2), 95–104.
- Li, G., Hollander, M., McKeague, I. W. & Yang, J. (1996), 'Nonparametric likelihood ratio confidence bands for quantile functions from incomplete survival data', *Annals of Statistics* **24**(2), 628–640.

- Li, G., Qin, J. & Tiwari, R. C. (1997), 'Semiparametric likelihood ratio-based inferences for truncated data', *Journal of the American Statistical Association* **92**, 236–245.
- Liang, K.-Y. & Zeger, S. L. (1986), 'Longitudinal data analysis using generalized linear models', *Biometrika* **73**, 13–22.
- Lindsay, B. G. (1980), 'Nuisance parameters, mixture-models, and the efficiency of partial likelihood estimators', *Philosophical Transactions of the Royal Society of London, Series A—Mathematical, Physical and Engineering Sciences* **296**(1427), 639–662.
- Lindsay, B. G. (1995), *Mixture Models: Theory, Geometry and Applications*, Institute of Mathematical Statistics.
- Liu, R. Y. & Singh, K. (1992), Moving blocks jackknife and bootstrap capture weak dependence, in 'Exploring the Limits of Bootstrap', pp. 225–248.
- Loader, C. (1999), *Local Regression and Likelihood*, Springer-Verlag.
- Loh, W. L. (1996), 'On Latin hypercube sampling', *Annals of Statistics* **24**(5), 2058–2080.
- Loh, W.-Y. (1991), 'Bootstrap calibration for confidence interval construction and selection', *Statistica Sinica* **1**, 477–491.
- Lohr, S. (1998), *Sampling: Design and Analysis*, Brooks/Cole Publishing Company, Pacific Grove, CA.
- Lynden-Bell, D. (1971), 'A method for allowing known observational selection in small samples applied to 3CR quasars', *Monthly Notices of the Royal Astronomical Society* **155**, 95–118.
- Mann, H. B. & Wald, A. (1943), 'On stochastic limit and order relationships', *Annals of Mathematical Statistics* **14**(3), 217–226.
- McCullagh, P. (1984), 'Local sufficiency', *Biometrika* **71**, 233–244.
- McCullagh, P. & Nelder, J. A. (1983), *Generalized Linear Models*, Chapman & Hall.
- Miller, R. G., Gong, G. & Munoz, A. (1981), *Survival Analysis*, Wiley, New York.
- Mittelhammer, R. C., Judge, G. G. & Miller, D. J. (2000), *Econometric Foundations*, Cambridge University Press, Cambridge.
- Moeschberger, M. L. & Klein, J. P. (1985), 'A comparison of several methods of estimating the survival function when there is extreme right censoring', *Biometrics* **41**, 253–259.
- Monahan, J. F. & Boos, D. D. (1992), 'Proper likelihoods for Bayesian analysis', *Biometrika* **79**, 271–278.
- Monti, A. C. (1997), 'Empirical likelihood confidence regions in time series models', *Biometrika* **84**, 395–405.
- Monti, A. C. & Ronchetti, E. (1993), 'On the relationship between empirical likelihood and empirical saddlepoint approximation for multivariate M-estimators', *Biometrika* **80**, 329–338.
- Mukerjee, R. & Reid, N. (1999), 'On confidence intervals associated with the usual and adjusted likelihoods', *Journal of the Royal Statistical Society, Series B, Methodological* **61**(4), 945–953.
- Murphy, S. A. (1995), 'Likelihood ratio-based confidence-intervals in survival analysis', *Journal of the American Statistical Association* **90**(432), 1399–1405.
- Murphy, S. A. & van der Vaart, A. W. (1997), 'Semiparametric likelihood ratio inference', *The Annals of Statistics* **25**, 1471–1509.
- Murphy, S. A. & van der Vaart, A. W. (2000), 'On profile likelihood', *Journal of the American Statistical Association* **95**(450), 449–465.
- Muttalak, H. A. & McDonald, L. L. (1990), 'Ranked set sampling with size-biased probability of selection', *Biometrics* **46**, 435–445.

- Mykland, P. A. (1995), 'Dual likelihood', *Annals of Statistics* **23**(2), 396–421.
- Mykland, P. A. (1999), 'Bartlett identities and large deviations in likelihood theory', *Annals of Statistics* **27**(3), 1105–1117.
- Nadaraya, E. A. (1965), 'On non-parametric estimates of density functions and regression curves', *Theory of Probability and its Applications (Transl of Teorija Verojatnostei i ee Primenenija)* **10**, 186–190.
- Naik-Nimbalkar, U. V. & Rajarshi, M. B. (1997), 'Empirical likelihood ratio test for equality of k medians in censored data', *Statistics & Probability Letters* **34**, 267–273.
- Nelder, J. A. & Pregibon, D. (1987), 'An extended quasi-likelihood function', *Biometrika* **74**, 221–232.
- Nelder, J. A. & Wedderburn, R. W. M. (1972), 'Generalized linear models', *Journal of the Royal Statistical Society, Series A, General* **135**, 370–384.
- Newton, M. A. & Raftery, A. E. (1994), 'Approximate Bayesian inference with the weighted likelihood bootstrap (disc: P26-48)', *Journal of the Royal Statistical Society, Series B, Methodological* **56**, 3–26.
- Neyman, J. & Scott, E. (1948), 'Consistent estimates based on partially consistent observations', *Econometrica* **16**, 1–32.
- Noé, M. (1972), 'The calculations of distributions of two-sided Kolmogorov-Smirnov type statistics', *The Annals of Mathematical Statistics* **43**, 58–64.
- Owen, A. B. (1985), Nonparametric likelihood ratio intervals, Technical Report LCS-6, Stanford University, Department of Statistics.
- Owen, A. B. (1987), Nonparametric conditional estimation, PhD thesis, Stanford University.
- Owen, A. B. (1988a), Computing empirical likelihoods, in 'Computer Science and Statistics: Proceedings of the 20th Symposium on the Interface', pp. 442–447.
- Owen, A. B. (1988b), 'Empirical likelihood ratio confidence intervals for a single functional', *Biometrika* **75**, 237–249.
- Owen, A. B. (1990a), Empirical likelihood and small samples, in 'Computing Science and Statistics: Proceedings of the Symposium on the Interface', Springer-Verlag, Berlin, pp. 79–88.
- Owen, A. B. (1990b), 'Empirical likelihood ratio confidence regions', *The Annals of Statistics* **18**, 90–120.
- Owen, A. B. (1991), 'Empirical likelihood for linear models', *The Annals of Statistics* **19**, 1725–1747.
- Owen, A. B. (1992), Empirical likelihood and generalized projection pursuit, Technical Report 393, Stanford University, Department of Statistics.
- Owen, A. B. (1995), 'Nonparametric likelihood confidence bands for a distribution function', *Journal of the American Statistical Association* **90**, 516–521.
- Pan, X.-R. & Zhou, M. (2000), Empirical likelihood ratio in terms of cumulative hazard function for censored data, Technical report, University of Kentucky, Department of Statistics.
- Pawitan, Y. (2000), 'Computing empirical likelihood from the bootstrap', *Statistics & Probability Letters* **47**(4), 337–345.
- Pearl, R. & Fuller, W. (1905), 'Variation and correlation in the earthworm', *Biometrika* **4**, 213–229.
- Peto, R. (1973), 'Experimental survival curves for interval-censored data', *Applied Statistics* **22**, 86–91.
- Politis, D. N. & Romano, J. P. (1992), 'A general resampling scheme for triangular arrays of

- α -mixing random variables with application to the problem of spectral density estimation', *The Annals of Statistics* **20**, 1985–2007.
- Politis, D. N. & Romano, J. P. (1994), 'The stationary bootstrap', *Journal of the American Statistical Association* **89**, 1303–1313.
- Politis, D. N., Romano, J. P. & Wolf, M. (1999), *Subsampling*, Springer.
- Press, W., Flannery, B., Teukolsky, S. & Vetterling, W. (1993), *Numerical Recipes in C: The Art of Scientific Computing*, Cambridge University Press.
- Qin, J. (1992), Empirical likelihood and semiparametric models, PhD thesis, University of Waterloo.
- Qin, J. (1993), 'Empirical likelihood in biased sample problems', *The Annals of Statistics* **21**, 1182–1196.
- Qin, J. (1994), 'Semi-empirical likelihood ratio confidence intervals for the difference of two sample means', *Annals of the Institute of Statistical Mathematics* **46**, 117–126.
- Qin, J. (1998), 'Semiparametric likelihood based method for goodness of fit tests and estimation in upgraded mixture models', *Scandinavian Journal of Statistics* **25**(4), 681–691.
- Qin, J. (1999), 'Empirical likelihood ratio based confidence intervals for mixture proportions', *Annals of Statistics* **27**(4), 1368–1384.
- Qin, J. (2000), 'Combining parametric and empirical likelihoods', *Biometrika* **87**, 484–490.
- Qin, J. & Lawless, J. (1994), 'Empirical likelihood and general estimating equations', *The Annals of Statistics* **22**, 300–325.
- Qin, J. & Wong, A. (1996), 'Empirical likelihood in a semi-parametric model', *Scandinavian Journal of Statistics* **23**(2), 209–219.
- Qin, J. & Zhang, B. (1997), 'A goodness-of-fit test for logistic regression models based on case-control data', *Biometrika* **84**, 609–618.
- Qin, Y. & Zhao, L. (1997), 'Empirical likelihood ratio statistics for the difference of two population quantiles (Chinese)', *Chinese Annals of Mathematics A (Chinese)* **18**, 687–694.
- Qu, Z. (1995), Maximum empirical likelihood for symmetric linear models, Technical report, Memorial University of Newfoundland, Department of Mathematics and Statistics.
- Quenouille, M. H. (1949), 'Approximate tests of correlation in time-series', *Journal of the Royal Statistical Society, Series B, Methodological* **11**, 68–84.
- Ramos, E. (1989), Improved estimators for time series, in 'ASA Proceedings of the Statistical Computing Section', pp. 233–237.
- Rawlings, J. O. (1988), *Applied Regression Analysis: A Research Tool*, Wadsworth.
- Read, T. R. C. & Cressie, N. A. C. (1988), *Goodness-of-fit Statistics for Discrete Multivariate Data*, Springer-Verlag, New York.
- Reid, N. (1988), 'Saddlepoint methods and statistical inference', *Statistical Science* **3**, 213–227.
- Ren, J.-J. (2001), 'Weighted empirical likelihood ratio confidence intervals for the mean with censored data', *Annals of the Institute of Statistical Mathematics* **53**, To appear.
- Rényi, A. (1961), On measures of entropy and information, in 'Proceedings of the Fourth Berkeley Symposium on Mathematical Statistics and Probability', Vol. 1, pp. 547–561.
- Rice, J. A. (1988), *Mathematical Statistics and Data Analysis*, Wadsworth.
- Romano, J. P. (1988), 'A bootstrap revival of some nonparametric distance tests', *Journal of the American Statistical Association* **83**, 698–708.
- Rubin, D. B. (1981), 'The Bayesian bootstrap', *The Annals of Statistics* **9**, 130–134.
- Schenker, N. (1985), 'Qualms about bootstrap confidence intervals', *Journal of the American*

can Statistical Association **80**, 360–361.

- Seber, G. A. F. & Wild, C. J. (1989), *Nonlinear Regression*, Wiley, New York.
- Shao, J. & Tu, D. (1995), *The Jackknife and Bootstrap*, Springer-Verlag.
- Sheehy, A. (1987), Kullback-Leibler estimation of probability measures with an application to clustering, PhD thesis, University of Washington.
- Shen, X. T., Shi, J. & Wong, W. H. (1999), 'Random sieve likelihood and general regression models', *Journal of the American Statistical Association* **94**(447), 835–846.
- Shorack, G. R. & Wellner, J. A. (1986), *Empirical Processes With Applications to Statistics*, Wiley, New York.
- Sitter, R. R. & Wu, C. (2000), Efficient estimation of quadratic finite population functions in the presence of auxiliary information, Technical Report 2000-09, University of Waterloo, Department of Statistics and Actuarial Science.
- Stahel, W. A. (1981), Robuste Schätzungen: Infinitesimals Optimalität und Schätzungen von Kovarianzmatrizen, PhD thesis, Technical University, Graz, Austria.
- Stapleton, J. H. (1995), *Linear Statistical Models*, Wiley, New York.
- Stein, C. (1956), Efficient nonparametric testing and estimation, in 'Proceedings of the Third Berkeley Symposium on Mathematical Statistics and Probability', Vol. 1, pp. 187–195.
- Stern, H. (1991), 'On the probability of winning a football game', *The American Statistician* **45**, 179–183.
- Stigler, S. M. (1977), 'Do robust estimators work with real data? (c/r: P1078-1098)', *The Annals of Statistics* **5**, 1055–1077.
- Stone, C. J. (1977), 'Consistent nonparametric regression (c/r: P620-645)', *The Annals of Statistics* **5**, 595–620.
- Switzer, P. (1976), 'Geometrical measures of the smoothness of random functions', *Journal of Applied Probability* **13**, 86–95.
- Therneau, T. M. & Grambsch, P. M. (2000), *Modeling Survival Data*, Springer-Verlag, New York.
- Thomas, D. R. & Grunkemeier, G. L. (1975), 'Confidence interval estimation of survival probabilities for censored data', *Journal of the American Statistical Association* **70**, 865–871.
- Tsai, W.-Y., Leurgans, S. & Crowley, J. (1986), 'Nonparametric estimation of a bivariate survival function in the presence of censoring', *The Annals of Statistics* **14**, 1351–1365.
- Tsao, M. (2001), 'A small sample calibration method for the empirical likelihood ratio', *Statistics & Probability Letters*.
- Tsao, M. & Zhou, J. (2001), 'On the robustness of empirical likelihood confidence intervals for location', *The Canadian Journal of Statistics* **28**, To appear.
- Tsiatis, A. A. (1981), 'A large sample study of Cox's regression model', *The Annals of Statistics* **9**, 93–108.
- Tukey, J. W. (1958), 'Bias and confidence in not quite large samples (abstract)', *Annals of Mathematical Statistics* **29**, 614.
- Turnbull, B. W. (1976), 'The empirical distribution function with arbitrarily grouped, censored and truncated data', *Journal of the Royal Statistical Society, Series B, Methodological* **38**, 290–295.
- Tusnády, G. (1977), 'On asymptotically optimal tests', *The Annals of Statistics* **5**, 385–393.
- van der Laan, M. J. (1995), *Efficient and Inefficient Estimation in Semiparametric Models*, Centrum voor Wiskunde en Informatica, Math. Centrum.
- van der Laan, M. J. (1996), 'Efficient estimation in the bivariate censoring model and repair-

- ing NPMLE', *The Annals of Statistics* **24**, 596–627.
- van der Vaart, A. W. & Wellner, J. A. (1992), 'Existence and consistency of maximum likelihood in upgrade mixture models', *Journal of Multivariate Analysis* **43**, 133–146.
- Vardi, Y. (1982), 'Nonparametric estimation in the presence of length bias', *The Annals of Statistics* **10**, 616–620.
- Vardi, Y. (1985), 'Empirical distributions in selection bias models', *The Annals of Statistics* **13**, 178–203.
- Vardi, Y. & Zhang, C.-H. (1992), 'Large sample study of empirical distributions in a random-multiplicative censoring model', *The Annals of Statistics* **20**, 1022–1039.
- Wang, M.-C. (1987), 'Product limit estimates: A generalized maximum likelihood study', *Communications in Statistics, Part A – Theory and Methods* **16**, 3117–3132.
- Watson, G. S. (1964), 'Smooth regression analysis', *Sankhya, Series A* **26**, 59–372.
- Wedderburn, R. W. M. (1974), 'Quasi-likelihood functions, generalized linear models, and the Gauss-Newton method', *Biometrika* **61**, 439–447.
- White, H. (1980), 'A heteroskedasticity-consistent covariance matrix estimator and a direct test for heteroskedasticity', *Econometrica* **48**, 817–838.
- Whittle, P. (1953), 'Estimation and information in stationary time series', *Arkiv für Matematik* **2**, 423–434.
- Wood, A. T. A., Do, K.-A. & Broom, B. M. (1996), 'Sequential linearization of empirical likelihood constraints with application to U-statistics', *Journal of Computational and Graphical Statistics* **5**, 365–385.
- Woodroffe, M. (1985), 'Estimating a distribution function with truncated data', *The Annals of Statistics* **13**, 163–177.
- Wu, C. & Sitter, R. R. (2001), 'A model-calibration approach to using complete auxiliary information from survey data', *Journal of the American Statistical Association* **96**, To appear.
- Yevjevich, V. M. (1963), Fluctuation of wet and dry years, 1, research data assembly and mathematical models, Technical report, Colorado State University, Hydrology Paper No. 1.
- Yule, G. U. (1927), 'On a method of investigating periodicities in disturbed series, with special reference to Wolfer's sunspot numbers', *Philosophical Transactions of the Royal Society* **A226**, 267–298.
- Zeger, S. L. & Liang, K.-Y. (1986), 'Longitudinal data analysis for discrete and continuous outcomes', *Biometrics* **42**, 121–130.
- Zhang, B. (1996a), 'Confidence intervals for a distribution function in the presence of auxiliary information', *Computational Statistics and Data Analysis* **21**, 327–342.
- Zhang, B. (1996b), 'On the accuracy of empirical likelihood confidence intervals for M-functionals', *Journal of Nonparametric Statistics* **6**, 311–321.
- Zhang, B. (1997), 'Quantile processes in the presence of auxiliary information', *Annals of the Institute of Statistical Mathematics* **49**(1), 35–55.
- Zhang, B. (1998), 'A note on kernel density estimation with auxiliary information', *Communications in Statistics, Part A – Theory and Methods* **27**, 1–11.
- Zhang, B. (1999), 'Bootstrapping with auxiliary information', *Canadian Journal of Statistics* **27**(2), 237–249.
- Zhong, B., Chen, J. & Rao, J. N. K. (2001), 'Empirical likelihood inference in the presence of measurement error', *The Canadian Journal of Statistics* **29**(1), To appear.
- Zhong, B. & Rao, J. N. K. (2000), 'Empirical likelihood inference under stratified random

sampling using auxiliary population information', *Biometrika* **87**(4), 929–938.
Zhou, M. (2000), Empirical envelope mle for a location problem, Technical Report 381,
University of Kentucky, Department of Statistics.