Curriculum Vitae

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Education

B.A., Physics, first class honours, University of Cambridge, 1966
M.A., Physics, University of Cambridge, 1970
Ph.D., Physics, University of Cambridge, 1970
Ph.D., Economics, University of California, Berkeley, 1979

Employment

Ohio State University: Professor, Department of Economics, 1987–present
University of Florida: Associate Professor, Department of Economics, 1981–1987
Northwestern University: Assistant Professor, Department of Economics, 1978–1981
University of California, Berkeley: Research Assistant, Urban Travel Demand Forecasting Project, Institute of Transportation Studies, 1976–1977
University of California, Berkeley: Miller Research Fellow, Physics Department and Lawrence Berkeley Laboratory, 1971–1973
University of Cambridge: Research Fellow, Christ's College and Cavendish Laboratory, 1969–1971 and 1973–1975

Scholarly honors and awards (graduate and professional)

Graduate Scholarship, Science Research Council (England), 1966–1968
Proctor Visiting Scholarship, Princeton University, 1968–1969
Fulbright Travel Award, 1968–1969
Moore and Tasheira Fellowships, University of California, Berkeley, 1977–1978
Fellow, Econometric Society, 1994

Publications

"Efficient semiparametric estimation for endogenously stratified regression via smoothed likelihood," *Journal of Econometrics* 177, 116–129 (2013).

"Efficient estimation of semiparametric models by smoothed maximum likelihood," *International Economic Review* 48, 1245–1272 (2007).

"Efficient semiparametric estimation of censored and truncated regressions via a smoothed self-consistency qquation," *Econometrica* 72, 1277–1293 (2004).

"Environmental quality preference and benefit estimation in multinomial probit models: a simulation approach," with H. Z. Chen, *American Journal of Agricultural Economics* 80, pp. 512–520 (1998).

"Nonparametric maximum likelihood methods," in *Handbook of Statistics*, Volume 15, Robust Inference, ed. G. S. Maddala and C. R. Rao, pp. 385–404, North-Holland (1997).

"Estimation from endogenously stratified samples," in *Handbook of Statistics*, Volume 11, Econometrics, ed. C. R. Rao, pp. 1–44, North-Holland (1993).

"Semiparametric estimation of a regression model with sample selectivity," in *Nonparametric and Semiparametric Methods in Econometrics and Statistics*, ed. W. A. Barnett, J. Powell, and G. Tauchen, pp. 175–197, Cambridge University Press (1991).

"Efficiency bounds for distribution-free estimators of the binary choice and the censored regression models," *Econometrica* 55, pp. 559–585 (1987).

"Semiparametric estimation" in *The New Palgrave: A Dictionary of Economics*, ed. J. Eatwell et al., The Macmillan Press Ltd., London (1988).

"Serial correlation in latent discrete variable models," with L. F. Lee, *Journal of Econometrics* 27, pp. 79–97 (1985).

"Distribution-free maximum likelihood estimator of the binary choice model," *Econometrica* 51, pp. 765–782 (1983).

"Maximum likelihood estimator for choice-based samples," *Econometrica* 49, pp. 1289–1316 (1981).

"Efficient estimation of discrete choice models" in *Structural Analysis of Discrete Data with Econometric Applications*, ed. C. Manski and D. McFadden, pp. 51–111, MIT Press (1981).

Working papers

"Efficient Semiparametric Estimation of Bivariate Models with an Unknown Copula" (under revision)

"Do Banks Use Private Information from Consumer Accounts? Evidence of Relationship Lending in Credit Card Interest Rate Heterogeneity" (with Sougata Kerr and Lucia Dunn)

"A Note on Estimation from Choice-Based Samples with Misclassification in the Response Variable" (with Steven B. Caudill)

"Maximum Likelihood Estimation Subject to Aggregate Constraints"

"Time Allocation and Selling Mechanisms in Outcry Auctions" (with T. Chipty and L. Dunn)

"Probabilistic Choice over a Continuous Range: An Econometric Model Based on Extreme-Value Stochastic Processes"

"Efficient Estimation from Endogenously Stratified Samples with Prior Information on Marginal Probabilities"

"Benefit Evaluation of Complex Environmental Policy from Multiple-Referendum Contingent Valuation Experiments: The Multiple-Response Nested Logit Model" (with P. I. Wu and A. Randall)

"Efficiency Bounds for Distribution-Free Estimators from Endogenously Stratified Samples"

"Extreme-Value Stochastic Processes: A Model of Random Utility Maximization for a Continuous Choice Set."

"Efficiency of Semiparametric Estimators for the Binary Choice Model in Large Samples: A Monte Carlo Comparison."

Research reports

"The Trip Timing Decision for Travel to Work by Automobile" in: D. McFadden et al. (eds.), Urban Travel Demand Forecasting Project, Vol. V, Demand Model Estimation and Validation. Institute of Transportation Studies, University of California, Berkeley (1977).

"Demographic Data for Policy Analysis" with D. McFadden, G. Duguay and W. S. Jung, Urban Travel Demand Forecasting Project, Vol. VIII. Institute of Transportation Studies, University of California, Berkeley (1977).

"Efficient Estimation of Discrete-Choice Models from Choice-Based Samples," Research Report SL-7801, Workshop in Transportation Economics, Department of Economics, University of California, Berkeley, August 1978.

"Energy Analysis of Nuclear Power Programs," research report, Energy Research Group, Cavendish Laboratory, University of Cambridge, England.

Other scientific publications

"Daughter Poles in Reggeized Helicity Amplitudes at s=0," *Nuovo Cimento* 66A, pp. 57–103 (1970).

"Kinematic Singularity Structure of Amplitudes for a Four-Particle Process with one Massless Particle," *Physical Review* 176, pp. 1782–1795 (1968).

"$K_1^0 - K_2^0$ Mass Difference and the Intermediate Vector Boson," *Physical Review Letters* 20, pp. 634–636 (1968).

Conference presentations

"Efficient Semiparametric Estimation from a Smoothed Likelihood Function," Econometric Society World Congress, London, August 2005.

"Semiparametric Estimation with Aggregate Constraints," Conference in Honor of Daniel McFadden, Berkeley, May 2005.

Research support

National Science Foundation, for research on "Econometric Models of Probabilistic Choice over a Continuous Choice Set," 1989–1992.

National Science Foundation, for research on "Distribution-Free Estimation of Models with Sample Selectivity," 1984–1986.

National Science Foundation, for research on "Methods of Analyzing Structural Models of Discrete Choice," 1980–1981 and 1982–1983.

Transportation Research Center, Northwestern University, for research on "Causal Models of Continuous Choice," 1979, and "Analysis of Errors in Travel Forecasting" (with F. S. Koppelman), 1979.

Professional societies

Member of: American Economic Association, American Statistical Association, Econometric Society.