

# Denzil G Fiebig

## Curriculum Vitae

(As at January 2009)

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### I. BIOGRAPHICAL DATA

Place of Birth : Adelaide, Australia  
Date of Birth : 19 December 1952  
Citizenship : Australian  
Sex : Male  
Marital Status : Married  
Children : Two

### II. EDUCATION

Bachelor of Commerce (Hons), University of New South Wales, 1975  
Master of Commerce (Hons), University of New South Wales, 1979  
Ph.D. in Economics, University of Southern California, 1982

### III. PROFESSIONAL EMPLOYMENT

#### a. Employment:

1973-75 : Research Officer  
Commonwealth Banking Corporation  
1976-78 : Tutor, Department of Econometrics  
University of New South Wales  
1979 : Lecturer, Department of Economics  
University of Wollongong  
1979-82 : Teaching/Research Assistant, Department of Economics  
University of Southern California  
1982-83 : Instructor, Department of Economics  
University of Southern California  
1983-86 : Lecturer, Department of Econometrics  
University of Sydney

- 1987-91 : Senior Lecturer, Department of Econometrics  
University of Sydney
- 1991-99 : Associate Professor, Department of Econometrics  
University of Sydney
- 1992-99 : Head, Department of Econometrics  
University of Sydney
- 1999-2001: Research Fellow, Centre for Health Economics Research and  
Evaluation, University of Sydney
- 2000 : Associate Professor, Econometrics and Business Statistics  
University of Sydney
- 2001 : Professor, Econometrics and Business Statistics  
University of Sydney
- 2001- : Professor, School of Economics  
University of New South Wales
- 2002-04 : Head, School of Economics  
University of New South Wales
- 2002- : Adjunct Professor, Centre for Health Economics Research and  
Evaluation, University of Technology, Sydney

**b. Administrative experience:**

Member of the Organizing Committee for the Australasian Meeting of the  
Econometric Society, Sydney 1984

Director of the Joint Masters Program, 1989-92

Acting Head, Department of Econometrics, January 1989, January 1991

Member of the University Working Group on Library Funding Strategy, 1991-92

Nominee of the Chair of the Academic Board on Level A, B, C Selection  
Committees 1991-94

Head, Department of Econometrics, 1992-99

Member of the University of Sydney Academic Board 1992-96

Member of the Australasian Standing Committee of the Econometric Society,  
1992-96, 2002-2006

Chairman of the Organizing Committee for the Australasian Meeting of the  
Econometric Society, Sydney 1993

Member of the University of Sydney Academic Forum 1996-99

Co-Chairman of the Program Committee for the 23<sup>rd</sup> International Conference of the International Association of Energy Economics, Sydney 2000

Member of the Mathematics Learning Centre Advisory Committee, 2000-01

Head, School of Economics, 2002-04

Elected member of UNSW Academic Board, 2002-08

Member, Advisory Board of Centre for Pensions and Superannuation, 2002-

Member, Advisory Board of Centre for Health Economics Research and Evaluation 2003-

Co-Chairman of the Organizing Committee for the Australasian Meeting of the Econometric Society, Sydney 2003

Chairman of UNSW Undergraduate Re-enrolment Appeal Committee, 2003-08

President, Australian Health Economics Society, 2005-

Chair, external review committee for Department of Econometrics and Business Statistics, Faculty of Business and Economics, Monash University 2006

Member, Governing Board of National Centre for Econometric Research 2006-

Member, International Health Economics Association (iHEA) Scientific Committee 2006-

**c. Teaching experience:**

Has taught a wide range of courses at the Universities of New South Wales, Southern California, Wollongong and Sydney. These include principles of economics, introductory statistics, time series analysis and econometrics at undergraduate and graduate levels.

Current teaching is concentrated in applied econometrics, micro-econometrics, intermediate econometric theory and business statistics.

**d. PhD supervision (supervisor or co-supervisor):**

Saia Kami (1992), University of Sydney  
*Determinants and special features of consumer demand in Tonga*

Daehoon Nahm (1995), University of Sydney  
*Quasi-separability and monetary aggregation: An application to the components of Australian broad money*

Roger Ham (1999), University of Western Sydney  
*The urban residential economic model: Theoretical and empirical developments*

Diane Dancer (2000), University of Sydney  
*Student performance and progression in econometrics*

Fude Cheng (2002), University of Sydney  
*Dynamic limited dependent variable models using panel data with applications to corporate dividends*

#### IV. PROFESSIONAL ACTIVITIES

a. **Memberships in professional and learned societies:**

American Statistical Society

Australian Health Economics Society

Econometric Society

Economic Society of Australia and New Zealand

International Association for Energy Economics

International Health Economics Association

Modelling and Simulation Society of Australia and New Zealand

Academy of the Social Sciences in Australia

b. **Professional service:**

Member, Editorial Board of *The Economic Record*, Journal of the Economic Society of Australia, 2008-

Referee for *Applied Economics*, *Australian Economic Papers*, *Australian and New Zealand Journal of Statistics*, *Contributions to Economic Analysis*, *Econometric Reviews*, *Economic Record*, *Empirical Economics*, *Energy Economics*, *Health Economics*, *Health Economics Letters*, *International Journal of Forecasting*, *International Statistical Review*, *Journal of Health Economics*, *Journal of Industrial Economics*, *Journal of the American Statistical Association*, *Journal of Applied Econometrics*, *Journal of Econometrics*, *Journal of Forecasting*, *New Zealand Economic Papers*, *Papers in Regional Science*, *Resource and Energy Economics*, *Social Science and Medicine*, *Statistics and Probability Letters*, *The American Statistician*, *The Australian Journal of Agricultural Economics*, *The Economic and Labour Relations Review*, *The Energy Journal*, *The Review of Economics and Statistics*

Referee for Australian Research Council

Ozreader for Australian Research Council 2001, 2004-06, 2008-

Referee for National Health and Medical Research Council

External thesis examiner for Australian National University, Monash University, University of New England, University of New South Wales, University of Sydney, University of Tasmania and University of Western Australia

c. **Academic or professional awards and distinctions:**

Shared the Hungerford, Spooner and Kirkhope Prize for Accounting I, 1971

Commonwealth Scholarship, 1971-74

Commerce Society Prize, 1976

Fulbright grantee, 1979-83

Omicron Delta Epsilon Award for Outstanding USC Department of Economics Graduate Student, 1981

University of Sydney, Faculty of Economics Teaching Award 1997

Best Discussant Award, 1999 PhD Conference in Economics and Business

Elected Fellow of the Academy of the Social Sciences in Australia, 2003

Inaugural inductee into the PhD Conference in Economics and Business Hall of Fame

Invited judge for UTS Introductory Econometrics Teaching Prize awarded in conjunction with ESAM07, 2007

Australian School of Business, UNSW, Outstanding Research Supervision Award, 2008

d. **Research Grants:**

University of Sydney, URG Special Project Grant, 1984-85, "Alternative limited information estimators with undersized samples" \$19,261

Australian Research Council Grant, 1993, "An econometric analysis of Australian residential energy demand by end use", \$9,000, (Joint with R. Bartels)

Australian Research Council Grant, 1994-95, "The demand for energy in Australian industry", \$25,000, (Joint with R. Bartels)

Australian Research Council Grant, 1994-96, "A regional end-use energy demand model", \$118,000, (Joint with R. Bartels and A. Woodland)

Australian Research Council Infrastructure Grant, 1996, "Establishing the National Micro Economic Modelling Laboratory, MEMLab", \$700,000 (Joint with M. Aitken, J. Louviere and P. Swan)

Australian Research Council Grant, 1997-99, "A stated preference based market structure model of supply and demand of household water heaters", \$253,000, (Joint with R. Bartels and B. Dellaert)

Australian Research Council Grant, 2000-02, “Bayesian model-mixing and semi parametric regression estimation in multivariate econometrics”, \$155,175, (Associate researcher with T. Shively; M.S. Smith is the Chief Investigator)

National Health and Medical Research Council Project Grant, 2003-07, “Evaluating health policy by understanding consumer and provider decisions about health care: A new approach”, \$6,875,000, (Joint with J. Hall, J. Louviere, P. Apps and R.C. Viney)

Australian Research Council Grant, 2003-05, “Economic analysis of inter-relationships between private health insurance and health expenditures”, \$135,000, (Joint with E.J. Savage and R.C. Viney)

Australian Research Council Linkage Grant, 2006-07, “Factors which influence the preferences of GPs and women for contraceptive products”, \$83,968, (Joint with E. Weisberg and R.C. Viney)

Australian Research Council Discovery Grant, 2006-08, “Bayesian choice modelling”, \$260,000, (Joint with E.J. Cripps)

**e. Visiting appointments:**

Visitor Department of Economics, University of Southern California, 1986

McKethan-Matherly Research Fellow, University of Florida, 1986

Visitor CentER for Economic Research, Tilburg University, 1990, 1995, 1998, 2001

Visitor Center for Health Economics Research and Evaluation, (CHERE) University of Sydney, 1999, 2003

Visitor Econometrics Group, Victoria University of Wellington, 1999

**f. Consultancies:**

The Overseas Telecommunications Commission of Australia, 1983-86

The Sydney County Council, 1985

Southern California Edison Company, 1986

Electricity Commission of New SouthWales, 1988

The Sydney County Council, 1988

Department of Minerals and Energy, 1990-91

Department of Transport and Communications, 1991  
Australian Broadcasting Tribunal, 1992  
Pacific Power, 1992-6  
Prices Surveillance Authority, 1992  
Complete Technology, 1992, 1994  
New South Wales Office of Energy, 1993  
State Electricity Commission of Victoria, 1993-94  
Law Foundation of New South Wales, 1996  
New South Wales Department of Public Works and Services, 1996  
Transgrid, 1997  
AGL, 2000  
Classic Solutions, 2000-01  
KPMG, 2002  
Big Switch Projects, 2003  
Tyrrells Property Inspections, 2004  
Integral Energy, 2007

In brief, the consulting assignments undertaken include:

1. Development of a long-term forecasting model for telecommunications demand between Australia and Hong Kong.
2. A comprehensive econometric telecommunications demand analysis for traffic between Australia and ten countries.
3. An evaluation of alternative methods of generating forecasts of the economic variables used in telecommunications demand analysis.
4. Estimation of price elasticities for the alternative telephone services of OTC.
5. Training courses in statistics and econometrics with special reference to telecommunications.
6. Provision of advice and training on data management and analysis with the SAS software.
7. Training course in the econometrics of cross-sectional and time-series data analysis with special reference to electricity demand.

8. Estimation of household electrical end-use load profiles for N.S.W.
9. Development of DELMOD: a load profile forecasting model for N.S.W.
10. Analysis of household energy use in N.S.W. for 1985-86 and 1989.
11. Provision of advice on the design and implementation of price regulation of Telecom/OTC services with particular reference to the estimation of total factor productivity in the telecommunications sector.
12. Design of an optimal sample of N.S.W. customers for the purposes of estimated residential load and the analysis of household electrical end-use load profiles.
13. Analysis and critique of econometric work on the relationship between green bean prices and instant coffee prices.
14. Expert witness support for case involving econometric forecasts of sales losses due to alleged constraint of trade.
15. Development of a short-term forecasting model for Victorian electricity sales.
16. Provision of statistical advice on the analysis of data measuring the effects of producing legal documents in plain language.
17. Statistical analysis of the performance of cleaning contractors.
18. Review of techniques and methodologies for forecasting electricity demand.
19. Review of ABS statistical analysis of energy demand.
20. Review of techniques and methodologies for simulating correlated time series.
21. Provided advice on design of data collection for willingness to pay for service quality in electric distribution networks.
22. Review of statistical analysis of store-level energy demand.
23. Expert witness advice for case involving statistical analysis of sales losses due to defamation.
24. Analysis of household energy use and design of survey instrument to collect information on household appliance holdings.

**g. Conferences:**

Western Economic Association Meeting, Los Angeles 1982 - presented paper

5<sup>th</sup> International Futures and Forecasting Conference, Vancouver 1984 - presented two papers

Australasian Meeting of the Econometric Society, Sydney 1984 - member of the organizing committee

14<sup>th</sup> Conference of Economists, Sydney 1985 - presented paper and chaired a session

Australasian Meeting of the Econometric Society, Christchurch 1987 - presented paper

A.N.U. Time Series Workshop, Canberra 1988 - invited discussant

Australasian Meeting of the Econometric Society, Armidale 1989 - presented paper and chaired a session

A.N.U. Applied Econometrics Workshop, Canberra 1990 - invited discussant

Australasian Meeting of the Econometric Society, Sydney 1991 - presented paper and chaired two sessions

Australasian Meeting of the Econometric Society, Melbourne 1992 - invited speaker on teaching econometrics

Australasian Meeting of the Econometric Society, Sydney 1993 - Chairman

Ph.D. Conference in Economics and Business, Perth 1993 - invited discussant

International Congress on Modelling and Simulation, Perth 1993 - presented paper and chaired a session

23<sup>rd</sup> Conference of Economists, Gold Coast 1994 - presented paper and chaired a session

Energy Models for Policy and Planning, LBS/IFORS, London UK 1995 - presented paper

Ph.D. Conference in Economics and Business, Perth 1995 - invited discussant

Australasian Meeting of the Econometric Society, Perth 1996 - presented paper and chaired a session

Australasian Meeting of the Econometric Society, Melbourne 1997 - presented paper

International Congress on Modelling and Simulation, Hobart 1997 - presented paper and chaired a session

Australasian Meeting of the Econometric Society, Canberra 1998 - presented paper

22<sup>nd</sup> International Association for Energy Economics Annual International Conference, Rome 1999 – presented paper

Conference of the Australian Health Economics Society, Canberra 1999 – invited discussant

Ph.D. Conference in Economics and Business, Perth 1999 - invited discussant

International Congress on Modelling and Simulation, Hamilton 1999 - presented paper

23<sup>rd</sup> International Association for Energy Economics Annual International Conference, Sydney 2000 – Program co-chair

Conference of the Australian Health Economics Society, Gold Coast 2000 – invited discussant

Industry Economics Conference, Melbourne 2001 - presented paper

Labour Econometrics Workshop, Sydney 2001 - invited discussant

Conference of the Australian Health Economics Society, Canberra 2001 – presented paper and chaired a session

Ph.D. Conference in Economics and Business, Perth 2001 - invited discussant

International Congress on Modelling and Simulation, Canberra 2001 - presented paper and chaired a session

Australasian Meeting of the Econometric Society, Brisbane 2002 - presented paper and chaired a session

Conference of the Australian Health Economics Society, Sydney 2002 – invited discussant and chaired a session

4<sup>th</sup> World Congress of the International Health Economics Association (iHEA), San Francisco 2003 – presented paper

Conference of the Australian Health Economics Society, Canberra 2003 – presented paper and chaired a session

Ph.D. Conference in Economics and Business, Perth 2003 – invited discussant

6<sup>th</sup> Invitational Choice Symposium, Boulder 2004 – invited participant

Conference of the Australian Health Economics Society, Melbourne 2004 – invited discussant and chaired a plenary session

Microeconometrics Workshop, Melbourne 2004 – invited speaker

Ph.D. Conference in Economics and Business, Canberra 2004 – invited discussant

Productivity Commission Conference: Quantitative Tools for Microeconomic Policy Analysis, Canberra 2004 – invited speaker

5<sup>th</sup> World Congress of the International Health Economics Association (iHEA), Barcelona 2005 – presented paper and invited discussant

Labour Econometrics Workshop, Sydney 2005 – invited discussant

Conference of the Australian Health Economics Society, Auckland 2005 – presented paper and invited discussant

International Congress on Modelling and Simulation, Melbourne 2005 - presented paper and chaired session

Ph.D. Conference in Economics and Business, Perth 2005 – invited discussant

Australasian Meeting of the Econometric Society, Alice Springs 2006 - presented paper and chaired a session

Conference of the Australian Health Economics Society, Perth 2006 – invited discussant and chaired keynote address

6<sup>th</sup> World Congress of the International Health Economics Association (iHEA), Copenhagen 2007 – presented two papers and chaired session

Workshop on “Applying a representative assessments methodology to Energy Efficiency Opportunities assessments”, conducted by Federal Department of Industry, Tourism and Resources, Melbourne 2007 – invited presentation

Conference of the Australian Health Economics Society, Brisbane 2007 – presented paper and chaired keynote address

Health Policy Roundtable, Sydney 2007 – invited speaker

Ph.D. Conference in Economics and Business, Perth 2007 – invited discussant

Workshop on Choice Modelling conducted by CENSOC, UTS, Sydney, February 2008 – invited presentation

Australasian Meeting of the Econometric Society, Auckland 2008 – presented paper

Ph.D. Conference in Economics and Business, Canberra 2008 – invited discussant

**h. Seminar presentations:**

Have been invited to give seminars at Australian National University, Adelaide University, Deakin University, Dortmund University, Macquarie University, Monash University, Tilburg University, University of Florida, University of Hull, University of Adelaide, University of Melbourne, University of New England, University of New South Wales, University of Queensland, University of Southern California, University of Sydney, University of Technology Sydney, Victoria University of Wellington

## V. PUBLICATIONS

### a. Journal articles

1. "The precision gain from adding an equation in joint linear estimation", *Economics Letters*, 4, 1979, 257-259 (with H. Theil).
2. "The causal relationship between money and income in Australia", *Australian Economic Papers*, June 1980, 78-90.
3. "The precision gain from additional predictions", *Economics Letters*, 5, 1980, 59-61. (with H. Theil).
4. "Maximum entropy canonical correlations", *Economics Letters*, 6, 1980, 345-348.
5. "A maximum entropy approach to the specification of distributed lags", *Economics Letters*, 7, 1981, 339-342. (with H. Theil).  
(Reprinted in *Henri Theil's contributions to economics and econometrics. Volume 2. Consumer demand analysis and information theory*, B. Raj and J. Koerts, Eds., Advanced Studies in Theoretical and Applied Econometrics Vol. 24. Kluwer Academic, 1992, 923-926.)
6. "A Bayesian analysis of inventory investment", *Empirical Economics*, 6, 1981, 229-237.
7. "When are two-stage and three-stage least squares estimators identical?", *Economics Letters*, 8, 1981, 53-57 (with A. Kapteyn).
8. "Robust methods in econometrics: comment", *Econometric Reviews*, 1, 1982, 263-269 (with H. Theil).
9. "The two perils of symmetry-constrained estimation of demand systems", *Economics Letters*, 13, 1983, 105-111. (with H. Theil).  
(Reprinted in *Henri Theil's contributions to economics and econometrics. Volume 2. Consumer demand analysis and information theory*, B. Raj and J. Koerts, Eds., Advanced Studies in Theoretical and Applied Econometrics Vol. 24. Kluwer Academic, 1992, 733-739)
10. "Simultaneous equation estimation from undersized samples", *Statistics and Probability Letters*, 1, 1983, 229-232. (with S. Kidwai and H. Theil).
11. "On the maximum entropy approach to undersized samples", *Applied Mathematics and Computations*, 14, 1984, 301-312.
12. "More on goodness of fit of allocation models", *Economics Letters*, 15, 1984, 5-11. (with R. Finke and H. Theil).
13. "Evaluating estimators without moments", *Review of Economics and Statistics*, 67, 529-534, 1985.
14. "On sign reversals in restricted models", *Southern Economic Journal*, 53, 269-271, 1986.

15. "The measurement of income and price dispersion in cross-country demand analysis", *Economics Letters*, 22, 391-393, 1986, (with H. Theil).
16. "International telecommunications forecasting: An investigation of alternative functional forms", *Applied Economics*, 19, 949-960, 1987, (with R.A. Bewley).
17. "The demand for energy: Evidence from a cross-country demand system", *Energy Economics*, 9, 149-153, 1987, (with J. Seale Jr. and H. Theil).
18. "A flexible logistic growth model with applications in telecommunications", *International Journal of Forecasting*, 4, 177-192, 1988, (with R.A. Bewley).
19. "Estimation of price elasticities for an international telephone demand system", *Journal of Industrial Economics*, 36, 393-409, 1988, (with R.A. Bewley).
20. "Why are long-run parameter estimates so disparate?", *Review of Economics and Statistics*, 72, 345-349, 1990, (with R. A. Bewley).
21. "Specification analysis in dynamic models", *Journal of Business and Economic Statistics*, 8, 443-452, 1990, (with E. Maasoumi).
22. "Integrating direct metering and conditional demand analysis for estimating end-use loads", *The Energy Journal*, 11(4), 79-97, 1990, (with R. Bartels).
23. "A random coefficient approach to the estimation of residential end-use load profiles", *Journal of Econometrics*, 50, 297-327, 1991, (with R. Bartels and D.J. Aigner).
24. "A simple characterization of seemingly unrelated regressions models in which OLS is BLUE", *The American Statistician*, 45, 137-140, 1991, (with R. Bartels).
25. "DELMOD: An end-use electricity load simulation model", *Utilities Policy*, 2, 71-82, 1992, (with R. Bartels, M. Garben and R. Lumsdaine).
26. "Estimation of long-run responses in dynamic models with integrated data", *Mathematics and Computers in Simulation*, 33, 539-544, 1992, (with R.A. Bewley).
27. "Properties of Ordinary Least Squares estimators in regression models with non-spherical errors", *Journal of Econometrics*, 54, 321-334, 1992, (with M. McAleer and R. Bartels).
28. "Bounds on coefficient estimates when the dependent variable is grouped: A problem", *Econometric Theory*, 9, 145, 1993.
29. "The distribution of price changes in oligopoly", *Journal of Industrial Economics*, 41, 295-313, 1993, (with S. Domberger).
30. "Cointegration and modelling dynamic economic relationships", *Econometric Reviews*, 13, 337-343, 1994.

31. “Estimating end-use demand: A Bayesian approach”, *Journal of Business and Economic Statistics*, 12, 221-231, 1994, (with L. Bauwens and M.F.J. Steel).
32. “Iterative estimation in partitioned regression models: A problem”, *Econometric Theory*, 11, 1177, 1995.
33. “Optimal design in end-use metering experiments”, *Mathematics and Computers in Simulation*, 39, 305-309, 1995, (with R. Bartels).
34. “Another twist on the equality of OLS and GLS”, *Statistical Papers*, 37, 277-281, 1996, (with R. Bartels and W. Krämer).
35. “The Frisch-Waugh theorem and generalized least squares”, *Econometric Reviews*, 15, 431-443, 1996, (with R. Bartels and W. Krämer).
36. “Gas or electricity, which is cheaper?: An econometric approach with application to Australian expenditure data”, *The Energy Journal*, 17(4), 33-58, 1996, (with R. Bartels and M. Plumb).
37. “Regional end-use gas demand in Australia”, *The Economic Record*, 72, 319-331, 1996, (with R. Bartels and D. Nahm).
38. “Metering and modelling residential end-use electricity load curves”, *Journal of Forecasting*, 15, 415-426, 1996, (with R. Bartels).
39. “Sensitivity bounds for use with flawed data”, *Mathematics and Computers in Simulation*, 48, 479-486, 1999, (with P.-F. Uldry).
40. “Estimation and inference in SUR models when the number of equations is large”, *Econometric Reviews*, 19, 105-130, 2000, (with J.H. Kim).
41. “Modelling the price, performance and contract characteristics of IT outsourcing”, *Journal of Information Technology*, 15, 107-118, 2000, (with S. Domberger and P. Fernandez).
42. “Residential end-use electricity demand: Results from a designed experiment”, *The Energy Journal*, 21(2), 51-81, 2000, (with R. Bartels).
43. “Modelling the development of supply-restricted telecommunications markets”, *Journal of Forecasting*, 20, 249-264, 2001, (with T. Islam).
44. “On the herding instinct of interest rate forecasters”, *Empirical Economics*, 27, 403-425, 2002, (with R. Bewley).
45. “Modelling multinational telecommunication demand with limited data”, *International Journal of Forecasting*, 18, 605-624, 2002, (with T. Islam and N. Meade).
46. “The value of using stated preference methods: A case study in modelling water heater choices”, *Mathematics and Computers in Simulation*, 64, 487-495, 2004, (with R. Bartels and A. McCabe).
47. “Modelling students at risk”, *Australian Economic Papers*, 43, 158-173, 2004, (with D. Dancer).

48. "Recent progress on endogeneity in choice modelling", *Marketing Letters*, 16, 255-265, 2005, (with J.J. Louviere, K. Train, M. Ben-Akiva, C. Bhat, D. Brownstone, T.A. Cameron, R. Carson, G. DeShazo, W. Greene, D. Hensher and D. Waldman).
49. "Why worry about awareness in choice problems? Econometric analysis of screening for cervical cancer", *Health Economics*, 15, 33-47, 2006, (with R. Belkar, M. Haas and R. Viney).
50. "Consumers and experts: An econometric analysis of the demand for water heaters", *Empirical Economics*, 31, 369-391, 2006, (with R. Bartels and A. van Soest).
51. "What influences participation in genetic carrier testing? Results from a discrete choice experiment", *Journal of Health Economics*, 25, 520-537, 2006, (with J.P. Hall, M. King, I. Hossain and J.J. Louviere).
52. "Using discrete choice experiments to investigate subject preferences for preventative asthma medication", *Respirology*, 12, 127-136, 2007, (with E.J. Lancsar, J.P. Hall, M. King, P. Kenny, J.J. Louviere, I. Hossain, F.C.K. Thien, H.K. Reddell and C.R. Jenkins).
53. "Patient preferences for managing asthma: Results from a discrete choice experiment", *Health Economics*, 16, 703-717, 2007, (with M.T. King, J.P. Hall, E.J. Lancsar, I. Hossain, J.J. Louviere, H.K. Reddell and C.R. Jenkins).
54. "A Monte Carlo comparison of alternative estimators for a bivariate probit model with selection", *Mathematics and Computers in Simulation*, 78, 250-256, 2008, (with R. Belkar).
55. "Optimal recall length in survey design", *Journal of Health Economics*, 27, 1275-1284, 2008, (with P.M. Clarke and U.G. Gerdtham)
56. "Parsimonious estimation of the covariance matrix in multinomial probit models", forthcoming *Econometric Reviews*, (with E. Cripps and R. Kohn)
57. "Bayesian estimation of a random effects heteroscedastic probit model", forthcoming *The Econometrics Journal*, (with Y. Gu, E. Cripps and R. Kohn)

**b. Conference Proceedings**

1. "Residential end-use study in NSW", *1993 ESAA Forecasting Forum*, 1993, (with N. Crabb, P. Tang, G. Gangopadhyay and R. Bartels).
2. "Combining data for estimation of end-use energy demand", *22<sup>nd</sup> IAEE Annual International Conference: Conference Proceedings Volume 2*, 275-284, 1999.
3. "Evidence of joint decision making", *International Congress on Modelling and Simulation: Proceedings, Volume 2*, L. Oxley, F. Scrimgeour and M. McAleer eds., University of Waikato, Hamilton, New Zealand, 325-330, 1999, (with R. Bartels).
4. "Commentary" on: "Stochastic trends in traffic crashes in New Zealand", *Economics and Health 1999. Proceedings of twenty first Australian Conference*

- of Health Economists*, J.C. Baldry ed., School of Health Services Management, University of New South Wales, 253-255, 2000.
5. "Households choices: Some data and modelling issues", *Economics and Health 2001. Proceedings of the twenty third Australian Conference of Health Economists*, J. Butler and L. Connelly eds., 2002.
  6. "Discrete choice experiments in the analysis of health policy", *Productivity Commission Conference, November 2004: Quantitative Tools for Microeconomic Policy Analysis*, 119-136, 2005, (with J. Hall).
- c. Contributions to books**
1. "Small samples and large equation systems" in *Handbook of Statistics*, Volume 5, E.J. Hannan, P.R. Krishnaiah and M.M. Rao eds., Amsterdam, Elsevier Science Publishers B.V., 1985, 451-480, (with H. Theil).
  2. "Epilogue", in *Applied Demand Analysis: Results from System-wide Approaches*, H. Theil and K.W. Clements, Cambridge, Mass., Ballinger Publishing Company, 1987, 265-271, (with J. Seale Jr. and H. Theil).
  3. "Cross-country demand analysis based on three phases of the International Comparison Project", in *World Comparison of Income, Prices and Product*, J. Salazar-Carrillo and D.S. Prasada-Rao, eds., Amsterdam, North-Holland Publishing Company, 1988, 225-236, (with J. Seale Jr. and H. Theil).
  4. "Sample design considerations for telephone time-of-use pricing experiments with an application to OTC-Australia", in *Telecommunications Demand Modelling: An Integrated View*, A. de Fontenay, M. Shugard and D. Sibley, eds., Amsterdam, North-Holland Publishing Company, 1990, 279-298, (with D.J. Aigner).
  5. "Efficiency of alternative estimators in generalized seemingly unrelated regression models", in *Contributions to Consumer Demand and Econometrics: Essays in Honour of Henri Theil*, R. Bewley and T.V. Hao, eds., Macmillan Publishing Company, 1992, 125-139, (with R. Bartels).
  6. "Seemingly unrelated regression", in *Companion in Theoretical Econometrics*, B.H. Baltagi ed., Basil Blackwell: Oxford, 2001, 101-121.
  7. "Private finance publicly subsidized: The case of Australia insurance" in S. Thomson, E. Mossialos and R. Evans eds. *Private health insurance and medical savings accounts: Lessons from international experience* forthcoming Cambridge University Press, (with J.P. Hall).
  8. "Benefit assessment for CBA studies in health care using DCEs: Estimating welfare in a health care setting" in E. McIntosh, J.J. Louviere, E. Frew and P. Clarke eds. *Applied methods of cost-benefit analysis in health care* forthcoming Oxford University Press, (with J.J. Louviere).

**d. Books and monographs**

1. *Exploiting Continuity: Maximum Entropy Estimation of Continuous Distributions*, Ballinger Publishing Co, Cambridge Mass., 1984 (with H. Theil).
2. *Domestic End-Use Study*, Electricity Commission of N.S.W., PD 88/5, 1988 (with R. Bartels, D.J. Aigner and T. leRoux).
3. *Residential Energy Consumption in NSW: An Economic Analysis of the 1985-86 ABS Household Energy Survey*, Department of Minerals and Energy, 1991 (with A.D. Woodland).
4. *Domestic Energy Use in NSW: An Economic Analysis of the 1989 ABS Domestic Energy Survey*, Office of Energy, 1994 (with A.D. Woodland).

**e. Book reviews**

1. Sargan, D.: *Lectures on Advanced Econometric Theory*, for *The Economic Record*, 65, 401-402, 1989.
2. Goldberger, A.S.: *A Course in Econometrics*, for *Econometric Reviews*, 11, 397-401, 1992.
3. Berry, D.A., Chaloner K.M. and Geweke J. eds.: *Bayesian Analysis in Statistics and Econometrics: Essays in Honor of Arnold Zellner*, for *Journal of Applied Econometrics*, 11, 695-697, 1996.
4. Granger, C.W.J.: *Empirical Modeling in Economics: Specification and Evaluation*, for *The Economic Record*, 76, 308-309, 2000.
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