Jennifer Louise Castle

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Personal Information

Date of Birth: 11 September 1979 Sex: Female Citizenship: British

Teaching and Research Fields

Applied macroeconomics, time-series econometrics, forecasting and model selection.

Employment

2009-	Economics Fellow, Magdalen College, Oxford University.
2006-2009	British Academy Postdoctoral Research Fellow, Department of Economics and Nuffield College, Oxford University.

Education

2003-2006	PhD Economics, Nuffield College, University of Oxford. "Empirical Modelling and Model Selection for Forecasting Inflation in a Non-stationary World". *Advisor*: David F. Hendry *Examiners*: Bent Nielsen and Hans-Martin Krolzig
2001-2003	M.Phil. Economics, Nuffield College, University of Oxford, awarded with distinction.
1998-2001	B.A. Economics, Collingwood College, University of Durham, First Class Honours.

Publications

'Using Model Selection Algorithms to Obtain Reliable Coefficient Estimates', (with Xiaochuan Qin and W. Robert Reed). *Journal of Economic Surveys*, 2011, forthcoming.

'On Not Evaluating Economic Models by Forecast Outcomes', (with David F. Hendry), *Istanbul University Journal of the School of Business Administration*, **40(1)**, 2011, pp. 1-14.

'Evaluating Automatic Model Selection', (with Jurgen A. Doornik and David F. Hendry), *Journal of Time Series Econometrics*, **3(1)**, 2011, Article 8.

'Automatic Selection for Non-linear Models', (with David F. Hendry) in Wang, L., Garnier, H. and Jackman, T. (eds.), *System Identification, Environmental Modelling and Control*, Springer, 2011, forthcoming.

'Forecasting Breaks and During Breaks', (with Nicholas Fawcett and David F. Hendry) in Clements, M.P. and Hendry, D.F. (eds.), *Oxford Handbook of Economic Forecasting*, Oxford University Press, 2011, Chapter 11, pp. 315-354.

'Forecasting with Equilibrium-correction Models during Structural Breaks', (with Nicholas Fawcett and David F. Hendry), *Journal of Econometrics*. **158(1)**, 2010, pp. 25-36.

'A Low-Dimension Portmanteau Test for Non-linearity', (with David F. Hendry), *Journal of Econometrics*, **158(2)**, 2010, pp. 231-245.

'Nowcasting from Disaggregates in the Face of Location Shifts', (with David F. Hendry), *Journal of Forecasting*, **29**, 2010, pp. 200-214.

'Nowcasting is not just Contemporaneous Forecasting', (with Nicholas Fawcett and David F. Hendry), *National Institute Economic Review*, **210(1)**, 2009, pp. 71-89.

'The Long-Run Determinants of UK Wages, 1860-2004', (with David F. Hendry). *Journal of Macroeconomics*, **31(1)**, 2009, pp. 5-28.

'Forecasting UK Inflation: the Roles of Structural Breaks and Time Disaggregation', 2008, (with David F. Hendry). In Rapach and Wohar (eds.), *Forecasting in the Presence of Structural Breaks and Model Uncertainty*, Frontiers of Economics and Globalization Series, Emerald, Chapter 2, pp. 41–92.

'Evaluating PcGets and RETINA as Automatic Model Selection Algorithms', *Oxford Bulletin of Economics and Statistics*, **67**, 2005, pp. 837-880.

‘Building a Real-time Database for GDP(E)’ (with Colin Ellis), *Bank of England Quarterly Bulletin*, Spring 2002, pp. 42-49.

Books

Edited Volume: *The Methodology and Practice of Econometrics*, 2009, (with Neil Shephard), Oxford: Oxford University Press.

Econometric Model Selection: Nonlinear Techniques and Forecasting, 2008, Saarbrücken: VDM Verlag. ISBN: 978-3-639-00458-8.

Short Articles

‘Nowcasting holds Policy Promise’, Oxford Analytica, 9/9/2010.

‘Modelling a century and a half of UK macroeconomic data using general to specific methodology’, *Oxonomics*, **2**, 2007, pp. 21-26.

‘Automatic Econometric Model Selection using PcGets’, *Aenorm*, **52**, 2006, pp. 43-46.

‘Time Variation in Asset Return Correlations’, *Aenorm*, **53**, 2006, pp. 35-38.

‘Automatic Econometric Model Selection using PcGets’, *Medium Econometrische Toepassingen (MET)*, **14**, 2006, pp. 16-19.

Working Papers

‘A Forecast-error Correction Mechanism’, (with David F. Hendry), Working paper, Economics Department, University of Oxford, 2011.

‘A tale of 3 cities: Model selection in over-, exact, and underspecified equations’, (with David F. Hendry), Working Paper No. 523, Economics Department, University of Oxford, 2011. (Forthcoming in Festschrift for Lord Desai).

‘Model Selection in Equations with Many ‘Small’ Effects’, (with Jurgen A. Doornik and David F. Hendry), Working Paper No. 528, Economics Department, University of Oxford, 2011.

‘Forecasting by factors, by variables, by both, or neither?’ (with Michael P. Clements and David F. Hendry), Working paper, Economics Department, University of Oxford, 2011.

‘Testing the Invariance of Expectations Models of Inflation’, (with Jurgen A. Doornik, David F. Hendry and Ragnar Nymoen), Working paper No. 510, Economics Department, University of Oxford, 2010.

‘Model Selection in Under-specified Equations Facing Breaks’, (with David F. Hendry), Working paper No. 509, Economics Department, University of Oxford, 2010.

‘Model Selection when there are Multiple Breaks’, (with Jurgen A. Doornik and David F. Hendry), Working paper No. 472, Economics Department, University of Oxford, 2009. Under consideration at *Journal of Econometrics*.

‘Checking the Robustness and Validity of Model Selection: An Application to UK Wages’. Working paper, Economics Department, University of Oxford, 2009.

‘Measuring Excess Demand and its Impact on Inflation’, Working paper, Economics Department, University of Oxford, 2005.

Relevant Positions Held

2010-	Member of the Institute for New Economic Thinking at the Oxford Martin School, University of Oxford.
2006-2008	ESRC research grant, “Automatic Tests of Model Specification” (RES-062-23-0061), with Professor David F. Hendry, Department of Economics, Oxford University.
2004-2006	Research Officer for ESRC funded project (RES-051-270035) on Economic Forecasting with Professor David F. Hendry, Department of Economics, Oxford University.

Professional Activities

2011-2015	On the Board of Directors of the International Institute of Forecasting.
2011-2015	Editor of The Oracle (online newsletter of the IIF).
2010	On the Editorial Board of the European Journal of Pure and Applied Mathematics as Co-Area Editor for Econometrics and Forecasting.
2007	Conference organizer, Oxford Forecasting Workshop: Making Economic Forecasts Work
2007	Conference organizer and co-editor, Festschrift for David F. Hendry
2007	Programme Committee Member, Econometric Society European Meetings
2006-2008	Co-organizer, Model Selection Workshop
2006-2008	Co-organizer, Oxford Forecasting and Decision Analysis Group

Referee for *International Journal of Forecasting, Journal of Forecasting, Journal of Macroeconomics, Journal of Business and Economic Statistics, Energy Journal, Computational Economics, Fiscal Studies, Oxford Bulletin of Economics and Statistics, Econometric Reviews, International Regional Science Review, Economics Letters, Studies in Nonlinear Dynamics & Econometrics, Oxford Economic Papers.*

Teaching

Postgraduate/professional teaching

2011	Invited Lecturer for PhD Statistical Summer School (model selection), Sweden.
2008	Lecturer for M.Phil Advanced Econometrics (econometric modelling), Department of Economics, Oxford University.
2008	Invited Lecturer for PhD course on Model Selection, University of Namur, Belgium.
2007-2008	Lecturer for Advanced Econometrics, Masters in Financial Econometrics, Saïd Business School, Oxford University.
2007-2008	Lecturer for 1st Year M.Phil Econometrics (time-series and macro-econometrics), Department of Economics, Oxford University.
2007, 2008	Course Teacher for OxMetrics Course for Central Bankers, organized by Timberlake Consultants, Oxford University.
2005-2006	Lecturer for M.Phil Advanced Econometrics (forecasting and econometric modelling including model selection), Department of Economics, Oxford University.
2005	Econometrics Teaching for PHARE Delegates (from the Bulgarian Government), Oxford University.
2003	Class Teacher for M.Phil Maths Classes, Department of Economics, University of Oxford.
2003	Teaching Assistant for Course for Risk Management Division of the European Central Bank, Frankfurt, Germany.

Undergraduate teaching

2009-	Undergraduate teaching in Macroeconomics, Quantitative Economics and Econometrics.

Presentations and Seminars

Conferences

International Symposium on Forecasting, Prague, Czech Republic, June 2011.
Conference in Honour of Halbert L. White, Jr., University of California, San Diego, USA, May 2011.
Conference in Honour of David F. Hendry, University of St Andrews, UK, July 2010.
7th OxMetrics Users Conference, Cass Business School, London, UK, September 2009.
International Symposium of Forecasting, Hong Kong, June 2009.
Macroeconomics and Econometrics Conference, University of Birmingham, May 2009.
Royal Economic Society Annual Conference, Surrey, UK, April 2009.
Cambridge workshop on Forecasting Under Model Instability, Cambridge University, UK, November 2008.
9th Annual Total Market Forecasting, Berlin, Germany, November 2008. (Invited)
5th Eurostat Colloquium on Modern Tools for Business Cycle Analysis, Luxembourg, August 2008. (Invited)
ESRC Research Methods Festival, Oxford University, UK, July 2008. (Invited)
International Symposium of Forecasting, Nice, France, June 2008.
Royal Economic Society Annual Conference, Warwick, UK, March 2008.
5th OxMetrics Users Conference, Cass Business School, London, UK, September 2007.

European Economic Association, Budapest, Hungary, August 2007.
Econometric Society European Meeting, Budapest, Hungary, August 2007.
Polish Econometric Society Annual Conference, Torun, Poland, August 2007. (Invited – keynote speaker)
International Symposium of Forecasting, New York, USA, June 2007.
Oxford Forecasting Workshop, Oxford University, UK, March 2007.
4th OxMetrics Users Conference, Cass Business School, London, UK, September 2006.
Econometric Society European Meeting, Vienna, Austria, August 2006.
European Economic Association Meeting, Vienna, Austria, August 2006.
Forecasting in the Presence of Structural Breaks Conference, St Louis, USA, August 2006. (Invited)
SITE Conference on Forecasting, Stanford University, USA, July 2006. (Invited)
Econometric Society Australasian Meeting, Alice Springs, Australia, July 2006.
International Symposium on Forecasting, Santander, Spain, June 2006.
Scottish Economic Society Annual Conference, Perth, Scotland, April 2006.
Royal Economic Society Annual Conference, Nottingham University, UK, April 2006.
IASC World Conference on Computational Statistics and Data Analysis, Cyprus, October 2005.
Workshop on Nonlinear and Nonstationary Time Series, Kaiserslautern, Germany, September 2005.
(Satellite Workshop of the NBER/NSF Time Series Conference, Heidelberg.)
3rd OxMetrics Users Conference, Cass Business School, London, UK, August 2005.
Econometric Study Group Conference, Bristol, July 2005.

Invited Seminars

University of Lancaster, UK, February 2010.
Oxford University Statistics Department, UK, January 2010.
University of Kent, UK, October 2009.
University of Oslo, Norway, September 2009.
Universidad Carlos III de Madrid, Spain, January 2009.
CORE at Université catholique de Louvain, Belgium, April 2008.
Norges Bank, Oslo, Norway, April 2008.
University of Warwick, UK, February 2008.
Singapore Management University, Singapore, October 2007.
University of Kent, UK, October 2006.
Monash University, Australia, July 2006.
Melbourne University, Australia, July 2006.
Chancellor's Court of Benefactors, Oxford University, UK, October 2005.
Nuffield College, Oxford, UK, June 2005.
Presentation to the Vice Chancellor of Oxford University, UK, March 2005.
Department of Economics Seminar, Oxford University, UK, February 2005.
Gorman Workshop, Nuffield College, Oxford, UK, February 2004.