

GEORGE LECKIE CURRICULUM VITAE

Office Contact Information:

Centre for Multilevel Modelling, University of Bristol g.leckie@bristol.ac.uk
2 Priory Road, Bristol, BS8 1TX, United Kingdom <http://www.bris.ac.uk/cmm/team/leckie.html>

Academic Positions:

2010 – Lecturer in Social Statistics
Centre for Multilevel Modelling, Graduate School of Education
University of Bristol

2009 – 2010 Research Associate
Centre for Multilevel Modelling, Graduate School of Education
University of Bristol

2008 – 2009 Research Assistant
Centre for Market and Public Organisation, Department of Economics
University of Bristol

2004 – 2005 Research Assistant
Centre for Market and Public Organisation, Department of Economics,
University of Bristol

Visiting Positions:

2011 – Visiting Scholar (2 days a fortnight)
Department of Economics and Related Studies
University of York

2010 Visiting Scholar (2 months)
Department of Policy Analysis and Management
Cornell University, New York

2008 – 2009 Visiting Scholar (9 months)
The Faculty of Economics and Business Administration
VU University, Amsterdam

Academic Qualifications:

2005 – 2008 PhD, Education
Title: Multilevel modelling of school differences in educational achievement
Supervisors: Professor Harvey Goldstein and Professor Simon Burgess
University of Bristol

2003 – 2004 MSc, Economics and Econometrics, *with distinction and first in year*
University of Bristol

2000 – 2003 BSc, Economics, *first class honours and first in year*
University of Bristol

Research Grants:

- October 2011 – September 2014 LEMMA 3: Longitudinal Effects, Multilevel Modelling and Applications, £1.4 million, ESRC, National Centre for Research Methods node. *Co-Investigator*.
- October 2009 – September 2012 e-STAT, £1.1 million, ESRC, Digital Social Research node. *Co-Investigator*.
- October 2008 – September 2011 STRUCTURES for Building, Learning, Applying and Computing Statistical Models, £1.17 million, ESRC, National Centre for Research Methods node. *Co-Investigator*.

Articles in Peer Reviewed Journals:

- Jenkins, J., Rasbash, J., **Leckie, G.**, Gass, K. and Dunn, J. (2012). The role of maternal factors in sibling relationship quality: a multilevel study of multiple dyads per family. *Journal of child psychology and psychiatry*, 53, 622-629.
- Leckie, G.**, Pillinger, R., Jones, K. and Goldstein, H. (2012). Multilevel modelling of social segregation. *Journal of Educational and Behavioral Statistics*, 37, 3-30.
- Cheung, C., Goodman, D., **Leckie, G.** and Jenkins, J. (2011). Understanding Contextual Effects on Externalizing Behaviors in Children in Out-of-home Care: Influence of Workers and Foster Families. *Children and Youth Services Review*, 33, 2050-2060.
- Leckie, G.** and Baird, J.-A. (2011). Rater effects on essay scoring: A multilevel analysis of severity drift, central tendency and rater experience. *Journal of Educational Measurement*, 48, 399-418.
- Leckie, G.** and Goldstein, H. (2011). A note on “The limitations of using school league tables to inform school choice”. *Journal of the Royal Statistical Society: Series A*, 174, 833-836.
- Leckie, G.** and Goldstein, H. (2011). Understanding uncertainty in school league tables. *Fiscal Studies*, 32, 207-224.
- Rasbash, J., **Leckie, G.**, Pillinger, R. and Jenkins, J. (2010). Children's educational progress: partitioning family, school and area effects. *Journal of the Royal Statistical Society: Series A*, 173, 657-682.
- Leckie, G.** (2009). The complexity of school and neighbourhood effects and movements of pupils on school differences in models of educational achievement. *Journal of the Royal Statistical Society: Series A*, 172, 537-554.
- Leckie, G.** and Goldstein, H. (2009). The limitations of using school league tables to inform school choice. *Journal of the Royal Statistical Society: Series A*, 172, 835-851.
- Propper, C., Burgess, S., Bolster, A., **Leckie, G.**, Jones, K. and Johnston, R. (2007). The Impact of Neighbourhood on the Income and Mental Health of British Social Renters. *Urban Studies*, 44, 393-415.
- Propper, C., Damiani, M., **Leckie, G.** and Dixon, J. (2007). Impact of patients' socioeconomic status on the distance travelled for hospital admission in the English National Health Service. *Journal of Health Services Research & Policy*, 12, 153-159.

Articles Submitted to Peer Reviewed Journals:

- Baird, J.-A., **Leckie, G.** and Meadows, M. Monitoring of rater accuracy and theories of true score. *Submitted*.
- Leckie, G.** and Charlton, C. runmlwin - A Program to Run the MLwiN Multilevel Modelling Software from within Stata. *Submitted*.

Perlman, M., Lyon Amos, M., **Leckie, G.**, Steele, F. and Jenkins, J. Capturing the sequence of interaction between young siblings. *Submitted*.

Zammit, S., Gunnell, D., Lewis, G., **Leckie, G.**, Dalman, C. and Allebeck, P. Individual and area level influence on suicide risk: a multilevel longitudinal study of Swedish school children. *Submitted*.

Articles in Preparation for Peer Reviewed Journals:

von Hinke Kessler Scholder, S. and **Leckie, G.** The use of instrumental variables in peer effects models with group fixed effects. *In preparation*.

Articles in Non-Peer-Reviewed Journals:

Leckie, G. and Charlton, C. (2011). runmlwin: New software to run MLwiN from within Stata. *MethodsNews: Newsletter from the ESRC National Centre for Research*, Summer, 6.

Leckie, G., Pillinger, R., Jenkins, J. and Rasbash, J. (2010). School, family, neighbourhood: which is most important to a child's education? *MethodsNews: Newsletter from the ESRC National Centre for Research*, Summer, 4.

Leckie, G., Pillinger, R., Jenkins, J. and Rasbash, J. (2010). School, family, neighbourhood: which is most important to a child's education? *Significance*, 7, 67-72.

Leckie, G. and Goldstein, H. (2009). School league tables: Are they any good for choosing schools? *Research in Public Policy, Bulletin of the Centre for Market and Public Organisation*, 8, 6-9.

Goldstein, H. and **Leckie, G.** (2008). School league tables: what can they really tell us? *Significance*, 5, 67-69.

Ferrao, M., **Leckie, G.** and Goldstein, H. (2007). Measurement error in random coefficient multilevel models: an application to PLASC data. *56th Session of the ISI International Statistical Institute*. Lisboa.

Book Chapters:

Leckie, G. (2012). Cross-classified multilevel models using Stata: How important are schools and neighbourhoods for students' educational attainment? In Garson, D. (Ed.) *Hierarchical Linear Modeling: Guide and Applications*. Sage.

Propper, C. and **Leckie, G.** (2011). Increasing Competition Between Providers in Health Care Markets: The Economic Evidence. In Smith, P. and Glied, S. (Eds.) *Oxford Handbook of Health Economics*, 671-687. Oxford University Press, 671-687.

Encyclopaedia Entries:

Leckie, G. (2013). Cross-classified hierarchical linear modeling. In Michalos, A. C. (Ed.) *Encyclopaedia of Quality of Life Research*. Springer Reference. *Forthcoming*.

Leckie, G. (2013). Multiple membership models. In Michalos, A. C. (Ed.) *Encyclopaedia of Quality of Life Research*. Springer Reference. *Forthcoming*.

Consultancy Reports:

- Leckie, G.**, Royal-Dawson, L. & Baird, J.-A. (2009). Changes in the severity of marking as a function of number of scripts marked: Key stage 3 English writing summer 2008 quality assurance data. National Assessment Agency, 1-30.
- Royal-Dawson, L., **Leckie, G.** & Baird, J.-A. (2009). An operational report on item statistics for standardisation & benchmarking data - 2008 national curriculum tests. National Assessment Agency, 1-70.
- Royal-Dawson, L., **Leckie, G.** & Baird, J.-A. (2009). Marking reliability of the 2008 national curriculum tests. National Assessment Agency, 1-40.
(http://www.naa.org.uk/libraryAssets/media/marking_reliability_tests_2008.pdf).
- Fielding, A., Charlton, C., Kounali, D. & **Leckie, G.** (2008). Degree attainment, ethnicity and gender: Interactions and the modification of effects - A quantitative analysis. Higher Education Academy, 1-153.
(http://www.heacademy.ac.uk/assets/York/documents/ourwork/inclusion/ethnicity/EDA_Quantitative_Report_March08.pdf).

Statistical Software Packages:

- Leckie, G.** and Charlton, C. (2011). runmlwin: Stata module for fitting multilevel models in the MLwiN software package. Centre for Multilevel Modelling, University of Bristol.
(<http://www.bristol.ac.uk/cmm/software/runmlwin/>)

Online Training Materials:

- Leckie, G.** (2010). Module 3: Multiple Regression - Stata Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-43
(<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Leckie, G.** (2010). Module 5: Introduction to Multilevel Modelling - Stata Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-45
(<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Leckie, G.** (2010). Module 6: Regression Models for Binary Responses - Stata Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-42
(<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Leckie, G.** (2010). Module 7: Multilevel Models for Binary Responses - Stata Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-55
(<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Szmaragd, C. and **Leckie, G.** (2011). Module 3: Multiple Regression - R Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-54
(<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Szmaragd, C. and **Leckie, G.** (2011). Module 5: Introduction to Multilevel Modelling - R Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-42
(<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Szmaragd, C. and **Leckie, G.** (2011). Module 6: Regression Models for Binary Responses - R Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-45 (<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).
- Szmaragd, C. and **Leckie, G.** (2011). Module 7: Multilevel Models for Binary Responses - R Practical. *LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling*, 1-56 (<http://www.cmm.bris.ac.uk/lemma/course/view.php?id=13>).

Book Reviews:

Leckie, G. (2011). Book Review: Handbook of Advanced Multilevel Analysis, Edited by Hox, J. J. & Roberts, J. K. *Journal of the Royal Statistical Society: Series A*, 174, 844-845.

Leckie, G. (2009). Book Review: Handbook of Multilevel Analysis, Edited by De Leeuw, J. & Meijer, E. *Journal of the Royal Statistical Society: Series A*, 172, 694-695.

Conference Session Coordination:

November 2010 Rater effects - what the literature tells us and what we do not yet know about measuring examiner accuracy
Association for Educational Assessment (AEA) - Europe Conference, Oslo
Co-applicant with Professor Jo-Anne Baird

August 2010 School effects on pupil outcomes: quantitative methods and applications
British Educational Research Association (BERA) 2010 Annual Conference, Warwick.
Coordinator and chair

July 2010 Multilevel modelling – Methodology
4th ESRC Research Methods Festival, Oxford
Coordinator and chair

Invited Conference, Workshop and Seminar Presentations:

September 2011 CCSR Seminar Series, Manchester

September 2010 “Best paper session”. Royal Statistical Society Annual Conference, Brighton

July 2010 School League Tables and Measuring School Performance Conference, Oxford

June 2010 Summer Program in Data Analysis, York University, Toronto

June 2010 Value-Added Modelling Workshop, University of Colorado, Boulder, Colorado

October 2009 Royal Statistical Society South West Group Seminar, Plymouth

May 2009 Conference on methods and models for the evaluation of educational process, Rimini, Bologna

December 2007 General Applications Section Meeting, Royal Statistical Society, London

Contributed Conference, Workshop and Seminar Presentations:

July 2012 5th ESRC Research Methods Festival, Oxford

September 2011 UK Stata Users’ Group, 17th Meeting

June 2011 MUGS Seminar, Department of Social Medicine, University of Bristol

May 2011 Modern Modeling Methods (M3) Conference, University of Connecticut

May 2011 2011 American Sociological Association Spring Methodology Conference, Tilburg University

May 2011 The Social Research Association, London

April 2011	E-Stat Meeting, Bristol
March 2011	8th International Amsterdam Multilevel Conference, Amsterdam (×2)
November 2010	Association for Educational Assessment (AEA) - Europe Conference, Oslo (×2)
August 2010	British Educational Research Association (BERA) Annual Conference, Warwick
August 2010	EARLI Special Interest Group 18 Educational Effectiveness Conference, Leuven
July 2010	4 th ESRC Research Methods Festival, Oxford
June 2010	Department of Policy Analysis and Management, Cornell University
May 2010	Methodology Research Core Seminar, Institute for Health Research and Policy, University of Illinois at Chicago
May 2010	Berkeley Evaluation & Assessment Research Center Seminar, University of California, Berkeley
October 2009	PLASC User Group Workshop, Bristol
September 2009	Royal Statistical Society Annual Conference, Edinburgh
April 2009	7th International Amsterdam Multilevel Conference, Amsterdam
October 2008	Royal Statistical Society Avon Local Group Seminar, Bristol
June 2008	3 rd ESRC Research Methods Festival, Oxford
September 2007	16 th European Workshop on Econometrics and Health Economics, Bergen
January 2007	PLASC User Group Workshop, Bristol
January 2007	National Centre for Research Methods Annual Meeting, Manchester
November 2006	Association for Educational Assessment - Europe Conference, Naples
March 2006	CMPO Seminar, Department of Economics, University of Bristol

Multilevel Modelling Consultancy:

2011	Ofqual (1 day) <i>Stability of rater effects</i>
2009	The School of Education, University of Birmingham (4 days) <i>Multilevel modelling of doctors' interview scores</i>
2009	Centre for Multilevel Modelling (25 days) <i>Stata Practicals 3, 5, 6 and 7 for the LEMMA: Learning Environment for Multilevel Methodology and Applications online training system for multilevel modelling</i>
2009	National Assessment Agency (25 days) <i>Multilevel modelling of marking reliability of the 2008 national curriculum tests</i>
2008	Higher Education Academy (10 days) <i>Multilevel modelling of ethnic and gender differences in university degree attainment</i>

2007 Institute of Psychiatry, King's College London (6 days)
Multilevel modelling of the job satisfaction of colorectal cancer team members

Media Contributions and Coverage:

2012 BBC Radio 4 Analysis

2011 University of Bristol Nonesuch magazine, Autumn 2011

2010 ESRC Britain in 2010 magazine

2009 BBC website, ESRC Society Now magazine Issue 4 Summer 2009, The Financial Times, The Guardian, Public Finance magazine, The Telegraph, The Times Educational Supplement

2008 BBC Radio 4 The Learning Curve, The Guardian, The Telegraph

Multilevel Modelling Workshops:

August 2012 EARLI Special Interest Group 18 Educational Effectiveness, Pre-conference multilevel modelling workshop, Zurich (0.5 days)
Course Instructor

June 2012 Multilevel Modelling, Organisation for Economic Co-operation and Development (OECD), Paris (2 days)
Course Instructor

May 2012 Introduction to Multilevel Modelling, Health Services Research Institute (HSRI), Royal College of Surgeons in Ireland (RCSE), Trinity College Dublin & University College Cork, Dublin (2 days)
Course Instructor

April 2012 Introduction to Bayesian Multilevel Modelling (3 days)
University of Bristol
Course Instructor with Professor William Browne, Dr. Paul Clarke, Professor Kehryn Jones, Professor Fiona Steele

2010, 2011, 2012 Introduction to Multilevel Modelling in MLwiN (3 days each)
University of Bristol
Course Instructor with Professor William Browne, Professor Kehryn Jones, Professor Fiona Steele and Rebecca Pillinger

2008, 2009, 2010, 2011, 2012 Multilevel Modelling (2 days each)
Royal Statistical Society, London
Course Instructor with Professor Harvey Goldstein

September 2011 Research Workshop in Multilevel Modelling using MLwiN (3 days)
University of Bristol
Course Instructor with Professor William Browne, Professor Kehryn Jones, Professor Fiona Steele, Rebecca Pillinger and Mark Lyon Amos

April 2011 Introduction to Multilevel Modelling in Stata (2 days)
Queen's University, Belfast
Course Instructor with Professor Fiona Steele and Dr Mark McCann

2010, 2011	Longitudinal Data Analysis: Multilevel Modelling and Structural Equation Modelling Approaches (2 days each) University of Bristol <i>Course Instructor with Professor Fiona Steele, Dr Kate Tilling and Dr Jon Heron</i>
May 2010	Multilevel Modelling using MLwiN (4 days) University of Cincinnati, Ohio <i>Course Instructor with Dr SV Subramanian</i>
2007, 2008, 2009	Various Multilevel Modelling in MLwiN Workshops (3 days each) University of Bristol <i>Teaching Assistant for Professor Kehyn Jones, Professor Jon Rasbash and Professor Fiona Steele</i>
December 2007	Multilevel Analysis (3 days) Katholieke Universiteit, Brussel <i>Teaching Assistant for Professor Kehyn Jones</i>
June 2007	Multilevel Analysis: Practical Applications (10 days) Essex Summer School, University of Essex <i>Teaching Assistant for Professor Kehyn Jones</i>

PhD Teaching on the ESRC South-West Doctoral Training Centre (Bath, Bristol and Exeter):

March 2012	PhD Multiple Regression (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>
February 2012	PhD Multilevel Modelling (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>
November 2011	PhD Introduction to Stata (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>

PhD Teaching:

2007 – 2008	PhD Stata for Economics and Econometrics Research Students Department of Economics, University of Bristol <i>Unit leader</i>
2005 – 2008	MSc Introduction to Microeconomic Methods Department of Economics, University of Bristol <i>Unit tutor</i>
2005 – 2008	MSc Quantitative Methods in Economics Department of Economics, University of Bristol <i>Unit tutor</i>

PhD Students:

2011 – 2014	Dewi Owen. How segregation has changed in England during the first decade of the twenty first century. <i>Second supervisor</i>
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MSc Teaching:

March 2012 MSc Regression Analysis in Social Science
Graduate School of Education, University of Bristol
Unit leader

Referee Reports for Research Council Grant Proposals:

Economic and Social Research Council (ESRC) Statistics, Methods and Computing
The Leverhulme Trust
Research Council Katholieke Universiteit Leuven, 2012
National Science Foundation (NSF) Methodology, Measurement, and Statistics
National Health Service (NHS) National Institute for Health Research (NIHR) Public Health Research programme
Research Grants Council, Hong Kong

Referee Reports for Peer Reviewed Journals:

Assessment in Education: Principles, Policy & Practice (×2)
British Journal of Mathematical and Statistical Psychology
Economics and Human Biology
Effective Education (×2)
Fiscal Studies
Health Economics (×3)
Journal of Applied Statistics
Journal of Economic Geography
Journal of Educational and Behavioral Statistics
Journal of the Royal Statistical Society: Series A (×6)
Journal of the Royal Statistical Society: Series C
Multivariate Behavioral Research
Psychological Methods
Sociological Methods and Research

Other Referee Reports:

Economic and Social Research Council (ESRC) Advanced Quantitative Methods Enhanced Stipend Assessment, 2011

Book chapter review for Sage

Abstract reviewer for Research Methodology in Education SIG at British Educational Research Association (BERA) 2011 Annual Conference

Other Professional Activities

2011 – Member of steering committee for the Royal Statistical Society's Professional Development Centre

Affiliations:

Member of the British Educational Research Association

Research Associate, CMPO, Department of Economics, University of Bristol

Research Associate, Department of Economics, University of York

Fellow of the Royal Statistical Society

Honours and Awards:

2010 Co-author of "best paper" for Journal of the Royal Statistical Society: Series A

2010 Runner-up for AEA-Europe New Assessment Researcher Award

2009 Outstanding reviewer award for Journal of Educational and Behavioral Statistics

2005 – 2008 ESRC Postgraduate Studentship linked to the Centre for Multilevel Modelling

2003 Miles Fleming Prize in Economics

2002 Barclays Capital Mathematics Award

References:

Professor Harvey Goldstein FBA
Centre for Multilevel Modelling, University of Bristol, 2 Priory Road, Bristol BS8 1TX
h.goldstein@bristol.ac.uk

Professor Fiona Steele FBA OBE
Centre for Multilevel Modelling, University of Bristol, 2 Priory Road, Bristol BS8 1TX
fiona.steele@bristol.ac.uk

Professor Carol Propper CBE
The Centre for Market and Public Organisation, University of Bristol, 2 Priory Road. Bristol BS8 1TX
carol.propper@bristol.ac.uk