

Professor George Leckie - Curriculum Vitae

Centre for Multilevel Modelling (CMM), School of Education (SoE), University of Bristol
35 Berkeley Square, Bristol, BS8 1JA, United Kingdom;
0044 117 33 14215; g.leckie@bristol.ac.uk; bristol.ac.uk/cmm/team/leckie.html

Academic positions:

2019 – Professor of Social Statistics
2016 – 2019 Reader in Social Statistics
2013 – 2016 Senior Lecturer in Social Statistics, SoE, University of Bristol
2010 – 2013 Lecturer in Social Statistics, GSOE, University of Bristol
2009 – 2010 Research Associate, Centre for Multilevel Modelling, University of Bristol
2008 – 2009 Research Assistant, Centre for Market and Public Organisation, University of Bristol

Other positions:

2015 – Co-Director Centre for Multilevel Modelling, University of Bristol
2017 – 2019 Associate Editor for *Journal of the Royal Statistical Society: Series A (Statistics in Society)*
2014 – 2017 Associate Professor (status-only), Grad. Dept. of Applied Psychology, Uni. Toronto

Academic qualifications:

2005 – 2008 PhD, Education, University of Bristol (Supervised by Professor Harvey Goldstein)
2003 – 2004 MSc in Economics and Econometrics, University of Bristol (Distinction)
2000 – 2003 BSc in Economics, University of Bristol (1st Class)

Honours and awards (selected):

2017 Royal Statistical Society Frances Wood Medal *for contributions to social statistics*

Research grants (P-I on 2 grants totalling £650,000 and Co-I on 8 grants totalling £5 million; grant funded for 40% of my time during the 11-year period October 2010 - September 2021):

2018 – 2021 How should we measure school performance and hold schools accountable? ESRC Standard Grant, **£467,000**. ES/R010285/1. *Principal-Investigator* (30% FTE).
2018 – 2021 Multilevel Analyses of Individual Heterogeneity: innovative concepts and methodological approaches in Public Health and Social Epidemiology, Swedish Research Council, **£436,900**. 2017-01321. *Co-Investigator* (12.5% FTE).
2016 – 2019 Modelling within-individual variation in repeated continuous exposures, MRC-NIHR Methodology Research Programme, **£398,000**. MR/N027485/1. *Co-Investigator* (2.5% FTE).
2013 – 2016 eBooks: The use of interactive electronic-books in the teaching and application of modern quantitative methods in the social sciences, ESRC, **£786,000**. ES/K007246/1. *Co-Investigator* (5% FTE).
2013 – 2015 Multilevel modelling of the Government's new school performance measures, 'Floor Standards' Target and 'Narrowing the Gap' Priority, ESRC Future Research Leaders scheme, **£207,000**. ES/K000950/1. *Principal-Investigator* (60% FTE).
2011 – 2014 LEMMA 3: Longitudinal effects, multilevel modelling and applications, ESRC NCRM node, **£1,394,000**. RES-576-25-0032. *Co-Investigator* (20% FTE).
2009 – 2012 e-STAT: National Centre for E-social Science Quantitative Node, ESRC, **£1,100,000**. RES-149-25-1084. *Co-Investigator* (20% FTE in Year 3)
2008 – 2011 STRUCTURES for building, learning, applying and computing statistical models, ESRC National Centre for Research Methods node, **£1,200,000**. RES-576-25-0003. *Co-Investigator* (20% FTE in Year 3)

Peer-reviewed journal articles (selected; overall Google Scholar Citations = 1743 at 12/07/19):

Leckie, G. and Goldstein, H. (2019). The importance of adjusting for pupil background in school value-added models. *British Educational Research Journal*, 45, 518-537.

- Leckie, G.** (2018). Avoiding bias when estimating the consistency and stability of value-added school effects using multilevel models. *Journal of Educational and Behavioral Statistics*, 43, 440-468.
- Leckie, G., & Goldstein, H.** (2017). The evolution of school league tables in England 1992-2016. *British Educational Research Journal*, 43, 193-212.
- Leckie, G. and Goldstein, H.** (2015). A multilevel modelling approach to measuring changing patterns of ethnic composition and segregation among London secondary schools, 2001-2010. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 178, 405-422.
- Leckie, G., French, R., Charlton, C., and Browne, W.** (2014). Modeling heterogeneous variance components in two-level models. *Journal of Educational and Behavioral Statistics*, 39, 307-332.
- Leckie, G. and Charlton, C.** (2013). runmlwin - A program to run the MLwiN multilevel modelling software from within Stata. *Journal of Statistical Software*, 52 (11), 1-40.
- Leckie, G., Pillinger, R., Jones, K. and Goldstein, H.** (2012). Multilevel modelling of social segregation. *Journal of Educational and Behavioral Statistics*, 37, 3-30.
- 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). Understanding uncertainty in school league tables. *Fiscal Studies*, 32, 207-224.
- 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 (Statistics in Society)*, 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 (Statistics in Society)*, 172, 835-851.

Co-authored peer-reviewed journal articles (selected journals listed):

Assessment in Education: Principles, Policy & Practice; British Educational Research Journal; Criminology; Developmental Psychology; Journal of Child Psychology and Psychiatry; Journal of Statistical Computation and Simulation; Journal of the Royal Statistical Society: Series A; Journal of Statistical Software; Migration Studies; Social Networks; Social Science and Medicine: Population Health; Statistics in Medicine; Statistical Methods in Medical Research.

Conference keynote lectures (over 30 other invited conference/seminar presentations):

- 2018 EARLI Special Interest Group - Educational Effectiveness. Groningen.
- 2015 Austrian Statistics Days. Vienna.
- 2009 Methods and models for the evaluation of educational process. Rimini.

Multilevel modelling short courses (over 50 invited short courses across 10 countries):

Bamberg, Belfast, Brisbane, Bristol, Brussels, Cincinnati, Dublin (Centre for Longitudinal Studies in Ireland), Dublin (Eurofound), Dublin (Royal College of Surgeons), Dublin (University College Dublin), Essex, Ghent, Giessen, Groningen, Malmo, Oxford, London (Royal Statistical Society), Paris (Organisation for Economic Cooperation and Development), Sydney, Tuebingen, Zurich.

External advisory work (selected):

Bulgarian Ministry of Education; Colombian Evaluation Institute; Higher Education Academy; Home Office; National Assessment Agency; National Institute for Educational Measurement, Slovak Republic; Pearson Education; RAND Europe; The Times and Sunday Times; World Bank.

Other external professional activities (selected):

- 2019 Member of ESRC Steered Studentship Assurance Checking virtual panel
- 2017 – Members of OfS Learning Gain Expert Group & Benchmarking Review Group
- 2017 Member of ESRC commissioning panel for NCRM Phase II Call 2017
- 2014 – Co-organiser of DfE National Pupil Database User Group
- 2011 – 2015 Member of Royal Statistical Society's Social Statistics & Prof. Dev. committees
- 2008 – Visiting positions: Cornell; QUT Brisbane; Malmo; IOE; VU Amsterdam; York