

Professor George Leckie - Curriculum Vitae

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Academic positions:

August 2019 –	Full Professor of Social Statistics Centre for Multilevel Modelling and School of Education University of Bristol
2016 – 2019	Associate Professor: Reader in Social Statistics Centre for Multilevel Modelling and School of Education University of Bristol
2013 – 2016	Assistant Professor: Senior Lecturer in Social Statistics Centre for Multilevel Modelling and Graduate School of Education University of Bristol
2010 – 2013	Assistant Professor: Lecturer in Social Statistics Centre for Multilevel Modelling and Graduate School of Education University of Bristol
2009 – 2010	Research Associate Centre for Multilevel Modelling and Graduate School of Education University of Bristol
2008 – 2009, 2004 – 2005	Research Assistant Centre for Market and Public Organisation, Department of Economics University of Bristol

Other positions:

2024 –	Education Policy Institute (EPI) Affiliate. <i>Invited by CEO, Natalie Perera.</i>
2023 –	Hub affiliated member of Advanced Quantitative Research in Education, Moray House School of Education and Sport, University of Edinburgh
2022 –	ADR UK Ambassador <i>for increasing and improving the use of administrative data in academia for research to inform policy</i>
2015 –	Co-Director Centre for Multilevel Modelling, University of Bristol
2021 –	School Academic Integrity Officer, School of Education, University of Bristol

2018 – Pathway co-lead for MSc Education (Open pathway), School of Education, University of Bristol

Previous positions:

2019 – 2021 School Examinations and Plagiarism Officer, School of Education, University of Bristol

2017 – 2019 Associate Editor for Journal of the Royal Statistical Society, Series A

2014 – 2017 Associate Professor (status-only), Graduate Department of Applied Psychology and Human Development, University of Toronto

Visiting positions:

2018 – 2021 Guest researcher, Research Unit of Social Epidemiology, Faculty of Medicine, Lund University

2015 Visiting Fellow (2 months)
Faculty of Education, Queensland University of Technology, Brisbane

2013, 2014 Visiting Fellow (2 days a week for 8 months; 2 days a week for 2 months)
Department of Quantitative Social Science, UCL Institute of Education, London

2011 – 2014 Visiting Academic (2 days a week)
Department of Economics and Related Studies, University of York, York

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

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

Academic qualifications:

2005 – 2008 PhD in Education, *Multilevel modelling of school differences in educational achievement*
University of Bristol
Supervised by Harvey Goldstein and Simon Burgess
Funded via ESRC studentship (PTA-042-2005-00012) linked to ESRC grant (RES-576-25-5006)

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

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

Honours and awards:

2024	Nominated in the Bristol Teaching Awards (BTAs) in the award category: Inspiring And Innovative Teaching Award (×2)
2023	Longlisted for 2023 NCRM Impact Prize for joint work with UCAS. <i>While not a winner, we were named as one of the “special mentions for researchers and teams who stood out during the review process”</i>
2023	A “Top Downloaded Article 2021-2022” in Review of Education.
2023	Nominated in the Bristol Teaching Awards (BTAs) in the award category: Outstanding Research Supervision Award
2023	Nominated in the Bristol Teaching Awards (BTAs) in the award category: Team award for School of Education Postgraduate Quantitative Methods Teaching Team. <i>Nomination resulted in shortlisting to final three in university to be selected by the PVC Education and Vice-Chancellor.</i>
2023	A “Top Cited Article 2021-2022” in Review of Education
2021	Nominated in the Bristol Teaching Awards (BTAs) in the award category: Inspiring and Innovative Teaching Award (×3); Outstanding Personal Tutoring Award (×1). <i>Nominations did not result in an award.</i>
2020	Top 10% most cited paper in BERJ 2019
2020	Shortlisted and interviewed by ESRC for ESRC Celebrating Impact Prize 2020: ‘Outstanding public policy impact’ category. <i>Interview did not result in an award.</i>
2019	BERA Public Engagement and Impact Award: Individual prize
2019	Top 20 most read paper in British Educational Research Journal 2017-2018
2019	Top 10% most cited paper in PLOS ONE 2016
2019	Top 20 most read paper in Criminology 2017-2018
2018	Winner of 2018 BERJ Editors’ Choice Award
2018	American Education Research Association (AERA) International Travel Award
2018	Nominated for Bristol Teaching Awards: Outstanding Teaching award. <i>Nomination did not result in an award.</i>
2017	Royal Statistical Society Frances Wood Medal <i>for outstanding contribution to Social Statistics</i>
2017	Nominated by University of Bristol for Philip Leverhulme Prize in Sociology and Social Policy. <i>Nomination did not result in an award.</i>
2012	Runner-up for the Jon Rasbash Prize for Quantitative Social Science

- 2010 Co-author of 'best paper' for *Journal of the Royal Statistical Society: Series A*
(*Statistics in Society*)
- 2010 Runner-up for AEA-Europe New Assessment Researcher Award
- 2009 Outstanding reviewer award: Journal of Educational and Behavioral Statistics
- 2003 Miles Fleming Prize in Economics
- 2002 Barclays Capital Mathematics Award

RESEARCH**Research grants as PI or Co-I**

(P-I on 3 grants totalling £1 million and Co-I on 12 grants totalling over £7 million; grant funded for 40% of my time during the 14-year period October 2010 - September 2024):

- October 2024 – September 2027 "Parallel Lives" 20 Years On: Identifying the Drivers of Interethnic Contact in the UK. ESRC Standard Grant. **£615,000**. ES/Y005503/1.
Co-Investigator (5% FTE).
- May 2024 - January 2025 'Effect of parenting engagement on research productivity: A comparison of behaviours and career cost pre- to post-pandemic' UKRI ESRC - Innovation & Research Caucus. **£34,860**
Co-Investigator (not costed) (0.1% FTE)
- September 2023 - August 2026 Understanding intersectionality: developing intersectional quantitative methods, with applications to health inequalities and social mobility. ESRC Embedding methodological development in social science research: 2022. **£827,000**. ES/X011313/1.
Co-Investigator (10% FTE).
- April 2022 – March 2024 The 2020 GCSE and A-level 'exam grades fiasco': A secondary data analysis of students' grades and Ofqual's algorithm. ESRC Secondary Data Analysis Initiative, **£299,000**. ES/W000555/1.
Principal-Investigator (35% FTE).
- October 2018 – March 2022 How should we measure school performance and hold schools accountable? A study of competing statistical methods and how they compare to Progress 8, ESRC Standard Grant, **£467,000**. ES/R010285/1.
Principal-Investigator (30% FTE).
- January 2018 – December 2021 Multilevel Analyses of Individual Heterogeneity: innovative concepts and methodological approaches in Public Health and Social Epidemiology, Vetenskapsrådet (VR), Swedish Research Council, **£437,000**. 2017-01321. https://www.vr.se/english/swecris.html#/project/2017-01321_VR
Co-Investigator (12.5% FTE).
- July 2017 – December 2019 Modelling within-individual variation in repeated continuous exposures, MRC-NIHR Methodology Research Programme, **£398,000**. MR/N027485/1.
Co-Investigator (2.5% FTE).
- April 2013 – March 2018 The development of cooperation in relationships: Protective processes for children vulnerable to mental health problems, Canadian Institute of Health Research (CIHR), **£274,000**.
Co-Investigator (not costed).
- March 2012 – February 2018 The impact of family relationships on children's developmental health: Child versus context effects, Canadian Institute of Health Research, **£50,000**.
Co-Investigator (not costed).
- October 2013 – September 2017 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).

- January 2013 – December 2015 Multilevel modelling of the Government's new school performance measures, 'Floor Standards' Target and 'Narrowing the Gap' Priority, ESRC Future Research Leaders grant, **£207,000**. ES/K000950/1.
Principal-Investigator (60% FTE).
- October 2011 – September 2014 LEMMA 3: Longitudinal effects, multilevel modelling and applications, ESRC National Centre for Research Methods node, **£1,394,000**. RES-576-25-0032.
Co-Investigator (20% FTE).
- October 2009 – September 2012 e-STAT: National Centre for E-social Science Quantitative Node, ESRC Digital Social Research node, **£1,100,000**. RES-149-25-1084.
Co-Investigator (20% FTE in year 3).
- October 2008 – September 2011 LEMMA 2: 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).

Research grants: Post-doctoral fellowships as Mentor

- October 2024-
September 2026 Intersectional variation in UK education and health: exploring biosocial pathways of intra- and inter-generational inequalities. ESRC New Investigator. **£272,000.**
Mentor to Dr Lucy Prior.
- October 2024-
September 2027 School Value Added Models, Measurement Error and Phantom Composition Effects, and IRT models. The Research Foundation – Flanders (FWO) - Postdoctoral fellowship, **£305,000.**
Co-Supervisor at 2.5% FTE (uncosted) to Dr Elodie Pools.
- October 2024 –
March 2026 Educational outcomes after paediatric brain injuries and the role of special educational needs support. ESRC ADR UK Fellowship. **£194,000.**
Specialist/Mentor (3% FTE) to Dr Hope Kent.

Research grants: PhD-projects as Mentor

June 2023 – May 2027 The role of sample characteristics in the stability of value-added estimates of school effects: sample size, student mobility and sample heterogeneity. The Research Foundation – Flanders (FWO) - Senior research projects fundamental research, **£200,000**. G023823N.
***Co-Investigator* (not costed) (2.5% FTE).**

Rejected research grants!

October 2025- September 2030	A Novel Multilevel Modelling Framework for Improved Investigation of Intersectional Inequalities and Beyond. ERC Advanced Grant. £2,079,700. <i>Principal-Investigator (50% FTE).</i>
February 2025- January 2030	ENDEVOUR: Exploring Neurodivergence in Education: A Longitudinal Mixed-methods Study on its Influences, Impacts, and Contextual Changes. ERC Starter Grant. £1,570,388. <i>Co-Investigator (10% FTE).</i>
October 2024 - September 2026	Multilevel models for heterogeneous associations and effects in medical research. Medical Research Council. £614,532. <i>Co-I (Project co-lead) at 5% FTE.</i>
December 2023 - August 2024	Effect of parenting engagement on research productivity: A comparison of behaviours and career cost pre- to post-pandemic. UK Research and Innovation and The British Academy Equality Diversity and Inclusion Caucus (EDICa) Flexible Fund. £34,860. <i>Co-Investigator (not costed).</i>
December 2022 - November 2024	Together, Apart: Exploring the Drivers of Intergroup Contact Engagement, ESRC Secondary Data Analysis Initiative, £298,967. R210710. <i>Co-Investigator (2.5% FTE).</i>
January 2022 – December 2025	Analysing Health Inequalities: Intersectional Multilevel Analyses of Individual Heterogeneity and Discriminatory Accuracy (MAIHDA), Vetenskapsrådet (VR), Swedish Research Council, £850,000. <i>Co-Investigator (20% FTE).</i>
May 2021 – April 2025	The role of sample characteristics in the stability of value-added estimates of school effects: sample size, student mobility and sample heterogeneity, The Research Foundation – Flanders (FWO) - Senior research projects fundamental research, £181,000. <i>Co-Supervisor (not costed).</i>
January 2022 – September 2023	Mapping intergenerational mobility as a post-degree outcome. £88,604. Nuffield. <i>Co-Investigator (10% FTE).</i>
September 2021 – August 2025	Strengthening schools to optimise adolescent mental health and mental wellbeing. £2,912,278. MR/V049453/1. MRC Call for Research Programmes - Adolescence, Mental Health and the Developing Mind. <i>Statistical Consultant (5% FTE Years 2-4).</i>
September 2020 – August 2023	Multilevel modelling of linked administrative datasets to inform university accountability, student choice and map social mobility. £292,306. ESRC New Investigator. ES/V00235X/1. <i>Co-Investigator (10% FTE).</i>
March 2020 – February 2022	Conceptualising and modelling educational trajectories and mobilities in neighbourhoods and schools. Nuffield Foundation. £215,362. <i>Co-Investigator (10% FTE).</i>

January 2019 – December 2021	Professional learning in early years evaluation (PLEYE). EEF. £602,660. <i>Statistical Consultant</i> (costed for 5 days).
October 2017 – September 2018	Sociology and Social Policy. Phillipe Leverhulme. £100,000. Prize applicant.
January 2017 – December 2019	Borrowing Strength - A Statistical Tool Kit for Small Area Estimation. ESRC. £825,375. ES/P000940/1. <i>Co-Investigator</i> (10% FTE).
October 2016 – September 2021	M2D2: Multilevel Modelling of Dyadic Data: New Methods, Software and Applications. £1,475,057. ERC Starter Grant. <i>Principal-Investigator</i> (55% FTE).
October 2014 – September 2019	Centre for Market and Public Organisation (CMPO). £5,101,741. ESRC Centres and Large Grants Outline Competition 2013-14. ES/L005964/1. <i>Co-Investigator</i> (10% FTE).
October 2012 – September 2017	GLOBAL GOOD : The Effectiveness of Good Policy and Good Governance: A Global Analysis. ERC Synergy Grant. £14,830,720. <i>Co-Investigator</i> (5% FTE).

Consultancy

2024	HMC. The Heads' Conference. Invitation to tender, <i>Declined</i> .
2022-23	Crime and Policing Analysis Unit, Home Office Science, £21,000, <i>Co-investigator</i>
2021	Crime and Policing Analysis Unit, Home Office Science, £41,500, <i>Co-investigator</i>
2017	Crime and Policing Analysis Unit, Home Office Science, £45,000, <i>Co-investigator</i>
2008-09	National Assessment Agency, <i>Co-investigator</i>

Other grants and travel funds

2023-2027	ESRC ADR UK PhD Studentship at University of Bristol: Educational research using linked administrative data, £96,000
2018	School of Education Travel Fund, £1,500 per application
2016 - 2018	DfE National Pupil Database User Group, £5,000, <i>Co-organiser</i>
2017	Graduate School of Education Travel Fund, £1000 per application
2013, 2014, 2016	Graduate School of Education Travel Fund, £750 per application
2011, 2013	Faculty of Social Science and Law (FSSL) Travel Fund, £750 per application
2005 – 2008	ESRC Postgraduate Studentship linked to the Centre for Multilevel Modelling

Research Excellence Framework 2029: Education Unit of Assessment: Candidate publications.

- Gallo Cordoba, B., **Leckie, G.**, Browne, W. J. (2022). Decomposing ethnic achievement gaps across multiple levels of analysis and for multiple ethnic groups: A mediation approach. *Sociological Methodology. Forthcoming.*
- Heck, R., Reed, T., **Leckie, G.** (2022). Incorporating Student Mobility in Studying Academic Growth in Math: Comparing Several Alternative Multilevel Formulations. *School Effectiveness and School Improvement. Forthcoming.*
- French, R., Sariaslan, A., Larsson, H., Kneale, D. & **Leckie, G.** Estimating the importance of families in modeling educational achievement using linked Swedish administrative data. *Journal of Research on Educational Effectiveness. Forthcoming.*
- Leckie, G.** & Maragkou, K. (2024). Student Sociodemographic and School Type Differences in Teacher-Predicted vs. Achieved Grades for University Admission. *Higher Education. Forthcoming.* 10.1007/s10734-024-01217-x.
- Leckie, G.** and Prior, L. A Comparison of Value-Added Models for School Accountability. *School Effectiveness and School Improvement.* DOI: 10.1080/09243453.2022.2032763. *Forthcoming*
- Leckie, G.**, Parker, R., Goldstein, H., & Tilling, K. Mixed-effects location scale models for joint modeling school value-added effects on the mean and variance of student achievement. *Journal of Educational and Behavioral Statistics. Forthcoming.*
- Prior, L., & **Leckie, G.** School differences on whether and where students apply to university. *British Journal of Sociology of Education, Forthcoming.* <https://doi.org/10.1080/01425692.2023.2244177>.
- Prior, L., & **Leckie, G.** Student mobility: extent, impacts, and predictors of a range of movement types for secondary school students in England. *British Educational Research Journal. Forthcoming.* DOI: 10.1002/berj.3807.
- Prior, L. J., Goldstein, H., **Leckie, G.** School value-added models for multivariate academic and non-academic outcomes: Exploring implications for performance monitoring and accountability. *School Effectiveness and School Improvement. Forthcoming.* DOI: 10.1080/09243453.2021.1919719.
- Prior, L., Jerrim, J., Thomson, D., **Leckie, G.** (2021). A review and evaluation of secondary school accountability in England: Statistical strengths, weaknesses, and challenges for 'Progress 8' raised by COVID-19. *Review of Education. Forthcoming.* DOI: <http://doi.org/10.1002/rev3.3299>.

Research Excellence Framework 2021: Education Unit of Assessment: Publications

UOB Education Unit of Assessment (UOA) was overall ranked second in the country in terms of outputs.

- Baird, J.-A., Meadows, M., **Leckie, G.**, Caro, D. (2017). Rater Accuracy and Training Group Effects in Expert and Supervisor-Based Monitoring Systems. *Assessment in Education: Principles, Policy & Practice*, 24, 44-59. DOI: 10.1080/0969594X.2015.1108283. *Scored 4* in internal review (11 on 13 point scale). This article was also submitted by University of Oxford – Education.*
- Leckie, G.**, Browne, W., Goldstein, H., Merlo, J., Austin, P. (2020). Partitioning variation in multilevel models for count data. *Psychological Methods*, 25(6):787-801. DOI: 10.1037/met0000265. *Scored 4* in internal review (12 on 13 point scale).*
- Leckie, G.**, & 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. DOI: 10.1111/rssa.12066. *Scored 4* in internal review (11 on 13 point scale).*
- Leckie, G.**, & Goldstein, H. (2017). The evolution of school league tables in England 1992-2016: ‘contextual value-added’, ‘expected progress’ and ‘progress 8’. *British Educational Research Journal*, 43, 193-212. DOI: 10.1002/berj.3264. *Scored 4* in internal review. Winner of 2018 BERJ Editors’ Choice Award. Top 20 most read paper in British Educational Research Journal 2017-2018. Scored 4* in internal review (11 on 13-point scale).*
- Leckie, G.** and Goldstein, H. (2019) The importance of adjusting for pupil background in school value-added models: A study of Progress 8 and school accountability in England. *British Educational Research Journal*, 45, 518-537. DOI: 10.1002/berj.3511. *Among the top 10% most downloaded papers published in 2018 and 2019. Scored 4* in internal review (12 on 13-point scale).*

**Research Excellence Framework 2021: Other Universities and Units of Assessments:
Publications**

University of Bristol – Education

Leckie, G., French, R., Charlton, C., & Browne, W. (2014). Modeling heterogeneous variance-covariance components in two-level models. *Journal of Educational and Behavioral Statistics*, 39, 307-332. DOI: 10.3102/1076998614546494. *Scored 4* in UOB internal review (12 on 13-point scale).*

University of Bristol - Geography and Environmental Studies.

Zhang, N., Wang, W., Harris, R., & **Leckie, G.** (2020). Analysing inter-provincial urban migration flows in China: A new multilevel gravity model approach. *Migration Studies*, 8, 19-42. DOI: 10.1093/migration/mny026.

University of Oxford – Education

Baird, J.-A., Meadows, M., **Leckie, G.**, Caro, D. (2017). Rater Accuracy and Training Group Effects in Expert and Supervisor-Based Monitoring Systems. *Assessment in Education: Principles, Policy & Practice*, 24, 44-59. DOI: 10.1080/0969594X.2015.1108283. *Scored 4* in UOB internal review (11 on 13-point scale).*

University of Southampton - Social Work and Social Policy

Brunton-Smith, I., Sturgis, P., & **Leckie, G.** (2018). How collective is collective efficacy? The importance of consensus in judgments about community cohesion and willingness to. *Criminology*, 56, 608-637. DOI: 10.1111/1745-9125.12180. *Top 20 most read paper in Criminology 2017-2018.*

The London School of Economics and Political Science - Mathematical Sciences

Steele F., Clarke, P., **Leckie, G.**, Allan, J., & Johnston, D. (2017). Multilevel structural equation models for longitudinal data where predictors are measured more frequently than outcomes: An application to the effects of stress on the cognitive function of nurses. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 180, 263-283. DOI: 10.1111/rssa.12191.

The London School of Economics and Political Science - Social Work and Social Policy

Brunton-Smith, I., Sturgis, P., & **Leckie, G.** (2018). How collective is collective efficacy? The importance of consensus in judgments about community cohesion and willingness to. *Criminology*, 56, 608-637. DOI: 10.1111/1745-9125.12180. *Top 20 most read paper in Criminology 2017-2018.*

The University of Bath - Psychology, Psychiatry and Neuroscience

Diedrichs, P. C., Atkinson, M. J., Garbett, K. M., Williamson, H., Halliwell, E., Rumsey, N. **Leckie, G.**, Sibley, C. G., & Barlow, F. K. (2016) Randomised controlled trial of an online mother-daughter body image and well-being intervention. *Health Psychology*, 35, 996-1006. DOI: 10.1037/hea0000361.

The University of Essex - Public Health, Health Services and Primary Care

Steele F., Clarke, P., **Leckie, G.**, Allan, J., & Johnston, D. (2017). Multilevel structural equation models for longitudinal data where predictors are measured more frequently than outcomes: An application to the effects of stress on the cognitive function of nurses. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 180, 263-283. DOI: 10.1111/rssa.12191.

The University of Surrey - Sociology

Brunton-Smith, I., Sturgis, P., & **Leckie, G.** (2018). How collective is collective efficacy? The importance of consensus in judgments about community cohesion and willingness to. *Criminology*, 56, 608-637. DOI: 10.1111/1745-9125.12180. *Top 20 most read paper in Criminology 2017-2018.*

University of the West of England, Bristol - Allied Health Professions, Dentistry, Nursing and Pharmacy

Diedrichs, P. C., Atkinson, M. J. Garbett, K. M., Williamson, H., Halliwell, E., Rumsey, N. **Leckie, G.**, Sibley, C. G., & Barlow, F. K. (2016) Randomised controlled trial of an online mother-daughter body image and well-being intervention. *Health Psychology*, 35, 996-1006. DOI: 10.1037/hea0000361.

University of the West of England, Bristol - Social Work and Social Policy

Diedrichs, P. C., Atkinson, M. J. Garbett, K. M., Williamson, H., Halliwell, E., Rumsey, N. **Leckie, G.**, Sibley, C. G., & Barlow, F. K. (2016) Randomised controlled trial of an online mother-daughter body image and well-being intervention. *Health Psychology*, 35, 996-1006. DOI: 10.1037/hea0000361.

Research Excellence Framework 2021: Education and Mathematical Sciences Unit of Assessments (UoAs): Submitted impact case studies

Education: Thomas, S., **Leckie, G.** and Goldstein, H. Bristol research leads to better ways of evaluating schools thereby promoting learning, achievement and improvement in the UK and internationally. *First authored three of the six underpinning pieces of research (co-authored a fourth) and was involved in impact work leading to eight of the 10 sources to corroborate impact. Scored 4* in faculty-level internal review. Scored 4* in actual REF 2021 according to school-level internal review official results and feedback.*

Education: Browne, W. J., Goldstein, H., Charlton, C., **Leckie, G.**, Washbrook, E. Multilevel modelling software development and training leads to improved use of quantitative methods and statistical techniques to address educational, economic and social policy questions by Public Sector & Government Services in UK and internationally. *First authored one of the six underpinning pieces of research and was involved in impact work leading to four of the 10 sources to corroborate impact. Scored 4* in faculty-level internal review. Scored 4* in actual REF 2021 according to school-level internal review official results and feedback.*

Mathematical Sciences: Browne, W. J., Goldstein, H., Charlton, C., **Leckie, G.**.. Extension of 2014 MLwiN impact case study

Research Excellence Framework 2014: Education Unit of Assessment: Publications

- Leckie, G.,** Pillinger, R., Jones, K., & Goldstein, H. (2012). Multilevel modelling of social segregation. *Journal of Educational and Behavioral Statistics*, 37, 3-30. DOI: 10.3102/1076998610394367.
- Leckie, G.,** & 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. DOI: 10.1111/j.1745-3984.2011.00152.x.
- Rasbash, J., **Leckie, G.,** Pillinger, R., & Jenkins, J. (2010). Children's educational progress: partitioning family, school and area effects. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 173, 657-682. DOI: 10.1111/j.1467-985X.2010.00642.x.
- Leckie, G.,** & 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. DOI: 10.1111/j.1467-985X.2009.00597.x.

Research Excellence Framework 2014: Other Universities and Units of Assessments:
Publications

University of Bristol: Geography

Leckie, G., Pillinger, R., Jones, K., & Goldstein, H. (2012). Multilevel modelling of social segregation. *Journal of Educational and Behavioral Statistics*, 37, 3-30. DOI: 10.3102/1076998610394367.

University of Oxford: Education

Leckie, G., & 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. DOI: 10.1111/j.1745-3984.2011.00152.x.

Research Excellence Framework 2014: Education Unit of Assessment: Impact case studies

Education: Bristol research leads to better ways of evaluating schools and promoting learning, achievement and improvement in the UK and internationally. *First authored one of the six underpinning research and was involved in work leading to three of the 10 sources to corroborate impact.*

Mathematical Sciences: The use of multilevel statistical modelling has led to improved evidence-based policy making in education and other sectors. *First authored two of the six underpinning research and was involved in work leading to one of the 10 sources to corroborate impact.*

Google Scholar metrics (at 02/10/2024):

Citations	5353
h-index	41
i10-index	81
Articles	228

Overton Impact metrics (at 12/12/2022):

Documents	84 (26 in Key Sources)
Articles	19

Articles in peer reviewed journals

97. Bright, S., Buckley, C., Holman, D., Kilian, C., **Leckie, G.**, Bell, A., Mulia, N., Kilian, C., Purshouse. (2024). An analysis of intersectional disparities in alcohol consumption in the US. *Social Science & Medicine*. In Press.
96. Kent, H., Magner-Parsons, B., **Leckie, G.**, Dulgar, T., Lusiandari, A., Hogarth, L., Williams, H., & Kirby, A. (2024). Profiles of vulnerability for suicide and self-harm in UK prisoners: Neurodisability, mood disturbance, substance use, and bullying. *PLOS ONE*.
<https://doi.org/10.1371/journal.pone.0296078>
95. Merlo, J., Öberg, J., Khalaf, K., Perez Vicente, R., & **Leckie, G.** (2023). Geographic and sociodemographic differences in statin dispensation after acute myocardial infarction in Sweden: A register based prospective cohort study applying analysis of individual heterogeneity and discriminatory accuracy (AIHDA) for basic comparisons of healthcare performance. *BMJ Open*.
94. Azubuikwe, O. B., Browne, W. J., & **Leckie, G.** (2024). State and Wealth Inequalities in Foundational Literacy and Numeracy Skills of Secondary School-Aged Children in Nigeria: A Multilevel Analysis. *International Journal of Educational Development*. In press.
93. Prior, L., & **Leckie, G.** (2024). Student intersectional sociodemographic and school variation in GCSE final grades in England following COVID-19 examination cancellations. *Oxford Review of Education*. In press. <https://doi.org/10.1080/03054985.2024.2407624>.
92. Prior, L., Evans, C., Merlo, J., & **Leckie, G.** (2024). Sociodemographic inequalities in student achievement: An intersectional multilevel analysis of individual heterogeneity and discriminatory accuracy (MAIHDA). *Sociology of Race and Ethnicity*. In press.
91. Bell, A., Holman, D., Evans, C., **Leckie, G.** (2024). Extending intersectional Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy (MAIHDA) for longitudinal data, with application to mental health trajectories in the UK. *Social Science & Medicine*.
90. Evans, C., Borrell, L., N., Bell, A., Holman, D., Subramanian, S. V., **Leckie, G.** (2024). Clarifications on the Intersectional MAIHDA Approach: A conceptual guide and response to Wilkes and Karimi (2024). *Social Science & Medicine*. In press.
89. Melianova, E., Morris, T., **Leckie, G.** (2024). Manley, D. Local Government Spending and Mental Health: Untangling the Impacts Using a Dynamic Modelling Approach. *Social Science and Medicine*. In press
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Baker, W., Knight, C., & **Leckie, G.** Food banks in schools in England. *Submitted.*

Browne, W., J., Charlton, C., Price, T., Leckie, G., & Steele, F., Optimising the use of simulation methods in multilevel sample size calculations. *Revise and resubmit.*

Kent, H., Hogarth, L., Williams, H., Cornish, R., **Leckie, G.** Neurodevelopmental profile and poverty in primary school confer a ‘double disadvantage’ in risk of criminal justice system contact by the age of 16: A national prospective cohort study by Dr Hope Kent. *Submitted.*

Maragkou, K., & **Leckie, G.** Tracing the Origins of Gender Bias in Teacher Grading. *Submitted.*

Tura, F., Healy, J., Evans, C., & **Leckie, G.** An intersectional analysis of violence victimisation in England and Wales using (MAIHDA). *Submitted.*

Articles in preparation for peer reviewed journals

Kenny, D, Parker, R, & **Leckie, G.** Extended Social Relations Model.

Rodriguez, M., **Leckie, G.**, Merlo, J. Intersectional Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy (MAIHDA) for ordinal outcomes, with application to low birthweight.

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Articles in working paper series prior to appearing in peer reviewed journals:

- Bell, A., Holman, D., Evans, C., **Leckie, G.** Extending intersectional Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy (MAIHDA) for longitudinal data, with application to mental health trajectories in the UK. SocArXiv.
- Evans, C., **Leckie, G.**, Subramanian, S. V., Bell, A., Merlo, J. A Tutorial for Conducting Intersectional Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy (MAIHDA). *SocArXiv. Since published in SSM - Population Health.*
- Leckie, G.**, & Maragkou, K. (n.d.). Student Sociodemographic and School Type Differences in Teacher-Predicted vs. Achieved Grades for University Admission. SocArXiv. Retrieved from osf.io/preprints/socarxiv/u3mz9.
- Leckie, G.**, & Maragkou, K. (2023). Student Sociodemographic and School Type Differences in Teacher-Predicted vs. Achieved Grades for University Admission. Bristol Working Papers in Education Series. Working Paper: 04/2023.
- Leckie, G.**, Parker, R., Goldstein, H., Tilling, K. (2021). Multilevel models with random residual variances for joint modelling school value-added effects on the mean and variance of student achievement: arXiv: 2110.02079 [stat AP]. *Since published in Journal of Educational Behavior and Research.*
- Leckie, G.**, and Prior, L. (2021). A Comparison of Value-Added Models for School Accountability: arXiv: 2107.09410 [stat AP]. *Since published in School Effectiveness and Improvement.*
- Prior, L., Jerrim, J., Thomson, D., **Leckie, G.** (2021). A review and evaluation of secondary school accountability in England: Statistical strengths, weaknesses, and challenges for 'Progress 8'. *arXiv:2104.06299 [stat.AP]. Since published in Review of Education.*
- Prior, L., Jerrim, J., Thomson, D., **Leckie, G.** (2021). A review and evaluation of secondary school accountability in England: Statistical strengths, weaknesses, and challenges for 'Progress 8'. *Bristol Working Paper in Education Series. Working Paper, 11/18. Since published in Review of Education.*
- Prior, L., Jerrim, J., Thomson, D., **Leckie, G.** (2021). A review and evaluation of secondary school accountability in England: Statistical strengths, weaknesses, and challenges for 'Progress 8'. (CEPEO Working Paper No. 21-04). *Centre for Education Policy and Equalising Opportunities, UCL. <https://EconPapers.repec.org/RePEc:ucl:cepeon:21-04>. Since published in Review of Education.*
- Prior, L., Jerrim, J., Thomson, D., **Leckie, G.** (2021). A review and evaluation of secondary school accountability in England: Statistical strengths, weaknesses, and challenges for 'Progress 8'. *UCL IOE Quantitative Social Science Working Paper No. 21-12, April 2021. Since published in Review of Education.*
- Prior, L., Goldstein, H., & **Leckie, G.** (2020). School value-added models for multivariate academic and non-academic outcomes: A more rounded approach to using student data to inform school accountability. *arXiv:2001.01996 [stat AP]. Since published in School Effectiveness and Improvement.*
- Leckie, G.**, Browne, W., Goldstein, H., Merlo, J., Austin, P. (2019) Variance partitioning in multilevel models for count data. arXiv: 1911.06888 [stat ME]. *Since published in Psychological Methods.*

- Parker, R. M. A., **Leckie, G.**, Goldstein, H., Howe, L. D., Heron, J., Hughes, A. D., Phillippo, D. M., Tilling, K. Joint modelling of individual trajectories, within-individual variability and a later outcome: systolic blood pressure through childhood and left ventricular mass in early adulthood. medRxiv 19008474; doi: <https://doi.org/10.1101/19008474>. Since published in the *American Journal of Epidemiology*.
- Kwong, A. S., Manley, D., Timpson, N. J., Person, R. M., Heron, J., Sallis, H. M., ... & **Leckie, G.** (2018). Identifying Critical Points of Trajectories of Depressive Symptoms From Childhood to Young Adulthood: Evidence of Sex Differences from the Avon Longitudinal Study of Parents and Children (ALSPAC). bioRxiv, 193680. Since published in *Journal of Youth and Adolescence (JOYO)*.
- Leckie, G.**, & Goldstein, H. (2018). Should we adjust for pupil background in school value-added models? A study of Progress 8 and school accountability in England. *Bristol Working Paper in Education Series*. Working Paper, 11/18. Since published in the *British Educational Research Journal*.
- Leckie, G.**, & Goldstein, H. (2018). Should we adjust for pupil background in school value-added models? A study of Progress 8 and school accountability in England. *arXiv:1811.09240 [stat AP]*. Since published in the *British Educational Research Journal*.
- Burton-Smith, I., Sturgis, P., & **Leckie, G.** (2017). How collective is collective efficacy? The importance of consensus in judgments about community cohesion. *National Centre for Research Methods Working Paper*, 3/17. Since published in *Criminology*.
- Burton-Smith, I., Sturgis, P., **Leckie, G.** (2016). Detecting, and understanding interviewer effects on survey data using a cross-classified mixed-effects location scale model. *National Centre for Research Methods Working Paper*, 2/16. Since published in *Journal of the Royal Statistical Society: Series A (Statistics in Society)*.
- Leckie, G.**, & Goldstein, H. (2016). The evolution of school league tables in England 1992-2016: 'contextual value-added', 'expected progress' and 'progress 8'. Bristol Working Paper in Education Series. Working Paper, 2/16. Since published in the *British Educational Research Journal*.
- Sindall, K., Sturgis, P., Steele, F., **Leckie, G.**, & French, R. (2015). A reassessment of socio-economic gradients in child cognitive development using Growth Mixture Models. *National Centre for Research Methods Working Paper*, 6/15. Since published in the *Longitudinal and Lifecourse Studies*.
- Leckie, G.** (2009). Modelling the effects of pupil mobility and neighbourhood on school differences in educational achievement. *CMPO Working Paper Series*, 08/18, 1-28. Since published in *Journal of the Royal Statistical Society: Series A (Statistics in Society)*.
- Leckie, G.**, & Goldstein, H. (2009). The limitations of using school league tables to inform school choice. *CMPO Working Paper Series*, 09/208, 1-21. Since published in *Journal of the Royal Statistical Society: Series A (Statistics in Society)*.
- Propper, C., Damiani, M., **Leckie, G.**, & Dixon, J. (2006). Distance travelled in the NHS in England for inpatient treatment. *CMPO Working Paper Series*, 06/162, 1-18. Since published in *Journal of Health Services Research & Policy*.
- Propper, C., Burgess, S., Bolster, A., **Leckie, G.**, Jones, K., & Johnston, R. (2006). The impact of neighbourhood on the income and mental health of British social renters. *CMPO Working Paper Series*, 06/161, 1-37. Since published in *Urban Studies*.

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Leckie, G. (2019). Cross-classified multilevel models, arXiv: 1907.02569 [stat ME]. *Since published in Encyclopedia of Quality of Life and Well-Being Research. Second edition.*

Leckie, G. (2019). Multilevel models for continuous outcomes, arXiv: 1907.05941 [stat ME]. *Since published in SAGE Research Methods Foundations series.*

Leckie, G. (2019). Multiple membership multilevel models, arXiv:1907.04148 [stat ME]. *Since published in Encyclopedia of Quality of Life and Well-Being Research. Second edition.*

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- Baker, W., Knight, C. & **Leckie, G.** Feeding Hungry Families: Food Banks in Schools in England. Bristol Working Papers in Education Series. Bristol Working Papers in Education Series. Working Paper: 01/2024. DOI: 10.5281/zenodo.10879984.
- Prior, L. & **Leckie, G.** (2023). An investigation of student intersectional sociodemographic and school variation in GCSE final grades in England in 2020. Bristol Working Papers in Education Series. Working Paper: 01/2023.
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- Prior, L., Evans, C., Merlo, J., **Leckie, G.** (2022). Sociodemographic inequalities in student achievement: an intersectional multilevel analysis of individual heterogeneity and discriminatory accuracy (MAIHDA) with application to students in London, England. arXiv:2211.06321 [cs.CY].
- Prior, L., Evans, C., Merlo, J., **Leckie, G.** (2022). Sociodemographic inequalities in student achievement: an intersectional multilevel analysis of individual heterogeneity and discriminatory accuracy (MAIHDA) with application to students in London, England. Bristol Working Papers in Education Series. Working Paper: 06/2022.
- Leckie, G.**, Maragkou, K. Tracing the Origins of Gender Bias in Teacher Grades. Cambridge Working Papers in Economics. CWPE2457. <https://www.econ.cam.ac.uk/research-files/repec/cam/pdf/cwpe2457.pdf>.
- Goldstein, H., **Leckie, G.**, Prior, L. (2020). Providing educational accountability for Local Authorities based upon sampling pupils within schools: moving away from simplistic school league tables. *arXiv:2002.09897* [stat AP].
- Koster, J., **Leckie, G.**, Aven, B., and Charlton, C. Methods and Software for the Multilevel Social Relations Model: A Tutorial, arXiv: 1907.13629 [stat AP].
- Kwong, A., Maddalena, J., Croft, J., Heron, J., and **Leckie, G.** (2019). Childhood Trauma and Trajectories of Depressive Symptoms Across Adolescence. medRxiv. DOI: <https://doi.org/10.1101/19002519>.
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Research summaries in briefings, newsletters, blogs:

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Leckie, G. (2022). A celebration of Harvey Goldstein's lifetime contributions: Memories of working with Harvey Goldstein on educational research and statistics. *Journal of the Royal Statistical Society Series A*, 185(3), 758-762.

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Leckie, G., Goldstein, H. (2017). Another shake-up of school league tables: how should we measure and hold schools accountable for the progress of their pupils? *Policy Bristol*. Policy Briefing 41: 01/2017.

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Leckie, G. (2014). New-look GCSE league tables reconfirm wide disparities between schools. *The Conversation*. 10-02-2014.

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- Leckie, G.**, & 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., & **Leckie, G.** (2008). School league tables: what can they really tell us? *Significance (Magazine of the Royal Statistical Society)*, 5, 67-69.

Book chapters:

- Merlo, J. and **Leckie, G.** (2023). Multilevel analyses in drug utilization research. In M. Elseviers et al. (Eds) *Drug Utilization Research: Methods and Applications*, Second Edition. John Wiley & Sons, Ltd, 169-187.
- Leckie, G.** (2020). Multilevel Models for Continuous Responses. *SAGE Research Methods Foundations series*. DOI: 10.4135/9781526421036883656. *Invited flagship entry (10,000 words)*.
- Browne, D. T., **Leckie, G.**, & Jenkins, J. M. (2018). Understanding Couple and Family Dynamics Through Dyadic Methodology. In Fiese, B. H. (Ed.) *APA handbooks in psychology. APA Handbook of Contemporary Family Psychology: Foundations, methods, and contemporary issues across the lifespan*, American Psychological Association, Volume 1, Chapter 19, 335-352.
- Leckie, G.** and Goldstein, H. (2018). Monitoring school performance using value-added and value-table models: Lessons from the UK. In Perna, C., Pratesi, M., & Ruiz-Gazen, A. (Eds.) *Studies in Theoretical and Applied Statistics*, Springer, Chapter 23, 251-260.
- 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, Chapter 14, 311-332.
- Leckie, G.**, Pillinger, R., Jones, K., & Goldstein, H. (2012). Multilevel modelling of social segregation. In Vogt, W. P. and Johnson, B. (Eds.) *Correlation and Regression Analysis, Part 4 Multi-Level Regression Modeling (MLM)*. Sage, 357-384.
- Propper, C., & **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*, Oxford University Press, Chapter 28, 671-687.

Book chapters under review:

Evans, C. R., **Leckie, G.**, Merlo, J. (2024). Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy (MAIHDA) in Decolonizing Quantitative Methods: Anti-Oppressive Approaches to Social Work Research

Encyclopaedia entries:

- Leckie, G.** (2020). Cross-classified hierarchical linear modeling. In: Michalos A. C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Second edition. Springer, Dordrecht, Netherlands, pp 1507-1512.
- Leckie, G.** (2020). Multiple membership models. In: Michalos A. C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Second edition. Springer, Dordrecht, Netherlands, pp 4533-4537.
- Leckie, G.** (2014). Cross-classified hierarchical linear modeling. In: Michalos A. C. (Ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Springer, Dordrecht, Netherlands, pp 1359-1363.
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Statistical software packages:

Charlton, C.M.J., Michaelides, D.T., Parker, R.M.A., Cameron, B., Szmaragd, C., Yang, H., Zhang, Z., Frazer, A.J., Goldstein, H., Jones, K., **Leckie, G.**, Moreau, L., & Browne, W.J. (2013). Stat-JR version 1.0. Centre for Multilevel Modelling, University of Bristol & Electronics and Computer Science, University of Southampton.

Leckie, G. (2013). runmixregls: Stata module for fitting mixed-effects location scale models using the MIXREGLS software package. Centre for Multilevel Modelling, University of Bristol. (<http://www.bristol.ac.uk/cmm/software/runmixregls>)

Leckie, G., & 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>)

Zhang, Z., Charlton, C., Parker, R., **Leckie, G.**, & Browne, W. J. (2012). Package 'R2MLwiN'. Centre for Multilevel Modelling, University of Bristol. (<http://www.bristol.ac.uk/cmm/software/r2mlwin>)

Statistical software documentation:

- Browne, W. J., Charlton, C. M. J., Michaelides, D. T., Parker, R. M. A., Cameron, B., Szmaragd, C., Yang, H., Zhang, Z., Goldstein, H., Jones, K., **Leckie, G.**, & Moreau, L. (2013). A beginner's guide to Stat-JR's TREE interface version 1.0.0. Centre for Multilevel Modelling, University of Bristol & Electronics and Computer Science, University of Southampton.
(<http://www.bristol.ac.uk/cmm/software/Stat-JR/downloads>)
- Browne, W. J., Charlton, C. M. J., Michaelides, D. T., Parker, R. M. A., Cameron, B., Szmaragd, C., Yang, H., Zhang, Z., Goldstein, H., Jones, K., **Leckie, G.**, & Moreau, L. (2013) An advanced user's guide to Stat-JR version 1.0.0. Centre for Multilevel Modelling, University of Bristol & Electronics and Computer Science, University of Southampton.
(<http://www.bristol.ac.uk/cmm/software/Stat-JR/downloads>)
- Charlton, C., & **Leckie, G.** (2011). mcmcsun help file. Centre for Multilevel Modelling, University of Bristol, 1-6. (<http://www.bristol.ac.uk/cmm/media/runmlwin/mcmcsun.pdf>)
- Leckie, G.** (2013). runmixregls help file. Centre for Multilevel Modelling, University of Bristol, 1-8. (<http://www.bristol.ac.uk/cmm/media/runmixregls/runmixregls.pdf>)
- Leckie, G.**, & Charlton, C. (2011). runmlwin help file. Centre for Multilevel Modelling, University of Bristol, 1-28. (<http://www.bristol.ac.uk/cmm/media/runmlwin/runmlwin.pdf>)
- Zhang, Z., Charlton, C., Parker, R., **Leckie, G.**, & Browne, W. J. (2012). R2MLwiN helpfile. Centre for Multilevel Modelling, University of Bristol, 1-39. (<http://www.cran.r-project.org/web/packages/R2MLwiN/R2MLwiN.pdf>)

Conference proceedings:

- Diedrichs, P. C., Atkinson, M. J., Garbett, K. M., Williamson, H. M. Halliwell, E., Rumsey, N., **Leckie, G.**, Sibley, C. and others (2017). Evaluating a Website Designed to Improve Body Image and Psychosocial Well-Being Among Adolescent Girls and Their Mothers: A Cluster Randomised Controlled Trial With Mother-Daughter Dyads. *Journal of Adolescent Health*, Vol. 60, Issue 2, S6.
- Leckie, G.** (2016). Monitoring school performance using value-added and value-table models: Lessons from the UK. *Proceedings of the 48th Scientific meeting of the Italian Statistical Society, Salerno, Italy*. ISBN: 9788861970618.
- von Hinke Kessler Scholder, S., & **Leckie, G.** (2013). Income shocks, food expenditures, calorie intake and body weight: A multilevel structural equation modelling analysis. *Bulletin of the International Statistical Institute*, 68, 3445-3450.
- Leckie, G.** (2013). England's multilevel model based value-added school league tables: Measuring and communicating statistical uncertainty to parents. *Bulletin of the International Statistical Institute*, 68, 824-829.
- Leckie, G.** (2013). Modeling the residual error variance in two-level random-coefficient multilevel models. *Bulletin of the International Statistical Institute*, 68, 4783-4788.
- Ferrao, M., **Leckie, G.**, & Goldstein, H. (2007). Measurement error in random coefficient multilevel models: An application to PLASC data. *Bulletin of the International Statistical Institute*, 62, 4965-4968.

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 (Statistics in Society)*, 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 (Statistics in Society)*, 172, 694-695.

Newsletter entries:

Leckie, G. (2022). Professor George Leckie. SIG members in the spotlight. EARLI SIG 18 Educational Effectiveness and Improvement Newsletter. December 2022.

Obituaries:

Leckie, G. (2024) Harvey Goldstein. Oxford Dictionary of National Biography.
<https://doi.org/10.1093/odnb/9780198614128.013.90000381936>

Browne, W., & **Leckie, G.** (2020). Obituary Harvey Goldstein, 1939-2020. *Journal of the Royal Statistical Society: Series A*

Official reports:

- Leckie, G.** (2024). Trends in GCSE attainment pre- and post-pandemic by ethnicity, disadvantage, region, and their intersections. URL: XXX.
- Leckie, G.** and Prior, L. (2024). Report on Adjusted Progress 8 2023. University of Bristol
<https://www.northernpowerhousepartnership.co.uk/northern-powerhouse-launches-third-edition-of-fairer-schools-index/>.
- 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. URL:
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. URL:
http://www.heacademy.ac.uk/assets/York/documents/ourwork/inclusion/ethnicity/EDA_Quantitative_Report_March08.pdf

Online data visualizations:

Leckie, G., & Northern Powerhouse Partnership (2020). Fairer Secondary School League Table 2019.
URL: [fairerschoolsindex.org](https://www.fairerschoolsindex.org)

Leckie, G., & Northern Powerhouse Partnership (2019). Fairer Secondary School League Table 2018.
URL:
<https://www.arcgis.com/apps/webappviewer/index.html?id=495809156e7f425a845e112d3152e6ab>

Leckie, G., Charlton, C., & Goldstein, H. (2016). Communicating uncertainty in school value-added.
URL: <http://www.cmm.bris.ac.uk/interactive/uncertainty/>.

Dissertations:

Leckie, G. (2008). Multilevel modelling of school differences in educational achievement. PhD Dissertation. University of Bristol.

Leckie, G. (2004). The 'independent school effect' on subsequent degree performance: An analysis of students from Bristol University. MSc Dissertation. University of Bristol.

External expert advice:

November 2024 – July 2025	UCAS <i>Expert advisor on multilevel analysis of UCAS data.</i>
October 2024	Northern Powerhouse Partnership. Long term disadvantaged <i>Expert advisor on GCSE attainment gaps pre- and post-pandemic.</i>
September 2023 - July 2024	UCAS <i>Expert advisor on multilevel analysis of UCAS data.</i>
April-July 2023	UCAS <i>Expert advisor on multilevel analysis of UCAS data.</i>
February 2023	UCAS <i>Expert advisor on multilevel analysis of UCAS data research report.</i>
May 2022	Home Office <i>Expert advisor on “Exploring the geospatial relationships of police investigation outcomes” research report.</i>
May 2022	Department for Education <i>Expert advisor on multilevel analysis presented in “Children’s social care: Drivers of Activity” research report.</i>
2020	Home Office <i>Expert advisor on multilevel analysis of rape offences.</i>
2017 - 2018	World Bank <i>Expert advisor on school value-added modelling project</i>
2016	RAND Europe <i>External reviewer for joint RAND and DfE project</i>
2015	RAND Europe <i>External reviewer for joint RAND and DfE project</i>
2015	Centre for Appearance Research at the University of the West of England <i>Statistical advisor on two randomised controlled trials</i>
2014	RAND Europe <i>External reviewer for joint RAND and DfE project</i>
2014	School of Business & Economics, Catholic University of Portugal <i>Expert advisor on multilevel modelling</i>
2013	The National Center for Educational Achievement (NCEA) / ACT testing company <i>Expert advisor and reviewer for value added models report</i>
2013	Pearson UK and Department of Education, University of Oxford <i>Expert advisor and reviewer for ‘Rater Effects – use of multilevel modelling to monitor raters’ project</i>

2012	Ofqual and Department of Education, University of Oxford <i>Stability of rater effects</i>
2009	Department of Health grant held by School of Education, University of Birmingham <i>Multilevel modelling of doctors' interview scores</i>
2009	ESRC LEMMA2 grant held by Centre for Multilevel Modelling, University of Bristol <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 <i>Multilevel modelling of marking reliability of the 2008 national curriculum tests</i>
2008	Higher Education Academy <i>Multilevel modelling of ethnic and gender differences in university degree attainment</i>
2007	MRC grant held by Institute of Psychiatry, King's College London <i>Multilevel modelling of the job satisfaction of colorectal cancer team members</i>

Interviewed on radio:

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|------|--|
| 2023 | BBC Radio 4 Analysis “What makes a good school?” Interviewed by Branwen Jeffreys. Other interviewees included Andreas Schleicher, Director for the Directorate of Education and Skills, OECD and founder of Programme for International Student Assessment (PISA) and Natalie Perera, chief executive of the Education Policy Institute. https://www.bbc.co.uk/programmes/m001rgyw |
| 2019 | Heart radio (pre-recorded interview) |
| 2019 | Love sport radio (live interview) |
| 2019 | BBC Radio 4 World at One (invited to live interview, declined as I was abroad). |

Other radio coverage:

2020	Look North (Progress 8 research with Northern Powerhouse Partnership was discussed as a news item).
2019	Talk Radio (Lucy Powell MP discusses Progress 8 research)
2012	BBC Radio 4 Analysis
2008	BBC Radio 4 The Learning Curve

Interviewed for newspaper coverage:

November 2023 Interviewed by Chief Reporter Samantha Booth for Schools Week article.

October 2023 Interviewed by Grainne Hallahan for Times Educational Supplement (Tes) Magazine article.

Newspaper coverage:

- | | |
|------|---|
| 2024 | Some parents need to be nannied by the state. Comment. James Kirkup. The Times. https://www.thetimes.com/comment/columnists/article/some-parents-need-to-be-nannied-by-the-state-rdgjmtz8 |
| 2024 | Has Nick Gibb won the education battle
https://schoolsweek.co.uk/has-nick-gibb-won-the-education-battle/ |
| 2024 | Times Educational Supplement (Tes) Magazine: What: Is the end nigh for Progress 8- and if not, should it be
https://www.tes.com/magazine/analysis/general/the-end-of-progress-8
<i>Article followed telephone interview with journalist Grainne Hallahan.</i> |
| 2023 | Times Educational Supplement (Tes) Magazine: What schools need to know about the KS4 performance data
https://www.tes.com/magazine/analysis/secondary/ks4-performance-data-gcses-2023-analysis
<i>Article followed telephone interview with journalist Grainne Hallahan.</i> |
| 2020 | Northern Echo, Times Educational Supplement, Telegraph & Argos, Yorkshire Post |
| 2019 | Bristol Post, Daily Express, Financial Times, The Guardian, The Independent, Leigh Journal, The Star, The Times, Times Educational Supplement, Warrington Guardian, Wigan Today, Yorkshire Post |
| 2013 | The Independent |
| 2009 | The Financial Times, The Guardian, Public Finance magazine, The Telegraph, The Times Educational Supplement |
| 2008 | The Guardian, The Telegraph |

Other media coverage:

2024	Adjusted Progress 8 work discussed by presenter on Class Divide podcast episode
2019	BBC website, Chronical Live, Ekklesia, FE news, Greensheets, Humanists UK, Local Gov, My Science, Reclaiming Schools, Schools Improvement, Schools Week, World News Live 4
2016	ESRC Society Now magazine Issue 26 Autumn 2016
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

Organised conferences:

July 2021	DfE funded NPD User Group meeting (1 day), Online <i>Co-organiser with Dave Thomson</i>
January 2020	DfE funded NPD User Group meeting (1 day), London <i>Co-organiser with Dave Thomson</i>
September 2018	DfE funded NPD User Group meeting (1 day), Bristol <i>Co-organiser with Rebecca Allen</i>
October 2017	DfE funded NPD User Group meeting (1 day), The Guardian, London <i>Co-organiser with Rebecca Allen</i>
September 2016	DfE funded NPD User Group meeting (1 day), Bristol <i>Co-organiser with Rebecca Allen</i>
June 2015	DfE funded NPD User Group meeting (1 day), Department for Education, London <i>Co-organiser with Rebecca Allen</i>
June 2014	DfE funded NPD User Group meeting (1 day), Bristol <i>Co-organiser with Rebecca Allen</i>

Organised conference sessions:

- | | |
|----------------|---|
| September 2024 | Centre for Multilevel Modelling
SOE Research Celebration Event
<i>Invited coordinator and chair. Three presentations by six presenters.</i> |
| September 2019 | School accountability in crisis - holding the judges to account
British Educational Research Association (BERA) 2019 Annual Conference
<i>Joint coordinator with Terry Wrigley and Tom Perry</i> |
| July 2014 | Advanced Multilevel Modelling – Applications
VI European Congress of Methodology, Utrecht
<i>Invited coordinator and chair</i> |
| July 2014 | Advanced Multilevel Modelling - Methods 1
VI European Congress of Methodology, Utrecht
<i>Invited coordinator and chair</i> |
| July 2014 | Advanced Multilevel Modelling - Methods 2
VI European Congress of Methodology, Utrecht
<i>Joint coordinator and chair with Don Hedeker</i> |
| 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
<i>Co-applicant with Jo-Anne Baird</i> |
| August 2010 | School effects on pupil outcomes: quantitative methods and applications
British Educational Research Association (BERA) 2010 Annual Conference,
Warwick. <i>Coordinator and chair</i> |
| July 2010 | Multilevel modelling – Methodology
4 th ESRC Research Methods Festival, Oxford
<i>Coordinator and chair</i> |

Organised meetings:

November 2015 ‘The rise of RCTs in education: Statistical and Practical Challenges’
Social Statistics Section Meeting, Royal Statistical Society, London
Organiser

October 2014 ‘Linking health care records for statistical analysis: care.data, possibilities and
problems’
Social Statistics Section Meeting, Royal Statistical Society, London
Organiser

Organised school-level seminars:

May 2024	CMM Session at School of Education Celebrations in Research School of Education, University of Bristol. <i>Organiser</i>
October 2022	Dennis Sherwood: 'The Great Grading Scandal' Bristol Conversations in Education. School of Education, University of Bristol. <i>Organiser</i>
November 2020	Frank Norris: 'Why the Co-op is involved in the academy programme' Bristol Conversations in Education. School of Education, University of Bristol. <i>Organiser</i>
November 2019	Andreas Soteriades: 'An interactive pre-inspection tool for Further Education and Skills inspectors' Bristol Conversations in Education. School of Education, University of Bristol. <i>Organiser</i>
May 2019	Michele Haynes: 'Establishing Dependability of Judgement in a Graduate Teaching Performance Assessment' Bristol Conversations in Education. School of Education, University of Bristol. <i>Organiser</i>
October 2015	Mike Treadaway: 'Closing the Gap – How should we be assessing the impact of the Pupil Premium?' Graduate School of Education, University of Bristol. <i>Organiser</i>

Organised CMM-level seminars:

- | | |
|---------------|---|
| November 2024 | <i>Dr Beatriz Gallo Cordoba</i>
Victoria University, Melbourne
<i>Organiser</i> |
| October 2023 | Dr Koen Aesaert, Tenure track Professor, Educational Effectiveness and Evaluation, Faculty of Psychology and Educational Sciences, KU Leuven. ‘The impact of measurement error in student prior achievement on predicted school effects in school value-added models’
<i>Organiser</i> |
| February 2023 | Dr David Bartram, Associate Professor of Sociology, University of Leicester. ‘Inequality and life satisfaction: For a longitudinal analysis, what do we get by addressing multiple levels?’
<i>Organiser</i> |
| January 2022 | Andy Bell, Sheffield Methods Institute |

Keynote conference presentations:

October 2024	“Diversity and equity in pharmacoepidemiological studies”. DSFE 30-year Anniversary Meeting 2024, Nyborg.
April 2022	International Multilevel Modelling conference, Utrecht.
October 2020	‘Multilevel Modelling of longitudinal data’. Harvey Goldstein Memorial Lecture. 2020 SLLS conference. <i>Online as physical meeting in Vilnius cancelled due to COVID-19.</i>
June 2020	International symposium on school value-added in Chile. Santiago. <i>Cancelled due to COVID-19.</i>
August 2018	‘25 years of school league tables, accountability and choice: Lessons from England’ Educational Effectiveness EARLI SIG 18 & 23 meeting. Groningen.
October 2015	‘Recovering population-averaged inferences from binary response multilevel models, with examples from demography’ Austrian Statistics Days. Vienna.
August 2014	‘Multilevel modelling and the estimation of school effects.’ 2 nd JURE Special Interest Group Educational Effectiveness pre-conference, Southampton
May 2009	‘The limitations of using school league tables to inform school choice’ Conference on methods and models for the evaluation of educational process, Rimini.

Invited conference, workshop and seminar presentations:

May 2025	Using Administrative Education Data Workshop, University of Exeter.
December 2024	CREATE - Centre for Research on Equality in Education, Oslo.
October 2024	Victoria University, Melbourne (Zoom).
July 2024	Sheffield Methods Institute and School of Education, University of Sheffield, Sheffield.
July 2024	Higher Education in a Cold Climate, University of Bristol, Bristol.
May 2024	ADR UK Event UWE: Research Development Workshop Better Data. Better Research. Better Policy. University West of England, Bristol.
December 2023	Methodological issues in epidemiology and population research, Lund University.
November 2023	Workshop on administrative data for public policy research GS5, Faculty of Education, University of Cambridge
June 2023	Advanced Quantitative Research in Education, Moray House School of Education and Sport, University of Edinburgh, Edinburgh.
May 2023	Education Policy Institute, London.
April 2023	Administrative data for education research: building bridges using the GRADE data sharing project, Royal Economics Society Annual Conference, Glasgow.
May 2022	KU Leuven
May 2021	Harvey Goldstein Memorial Talk, Royal Statistical Society, Online. https://www.youtube.com/watch?v=yrYcCCwMUvc
March 2021	Northern Powerhouse Partnership 'Education Data' Meeting, Online. Other speakers included Amanda Spielman, Chief Inspector, Ofsted and Dave Thomson, Chief Statistician, FFT.
June 2020	Lewisham. <i>Cancelled due to COVID-19.</i>
March 2020	Manchester. <i>To be rescheduled due to COVID-19.</i>
February 2020	Department of Statistics, York
January 2020	Wolverhampton
October 2019	Catherine Peckham Symposium/Otto Wolff Lecture 2019, London
April 2019	'Progress 8' National Education Union annual conference, Liverpool
November 2018	'Accountability and school differential effects' Department of Learning and Leadership, IOE UCL, London

September 2018	Bristol Cathedral School, Bristol
September 2018	Royal Statistical Society Annual Conference, Cardiff
May 2018	Q-step Seminar Series, University of Exeter
September 2017	Royal Statistical Society Annual Conference, Glasgow
August 2017	World Bank and Bulgarian Ministry of Education - Republic of Bulgaria, Sofia
July 2017	'JEBS: Methods for Educational and Behavioral Applications' session at Joint Statistical Meetings (JSM), Baltimore
March 2017	World Bank and Bulgarian Ministry of Education - Republic of Bulgaria, Sofia
June 2016	'Statistical tools for monitoring the educational system and assessing students' performances' 48th Scientific Meeting of The Italian Statistical Society
June 2016	Cathie Marsh Institute for Social Research (CMIST) Seminar Series, University of Manchester
March 2016	East Midlands local group of the Royal Statistical Society, University of Leicester
October 2015	Sheffield Methods Institute, University of Sheffield
September 2015	Royal Statistical Society Annual Conference, Exeter
February 2015	Berkeley Evaluation & Assessment Research Center Seminar, University of California, Berkeley
February 2015	Faculty of Education, Queensland University of Technology, Brisbane
February 2015	Value-added Modelling Symposium Institute for Positive Psychology and Education (IPPE), Australian Catholic University, Sydney
December 2014	Quantitative Methods Hub seminar series, Department of Education, University of Oxford
November 2014	Royal Statistical Society Glasgow Local Group Seminar, Glasgow
September 2013	Advanced Multilevel Modelling workshop Eberhard Karls Universität Tübingen, Department of Education, Tuebingen
August 2013	'Statistical methods in educational evaluation session' 59th World Statistics Congress, Hong Kong
March 2013	The Netherlands Institute for the Study of Crime and Law Enforcement (NSCR), Amsterdam

February 2013	Department of Quantitative Social Science (DOQSS) Seminar Series, UCL Institute of Education, London
September 2012	Cathie Marsh Centre for Census & Survey Research (CCSR) Seminar Series, University of Manchester
July 2012	5 th ESRC Research Methods Festival, Oxford
September 2011	Cathie Marsh Centre for Census & Survey Research (CCSR) Seminar Series, University of Manchester
May 2011	The Social Research Association, London
September 2010	'Best paper session'. Royal Statistical Society Annual Conference, Brighton
July 2010	School League Tables and Measuring School Performance Conference, Oxford
July 2010	4 th ESRC Research Methods Festival, Oxford
June 2010	Department of Policy Analysis and Management, Cornell University
June 2010	Summer Program in Data Analysis, York University, Toronto
June 2010	Value-Added Modelling Workshop, University of Colorado, Boulder, Colorado
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	Royal Statistical Society South West Group Seminar, Plymouth
September 2009	'Statistics in educational research session' Royal Statistical Society Annual Conference, Edinburgh
October 2008	Royal Statistical Society Avon Local Group Seminar, Bristol
June 2008	3 rd ESRC Research Methods Festival, Oxford
December 2007	General Applications Section Meeting, Royal Statistical Society, London
January 2007	National Centre for Research Methods Annual Meeting, Manchester

Other conference, workshop and seminar presentations:

August 2024	EARLI Special Interest Group 18 Educational Effectiveness Conference, Nicosia
June 2024	QRM Conference 2024, Gothenburg
November 2023	ADR UK Conference 2023, Birmingham
September 2022	EARLI Special Interest Group 18 Educational Effectiveness Conference, Freiburg
October 2020	Society for Longitudinal and Life Course Studies (SLLS). Vilnius. <i>Withdrew due to COVID-19.</i>
April 2018	2018 AERA Annual Meeting, New York
June 2017	Data Intensive Research Workshop, Cardiff University
April 2017	11th International Amsterdam Multilevel Conference, Utrecht
August 2015	12th Conference of the European Sociological Association, Prague
April 2015	10th International Amsterdam Multilevel Conference, Utrecht
September 2013	Royal Statistical Society Annual Conference, Newcastle
August 2013	59th World Statistics Congress, Hong Kong
March 2013	9th International Amsterdam Multilevel Conference, Utrecht
April 2012	LEMMA3 meeting, University of Aberdeen
September 2011	UK Stata Users' Group, 17th Meeting, London
May 2011	Modern Modeling Methods (M3) Conference, University of Connecticut
May 2011	2011 American Sociological Association Spring Methodology Conference, Tilburg University
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
October 2009	PLASC User Group Workshop, Bristol

May 2009	Conference on methods and models for the evaluation of educational process, Rimini, Bologna
April 2009	7th International Amsterdam Multilevel Conference, Amsterdam
September 2007	16 th European Workshop on Econometrics and Health Economics, Bergen
January 2007	PLASC User Group Workshop, Bristol
November 2006	Association for Educational Assessment - Europe Conference, Naples

Internal conference, workshop, seminar, and grant meeting presentations:

June 2024	MAIHDA grant, online
May 2024	SoE Research Celebration Event, School of Education, University of Bristol
July 2023	Centre for Multilevel Modelling session, Research Workshop, School of Education, University of Bristol
September 2017, 2018, 2019, 2020, 2021, 2022	MSc Education pathway session, MSc and PhD welcome week, School of Education, University of Bristol (×2)
July 2017	Centre for Multilevel Modelling session, Research Workshop, Graduate School of Education, University of Bristol
February 2017	Jean Golding Institute, University of Bristol. Famous for Three Minutes
November 2016	Bristol Conversations in Education, Graduate School of Education, University of Bristol
September 2016	Research Centres Session, MSc and PhD welcome week, Graduate School of Education, University of Bristol
June 2016	Centre for Multilevel Modelling Research Group, University of Bristol
May 2016	Life after PhD, Graduate School of Education, University of Bristol
June 2013	Centenary Festival of Education 2013, Graduate School of Education, University of Bristol
June 2013	Centre for Multilevel Modelling Research Group, University of Bristol
March 2013	ESRC visit, University of Bristol
February 2013	Centre for Multilevel Modelling Research Group, University of Bristol
June 2012	Festival of Education 2012, Graduate School of Education, University of Bristol
March 2012	Centre for Multilevel Modelling Research Group, University of Bristol
June 2011	MUGS Seminar, Department of Social Medicine, University of Bristol
June 2011	Centre for Multilevel Modelling Research Group, University of Bristol
April 2011	E-Stat Meeting, University of Bristol
November 2009	Vice chancellor visit, University of Bristol
March 2006	CMPO Seminar, Department of Economics, University of Bristol

Conference session group discussion facilitator:

- | | |
|-----------|---|
| June 2024 | MAIHDA Advisory Board Meeting, University of Sheffield, Sheffield.
Discussion: How can we disseminate this better to different audiences?
<i>Facilitator</i> |
| May 2024. | ADR UK Event UWE: Research Development Workshop Better Data. Better
Research. Better Policy: <i>Facilitator on two group discussions. Declined due to clash.</i> |

Conference panel discussion member:

April 2022	Member of judging panel for Young Researcher's Award at the International Multilevel Modelling Conference, Utrecht 2022.
November 2019	Workshop: Modelling Within-Individual (or Group) Variation – Developments & Applications, Bristol
August 2017	World Bank and Bulgarian Ministry of Education - Republic of Bulgaria, Sofia
March 2017	World Bank and Bulgarian Ministry of Education - Republic of Bulgaria, Sofia
November 2010	Association for Educational Assessment (AEA) - Europe Conference, Oslo
July 2010	4 th ESRC Research Methods Festival, Oxford

Conference session chair:

June 2024 MAIHDA Advisory Board Meeting, University of Sheffield, Sheffield.
Applications of MAIHDA.
Chair

November 2023 ADR UK Conference 2023 - Invitation to chair a parallel session. *Declined.*

My YouTube channel:

2024

<https://www.youtube.com/@ProfGeorgeLeckie>

Videos and podcasts:

- | | |
|------|---|
| 2020 | <p>Video recorded seminar
 ‘Harvey Goldstein memorial lecture: Multilevel modelling of longitudinal data’
 https://www.youtube.com/watch?v=yrYcCCmMUvc
 <i>Speaker</i></p> |
| 2020 | <p>BERA Podcast recorded seminar
 ‘The importance of adjusting for pupil sociodemographics in Progress 8 and school accountability in England’
 https://www.bera.ac.uk/media/a-study-of-progress-8-and-school-accountability-in-england
 <i>Speaker</i></p> |
| 2018 | <p>Video recorded seminar
 ‘Accountability and school differential effects’ Department of Learning and Leadership, IOE UCL, London
 https://mediacentral.ucl.ac.uk/Play/15633
 <i>Speaker</i></p> |
| 2016 | <p>Audio recorded seminar
 Bristol Conversations in Education Series
 Graduate School of Education, University of Bristol
 <i>Speaker</i></p> |
| 2015 | <p>YouTube
 Strengths and Shortcomings of Value-added Models and School League Tables: The UK experience (1:51:82)
 Sydney
 https://www.youtube.com/watch?v=eCFjQgXjroU&list=PLXQLl8afsd_SSAK8j-VwzP6Q7n0mYjNBk
 <i>Speaker</i></p> |
| 2013 | <p>YouTube
 Centenary Festival: Understanding School League Tables (1:03:17)
 Graduate School of Education, University of Bristol
 https://www.youtube.com/watch?v=J8pbD-oLoXg
 <i>Speaker with Harvey Goldstein</i></p> |
| 2012 | <p>YouTube
 Centre for Multilevel Modelling (CMM) (02:30)
 Graduate School of Education, University of Bristol
 https://www.youtube.com/watch?v=tuwopdn-Tsk
 <i>Speaker with Fiona Steele</i></p> |
| 2009 | <p>The limitations of using school league tables to inform school choice (20:00)
 Royal Statistical Society Annual Conference 2009
 https://www.youtube.com/watch?v=-n9uBIgPaCU
 <i>Speaker</i></p> |
| 2009 | <p>Podcast: Are league tables any use for choosing schools? (08:00)
 Centre for Market and Public Organisation, University of Bristol
 <i>Speaker</i></p> |

Short international academic visits as visitor:

May 2022	Associate Professor Koen Aesaert, Centre of Educational Effectiveness and Evaluation, KU Leuven (2 days)
February 2019	Professor Juan Merlo, Unit for Social Epidemiology, Faculty of Medicine, Lund University, Malmo (4 days)
February 2017	Professor Juan Merlo, Unit for Social Epidemiology, Faculty of Medicine, Lund University, Malmo (4 days)
September 2012	Professor Paul Lichtenstein and Amir Sariaslan, Department of Medical Epidemiology and Biostatistics, Karolinska Institute, Stockholm (2 days)
July 2011	Professor Jennifer Jenkins, Department of Applied Psychology and Human Development (AP&HD) in the University of Toronto (5 days)
October 2010	Professor Paul Bingley, SFI, The Danish National Centre for Social Research, Copenhagen (2 days)
June 2010	Professor Jennifer Jenkins, Department of Applied Psychology and Human Development (AP&HD) in the University of Toronto (5 days)

Short international academic visits as host:

October 2023	Tenure Track Professor Koen Aesaert, Centre of Educational Effectiveness and Evaluation, KU Leuven (1 week)
October 2023	Tom van Ransbeeck, Centre of Educational Effectiveness and Evaluation, KU Leuven (1 week)
September 2022	Dr Beatriz Gallo Cordoba, Research Fellow, Monash University (2 days) <i>Cancelled due to visa difficulties.</i>
January 2017 – February 2017	Professor Jennifer Jenkins, Department of Applied Psychology and Human Development (AP&HD) in the University of Toronto (2 days)
June 2015	Associate Professor Jeremy Koster, Department of Anthropology, University of Cincinnati and Assistant Professor Brandy L. Aven, Carnegie Mellon Tepper School of Business, Carnegie Mellon University (1 day)
February 2013	Professor Don Hedeker, School of Public Health, University of Illinois at Chicago (4 days)
May 2012	Professor Jennifer Jenkins, Department of Applied Psychology and Human Development (AP&HD) in the University of Toronto (5 days)
June 2011	Dillon Browne, Department of Applied Psychology and Human Development (AP&HD) in the University of Toronto (5 days)
February 2011	Dr Annekke Timmermans, Education and Educational Research, University of Groningen (4 days)

TEACHING**International multilevel modelling workshops:**

April 2024	Introduction to Multilevel Modelling Using Stata (2 days) SPHeRE PhD Programme in Population Health and Health Services Research (PHHSR) Royal College of Surgeons in Ireland (RCSE); Dublin, Ireland <i>Course Instructor</i>
May 2023	Introduction to Multilevel Modelling Using MLwiN, R, or Stata (2 days) SPHeRE PhD Programme in Population Health and Health Services Research (PHHSR) Royal College of Surgeons in Ireland (RCSE); Dublin, Ireland <i>Course Instructor</i>
March 2021	Introduction to Multilevel Modelling Using Stata (2 days) SPHeRE PhD Programme in Population Health and Health Services Research (PHHSR) Royal College of Surgeons in Ireland (RCSE); Dublin, Ireland <i>Course Instructor</i>
October 2018	Introduction to Multilevel Modelling (1 day) Bamberg <i>Course Instructor</i>
August 2018	Multilevel Modelling in School Effectiveness Research (0.5 days) EARLI Special Interest Group 18 Educational Effectiveness, Groningen <i>Course Instructor</i>
October 2017	Introduction to Multilevel Modelling Using Stata (2 days) Eurofound European Union Agency, Dublin <i>Course Instructor</i>
February 2017	Introduction to Multilevel Modelling (2 days) Unit for Social Epidemiology, Lund University, Malmö <i>Course Instructor</i>
June 2016	Multilevel Modelling (2 days) Short Course Doctoral School, Ghent University; Ghent <i>Course Instructor</i>
2014, 2016, 2018	Introduction to Multilevel Modelling Using Stata (1 days) SPHeRE PhD Programme in Population Health and Health Services Research (PHHSR) Royal College of Surgeons in Ireland (RCSE), Trinity College Dublin, and University College Cork; Dublin, Ireland <i>Course Instructor</i>
March 2015	Introduction to Multilevel Modelling Using Stata (2 days) Smurfit Business School, University College Dublin, Dublin, Ireland <i>Course Instructor</i>
February 2015	Introduction to Multilevel Modelling (2 days)

Faculty of Education, Queensland University of Technology, Brisbane,
Australia
Course Instructor

- February 2015 Multilevel Modelling (2 days)
Institute for Positive Psychology and Education (IPPE), Australian Catholic
University, Sydney, Australia
Course Instructor
- May 2014 Introduction to Multilevel modelling Using Stata (2 days)
University Giessen School of Management and Economics, Giessen, Germany
Course Instructor
- March 2014 Introduction to Multilevel modelling Using MLwiN (2 days)
Centre for Longitudinal Studies in Ireland, Dublin, Ireland
Course Instructor with William Browne
- September 2013 Advanced Multilevel Modelling Using R (1 day)
Eberhard Karls Universität Tübingen, Department of Education, Tuebingen,
Germany
Course Instructor
- August 2012 Multilevel Modelling in School Effectiveness Research (0.5 days)
EARLI Special Interest Group 18 Educational Effectiveness, Zurich,
Switzerland
Course Instructor
- June 2012 Multilevel Modelling Using Stata (2 days)
Organisation for Economic Co-operation and Development (OECD), Paris,
France
Course Instructor
- May 2012 Introduction to Multilevel Modelling Using Stata (2 days)
HRB PhD Scholars Programme in Health Services Research
Royal College of Surgeons in Ireland (RCSE), Trinity College Dublin, and
University College Cork; Dublin, Ireland
Course Instructor
- May 2010 Multilevel Modelling Using MLwiN (4 days)
University of Cincinnati, Ohio, US
Course Instructor with Dr SV Subramanian
- December 2007 Multilevel Analysis (3 days)
Katholieke Universiteit, Brussels, Belgium
Course Assistant for Kelynn Jones

UK-based multilevel modelling workshops:

September 2024	An introduction to Multilevel Modelling for Intersectionality Research: The MAIHDA approach (1 day) NCRM MethodsCon 2024; University of Manchester <i>Course Instructor with Andy Bell</i>
July 2024	An introduction to Multilevel Modelling, and the Intersectional “MAIHDA” approach (1 day) University of Sheffield <i>Course Instructor with Andy Bell</i>
June 2024	Introduction to Multilevel Modelling Using MLwiN, R, or Stata (2 days) University of Nottingham <i>Course Instructor</i>
January 2024	UK Health Security Agency (2 days) <i>Course Instructor</i>
2023	Selected advanced topics in Multilevel Modelling Using R and Stata, Advanced Quantitative Research in Education, Moray House School of Education and Sport, University of Edinburgh
2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2021, 2022, 2023, 2024, 2025	Multilevel Modelling (2 days) Royal Statistical Society, London <i>Course Instructor with Harvey Goldstein (2008-2019) and William Browne (2021-)</i>
2021 (×2), 2022 (×2), 2023 (×2), 2024 (×2), 2025	Introduction to Multilevel Modelling Using MLwiN, R, or Stata (3 days) University of Bristol <i>Course Instructor with William Browne</i>
2021	Introduction to Multilevel Modelling Using MLwiN, R, or Stata (3 days) Home Office, London <i>Course Instructor with William Browne</i>
2010, 2011, 2012, 2013, 2014, 2015, 2016 (×2), 2017 (×2), 2018 (×2), 2019 (×2), 2020	Introduction to Multilevel Modelling Using MLwiN (3 days) University of Bristol <i>Course Instructor with William Browne, Harvey Goldstein, Kehryn Jones, Fiona Steele, Richard Parker, and Rebecca Pillinger</i>
September 2015	Advanced multilevel modelling using Markov chain Monte Carlo (MCMC)

ESRC National Centre for Research Methods (NCRM), University of
Southampton (3 days)
Course Instructor with William Browne

September 2014 eBook Writing in Stat-JR (2 days)
University of Bristol
Teaching Assistant for William Browne

July 2014 Modelling Longitudinal Data using the Stat-JR package (2 days)
St Catherines College, University of Oxford
Course Instructor with William Browne

2012, 2014 Advanced Multilevel Modelling Using Markov Chain Monte Carlo (MCMC) (3
days)
University of Bristol
*Course Instructor with William Browne, Paul Clarke, Harvey Goldstein, Kehryn Jones,
Fiona Steele*

April 2013 Multilevel Modelling of Discrete Responses (3 days)
University of Bristol
Course Instructor with William Browne, Kehryn Jones, Fiona Steele and Rebecca Pillinger

2011, 2013	<p>‘Bring your own data’ Research Workshop in Multilevel Modelling using MLwiN (3 days) University of Bristol <i>Course Instructor with William Browne, Kehyn Jones, Fiona Steele, Rebecca Pillinger and Mark Lyon Amos</i></p>
April 2011	<p>Introduction to Multilevel Modelling in Stata (2 days) Queen's University, Belfast <i>Course Instructor with Fiona Steele and Mark McCann</i></p>
2010, 2011	<p>Longitudinal Data Analysis: Multilevel Modelling and Structural Equation Modelling Approaches (2 days each) University of Bristol <i>Course Instructor with Fiona Steele, Kate Tilling and Jon Heron</i></p>
2007, 2008, 2009	<p>Various Multilevel Modelling in MLwiN Workshops (3 days) University of Bristol <i>Course Assistant for Kehyn Jones, Jon Rasbash and Fiona Steele</i></p>
June 2007	<p>Multilevel Analysis: Practical Applications (10 days) Essex Summer School, University of Essex <i>Course Assistant for Kehyn Jones</i></p>

LEMMA Multilevel modelling online training materials:

- Leckie, G.** (2010). Introduction to Multilevel Modelling - Stata Practical. LEMMA VLE Module 5, 1-45. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2010). Multilevel Models for Binary Responses - Stata Practical. LEMMA VLE Module 7, 1-55. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2010). Multiple Regression - Stata Practical. LEMMA VLE Module 3, 1-43. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2010). Regression Models for Binary Responses - Stata Practical. LEMMA VLE Module 6, 1-42. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2013). Cross-Classified Multilevel Models - Concepts. LEMMA VLE Module 12, 1-60. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2013). Cross-Classified Multilevel Models – Stata Practical. LEMMA VLE Module 12, 1-52. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2013). Multiple Membership Multilevel Models - Concepts. LEMMA VLE Module 13, 1-61. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2013). Multiple Membership Multilevel Models – Stata Practical. LEMMA VLE Module 13, 1-45. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2013). Three-Level Multilevel Models - Concepts. LEMMA VLE Module 11, 1-47. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G.** (2013). Three-Level Multilevel Models – Stata Practical. LEMMA VLE Module 11, 1-52. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G., & Bell, A.** (2013). Cross-Classified Multilevel Models – MLwiN Practical. LEMMA VLE Module 12, 1-60. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G., & French, R.** (2013). Three-Level Multilevel Models – MLwiN Practical. LEMMA VLE Module 11, 1-56. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G., Morris, T., Steele, F.** (2016). Multilevel Modelling of Repeated Measures Data - MLwiN Practical. LEMMA VLE Module 15, 1-79. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G., Morris, T., Steele, F.** (2016). Single-level and Multilevel Models for Ordinal Responses - Stata Practical. LEMMA VLE Module 9, 1-46. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Leckie, G., & Owen, D.** (2013). Multiple Membership Multilevel Models – MLwiN Practical. LEMMA VLE Module 13, 1-48. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.
- Novak, T., & Leckie, G.** (2024). Three-Level Multilevel Models – R Practical. LEMMA VLE Module 11, 1-XX. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.

Szmaragd, C., & **Leckie, G.** (2011). Introduction to Multilevel Modelling - R Practical. LEMMA VLE Module 5, 1-42. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.

Szmaragd, C., & **Leckie, G.** (2011). Multilevel Models for Binary Responses - R Practical. LEMMA VLE Module 7, 1-56. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.

Szmaragd, C., & **Leckie, G.** (2011). Multiple Regression - R Practical. LEMMA VLE Module 3, 1-54. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.

Szmaragd, C., & **Leckie, G.** (2011). Regression Models for Binary Responses - R Practical. LEMMA VLE Module 6, 1-45. URL: <http://www.bristol.ac.uk/cmm/learning/online-course/>.

Other Multilevel modelling online training materials

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| 2024 | ESRC NCRM online training materials: Dr Andy Bell, Professor George Leckie. (2024) Multilevel models MAIHDA. National Centre for Research Methods online learning resource. Available at
XXX |
| 2021 | ESRC NCRM online training materials: Professor William Browne, Professor George Leckie. (2021) Cross Classified Models. National Centre for Research Methods online learning resource. Available at
https://www.ncrm.ac.uk/resources/online/all/?main&id=20773 |

PhD teaching:

2015, 2016, 2017, 2018	Multilevel Modelling Using Stata: A second course (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>
2012, 2013, 2014, 2015, 2016, 2017, 2018	Multilevel Modelling Using Stata: An introduction (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>
2012 (×2), 2013, 2014, 2015, 2017	Review of Linear Regression Using Stata (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>
2011, 2012, 2013, 2014, 2015, 2016, 2017	Introduction to Stata (2 days) ESRC South West Doctoral Training Centre, Advanced Quantitative Methods Pathway <i>Unit leader</i>
November 2007	PhD Stata for Economics and Econometrics Research Students (8 two-hour tutorials) Department of Economics, University of Bristol <i>Unit leader</i>

PhD students:

- 27 2024-2028 Boyang Yu
‘Exploring the Impact of Poverty on Child Well-being: A Longitudinal Analysis of Mental Health and Criminal Behaviours.’
ESRC funded SWDTP Advanced Quantitative Methods Pathway student
Second supervisor
- 26 2024-2028 Alisher Tlessov
Funded by UOB Postgraduate Scholarship
First supervisor
- 25 2024-2028 Tomirs Gilazh
ADRUk PhD Studentship
Secondary data analysis of linked educational administrative data
ESRC funded SWDTP Advanced Quantitative Methods Pathway student
First supervisor
- 24 2023-2027 Adam Coates
‘A cognitive diagnostic investigation of inequality in mathematics mastery.’
Department of Education, University of Bath
ESRC funded SWDTP Advanced Quantitative Methods Pathway student
Second supervisor
- 23 2023-2027 Diego Maury Romero
‘How can we teach tomorrow’s adults the knowledge, skills, and attitudes needed to tackle global issues and intercultural situations? A Multilevel Modelling Secondary Data Analysis of PISA 2018 ‘Global Competence’ Assessments’
School of Education, University of Bristol
ESRC funded SWDTP Advanced Quantitative Methods Pathway student
First supervisor
- 22 2023-2027 Tom Van Ransbeeck
‘The role of sample characteristics in the stability of value-added estimates of school effects: sample size, student mobility and sample heterogeneity’
KU Leuven
External supervisory committee member
- 21 2023-2027 Rachael Wood
School of Mathematics, University of Bristol
EPSRC CDT Compass student
First supervisor but student changed projects and therefore supervisors prior to starting formally.
- 20 2022-2026 Ainur Muratkyzy
SoE student
Kazakhstan scholarship
Second supervisor
- 19 2021 – 2025 Ekaterina Melianova
‘Government Spending and the Two-Way Causation between Socioeconomic Status and Health in the UK: A Multilevel Structural Equations Modelling Approach’

School of Geographical Sciences, University of Bristol
ESRC funded SWDTP Advanced Quantitative Methods Pathway student
Second supervisor

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| 18 | 2021 – 2025 | <p>Shuxin (Serene) Liu</p> <p>‘A Study of the Boundaries between the Roles and Responsibilities of Local Governments and the Private Sector in Public Service Systems for Preschool Education in China’</p> <p><i>SoE student</i></p> <p><i>First supervisor</i></p> |
| 17 | 2021 – 2025 | <p>Kyra Hidding</p> <p>‘The role of sample characteristics in the stability of value-added estimates of school effects: sample size, student mobility and sample heterogeneity’</p> <p><i>KU Leuven</i></p> <p><i>External supervisory committee member.</i></p> <p><i>Student withdrew.</i></p> |
| 16 | 2020 – 2024 | <p>Oby Bridget Azubuike</p> <p>‘Open to all, accessible by few: Access barriers to Higher Education (HE) in Nigeria and the role of parental perceptions of HE’</p> <p>School of Education, University of Bristol</p> <p><i>ESRC funded SWDTP Advanced Quantitative Methods Pathway student</i></p> <p><i>First supervisor</i></p> |
| 15 | 2020 – 2024 | <p>Andrea Becsek</p> <p>School of Mathematics, University of Bristol</p> <p><i>EPSRC CDT Compass student</i></p> <p><i>Joint second supervisor</i></p> <p><i>Student withdrew.</i></p> |
| 14 | 2020 – 2024 | <p>Hope Kent</p> <p>School of Psychology, College of Life and Environmental Sciences</p> <p>University of Exeter</p> <p><i>ESRC funded SWDTP Advanced Quantitative Methods Pathway student</i></p> <p><i>Second supervisor</i></p> |
| 13 | 2019 – 2023 | <p>Victoria Bowen</p> <p>School of Education, University of Bristol</p> <p><i>Second supervisor</i></p> |
| 12 | 2019 – 2023 | <p>Megan Attwood</p> <p>The Anxious Mind Under Threat - Examining the interplay between anxiety, working memory and emotion regulation as determinants of academic performance</p> <p>School of Experimental Psychology, University of Bristol</p> <p><i>ESRC funded SWDTP Psychology Pathway student</i></p> <p><i>Third supervisor on successful application but did not subsequently supervise the student.</i></p> |
| 11 | 2018 – 2022 | <p>Rhiannon Moore</p> <p>School of Education, University of Bristol</p> <p><i>ESRC funded SWDTP Advanced Quantitative Methods Pathway student</i></p> <p><i>Second supervisor</i></p> |

- 10 2017 – 2023 Sabah Arshad
Impact of Conditional Cash Transfer Program on Girls enrolment and attainment level: Evidence from Pakistan
School of Education, University of Bristol
UoB scholarship
Second supervisor

- 9 2016 – 2019 Alex Kwong
Examining gene x environmental interactions for psychiatric disorders: A multilevel modelling approach
School of Geographical Sciences, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
Second supervisor

- 8 2016 – 2019 Satpal Sandhu
Analysis of longitudinal craniofacial growth data to examine growth trajectories and pattern, factors influencing the growth, and to develop growth prediction model.
Graduate School of Education, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
Joint first supervisor

- 7 2015 – 2019 Beatriz Gallo Cordoba
Statistical modelling of ethnic achievement gaps in Colombia
Graduate School of Education, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
First supervisor

- 6 2015 – 2020 Merve Demiralp
The C-test as a Second Language Proficiency Estimate and Screening Test in Turkish: An Argument-based Validation Study
Graduate School of Education, University of Bristol
Funded by Turkish Ministry of Education
Second supervisor

- 5 2014 – 2018 Nina Zhang
Modelling China's Interprovincial Migration between 2000 and 2010
School of Geographical Sciences, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
Third supervisor

- 4 2014 – 2018 Gareth Griffith
Investigating inequalities in UK mental health using advanced multilevel methodologies
School of Geographical Sciences, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
Second supervisor

- 3 2012 – 2016 Dillon Browne
Social disadvantage gets inside the family: Examining bio-psychosocial family processes as mediators in the emergence of developmental health inequalities
Ontario Institute for Studies in Education, University of Toronto
External supervisory committee member

- 2 2012 – 2016 Puneet Tiwari
Latent Variable Mixture Models for Heterogeneity in Innovation
School of Economics Finance and Management, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
Second supervisor

- 1 2011 – 2015 Dewi Owen
Measuring Residential Segregation In England And Wales: A Model-Based
Approach
School of Geographical Sciences, University of Bristol
ESRC funded SWDTC Advanced Quantitative Methods Pathway student
Second supervisor

PhD viva panels as external examiner:

January 2025	Department of Statistics, Lund University, Sweden. <i>Declined.</i>
May 2024	Centre for Advanced Spatial Analysis (CASA), The Bartlett Centre for Advanced Spatial Analysis, King's College London. <i>Declined.</i>
March 2024	Institute of Psychiatry, Psychology and Neuroscience, Kings College London. <i>Declined.</i>
May 2023	Social and Political Sciences, Philosophy, and Anthropology, University of Exeter. <i>Declined.</i>
November 2021	Laura Zieger, UCL IOE 'Essays on the psychometric and statistical properties of the Programme for International Student Assessment'
March 2018	Eduardo Lucio, Institute for Social Science Research, The University of Queensland 'Extending Imputation Methods for Non-normal Hierarchical Data: An Application to a Longitudinal Survey in the Philippines'
June 2017	Institute of Education, UCL. <i>Declined.</i>
June 2016	Dillon Browne, Ontario Institute for Studies in Education, University of Toronto 'Social disadvantage gets inside the family: Examining bio-psychosocial family processes as mediators in the emergence of developmental health inequalities'
September 2015	Patricio Troncoso, Social Statistics, Cathie Marsh Centre for Census and Survey Research, School of Social Sciences, University of Manchester 'Beyond the traditional school value-added approach: Analysing complex multilevel models to inform external and internal school accountability in Chile'
January 2014	Tom Macintyre, Centre for Educational Sociology, University of Edinburgh 'Using and Applying International Survey Data on Mathematics and Science Education'
January 2014	Will Cook, Social Statistics, Cathie Marsh Centre for Census and Survey Research, School of Social Sciences, University of Manchester 'Modelling the effects of the inclusion of pupils with additional support needs (ASN) on attainment and attendance in primary schools'

PhD viva panels as internal examiner:

Spring 2023	Jing Zhang, School of Education, University of Bristol 'China's university English teachers' language assessment literacy in the digital age'
October 2022	Jeongeun Park, School of Education, University of Bristol 'A longitudinal examination of occupational aspirations in middle childhood and adolescence
June 2019	Suh Keong Kwon, School of Education, University of Bristol 'The impact of visual cues on second language listening comprehension process and performance: An eye-tracking study'
August 2016	Lei Zhang, Graduate School of Education, University of Bristol 'School and Teacher Effectiveness of Senior High Schools in Western China'

PhD viva panels as independent chair:

May 2021 Emily Eyles, School of Geographical Sciences, University of Bristol

December 2019 Emily Eyles, School of Geographical Sciences, University of Bristol

PhD upgrade panels as external examiner:

April 2023	Jennifer Richardson, School of Geographical Sciences, Neag School of Education, University of Connecticut <i>Reader for dissertation proposal and attendee of proposal defence</i>
March 2017	Amy Sweet, School of Geographical Sciences, University of Bristol <i>Second examiner</i>
May 2014	Dillon Browne, Ontario Institute for Studies in Education, University of Toronto <i>Second examiner</i>

PhD upgrade panels as internal examiner:

March 2023	Chengcheng Ma, School of Education, University of Bristol <i>First examiner</i>
March 2019	Chengcheng Ma, School of Education, University of Bristol <i>First examiner</i>
January 2018	Merve Demiralp, School of Education, University of Bristol <i>First examiner</i>
May 2017	Duygu Cavda, Graduate School of Education, University of Bristol <i>Second examiner</i>
February 2017	Suh Keong Kwon, Graduate School of Education, University of Bristol <i>First examiner</i>
May 2014	Lei Zhang, Graduate School of Education, University of Bristol <i>Second examiner</i>
June 2012	Rebecca Pillinger, Graduate School of Education, University of Bristol <i>Second examiner</i>
November 2011	Toni Price, Graduate School of Education, University of Bristol <i>Second examiner</i>

PhD annual progress meeting panel:

May 2024	Tiantian Zhang, School of Education, University of Bristol. <i>First examiner</i>
May 2024	Ruoyu Wen, School of Education, University of Bristol. <i>First examiner</i>
April 2024	Alessia Frola, School of Education, University of Bristol. <i>First examiner</i>
April 2024	Xiaohang Feng, School of Education, University of Bristol. <i>First examiner</i>
August 2017	Adrian Sayers, Musculoskeletal Research Unit, University of Bristol. External panel member. <i>Second examiner</i>
September 2015	Adrian Sayers, Musculoskeletal Research Unit, University of Bristol. External panel member. <i>Second examiner</i>
August 2014	Bobby Stuijtzand, School of Experimental Psychology, University of Bristol <i>Second examiner</i>

Edd viva panels as external examiner:

January 2024	School of Psychology and Life Sciences, Canterbury Christ Church University. <i>Declined.</i>
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EdD viva panels as internal examiner:

March 2020

Kim Ying Lim, School of Education, University of Bristol

‘A mixed methods approach to understanding the relationship between computing students’ approaches to learning and academic performance for different entry pathways’

EdD viva panels as independent chair:

Novemeber 2024	Francis (Terry) Molloy, School of Education, University of Bristol
April 2023	Bonnie McGlynn, School of Education, University of Bristol
February 2022	Tim (Edgar) Chow, School of Education, University of Bristol

EdD teaching:

2016, 2018	EdD: Conducting Educational Research: Quantitative Analysis (one lecture) <i>Unit lecturer</i>
2014, 2015	EdD: Research Methods in Learning, Leadership and Policy (one lecture) <i>Unit lecturer</i>

EdD Hong Kong dissertation supervision:

2020	Pui Shan (Carol) Sze <i>Second supervisor (Second supervisor: Bruce Macfarlane)</i>
2020	Gloria Tsz Yim Leung <i>Second supervisor (Second supervisor: William Browne)</i>
2017 – 2020	May Lo Chew Me <i>First supervisor (Second supervisor: Liz Washbrook)</i>
2017	Pui Shan (Carol) Sze <i>Brief period of first supervision before permanent supervisor could be found</i>

MSc teaching:

2024/25	MSc Quantitative Research Methods in Psychology <i>Unit Director</i>
May 2022	Educational Effectiveness (one lecture) KU Leuven Guest lecture
2016/17, 2017/18, 2018/19, 2019/20, 2020/21, 2021/22, 2022/23, 2023/24	MSc Statistics in Education (a.k.a. Introduction to Quantitative Methods for MSc Education Research and PhD students) (50% of the 20-credit unit) <i>Unit lecturer</i>
2015/16, 2016/17, 2017/18, 2018/19, 2019/20, 2020/21, 2021/22, 2022/23, 2024/25	MSc Multivariate Statistical Methods in Education (a.k.a. Advanced Quantitative Methods in the Social Sciences for MSc Education Research and PhD students) (50% of the 20-credit unit) <i>Unit director and lecturer</i>
2017/18	MSc Philosophy and Research Design (marking one assignment) <i>Unit tutor</i>
2017/18	MSc Mathematics and Programming Skills (33% of the 20-credit unit) <i>Unit lecturer</i>
2015/16	MSc Quality and Improvement in Education (one lecture) <i>Unit lecturer</i>
2012/13, 2013/14	MRes Quantitative Analysis III (one lecture and one practical) UCL Institute of Education, London <i>Guest lecturer</i>
2011/12	MSc Regression Analysis in Social Science (2 days) Graduate School of Education, University of Bristol <i>Unit leader</i>
2005/06, 2006/07, 2007/08	MSc Introduction to Microeconometric Methods (5 one-hour tutorials) Department of Economics, University of Bristol <i>Unit tutor</i>
2005/06, 2006/07, 2007/08	MSc Quantitative Methods in Economics (10 one-hour tutorials repeated 3 times) Department of Economics, University of Bristol <i>Unit tutor</i>

MSc dissertation supervision:

2022/23	Diego Maury Romero, School of Geography, University of Bristol
2017/18	Fen Qiu, School of Education, University of Bristol
2016/17	Chang Song, Graduate School of Education, University of Bristol
2011/12	Rosa Mann, Graduate School of Education, University of Bristol

Undergraduate teaching:

2017/18	Year 1 - Convincing Stories <i>Unit tutor (three two-hour seminars)</i>
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Masters personal tutor:

2022/23	8 students
2021/22	9 students
2019/20	1 student
2017/18	19 students

ACADEMIC LEADERSHIP AND CITIZENSHIP**External professional activities: International**

November 2024	Invited respondent to QS Global Academic Survey. <i>Declined.</i>
October 2024	Invited respondent to Times Higher Education's Global Academic Reputation Survey. <i>Declined.</i>
June 2024	Zoom meeting with Anna Soloveva, Department of Education, Uppsala University about MAIHDA
March 2024	Approach to collaborate with Education and Training Evaluation Commission (ETEC) in Saudi Arabia. <i>Declined.</i>
February 2024	Invited to join editorial board member at China Finance Review International. <i>Declined.</i>
February 2024	Invited to join editorial board member at Scientific Reports. <i>Declined.</i>
January 2024	Invitation to Participate in the QS Global Academic Survey: Invitation via nomination made by University of Auckland
December 2023	In-person meeting joint with Professor Sally Thomas with visiting academic Associate Professor Michiyo Nishino, Centre for Education in Liberal Arts and Sciences, Osaka Sangyo University, Japan
November 2023	Invited respondent to Times Higher Education's Global Academic Reputation Survey <i>selected based on record of research publication. Declined.</i>
June 2023	Invited to join editorial board as associate editor at Frontiers in Pediatrics. <i>Declined.</i>
May 2023	Invited to join editorial board at Future in Educational Research. <i>Declined.</i>
March 2023	Member of shortlisting and interview panels for PhD position on grant held by KU Leuven.
February 2023	Invited to join editorial board as associate editor at Frontiers in Public Health. <i>Declined.</i>
January 2023	Email discussion with Research Director EsadeEcPol Center for Economic Policy in Spain about school value-added analyses.
November 2022	Invited respondent to Times Higher Education's Global Academic Reputation Survey <i>selected based on record of research publication. Declined.</i>
October 2024 – September 2029	Methodological advisor on ERC Consolidator grant: Understanding Trajectories of Wealth Accumulation and Their Variability.
June 2022	One-to-one discussion with Dr Susana Claro, Education Quality Agency, Chile about the methodological design of the Chilean school performance tables and accountability system. <i>Cancelled.</i>

June 2019	One-to-one discussion with Israel Academy of Sciences about school value added models
2018 - 2019	Trinidad and Tobago Department for Education: Advising on school value-added models
2018 - 2019	Sweden Department for Education: Advising on school value-added models
March 2018	Discussions with Bulgarian minister of education and heads of directorates as expert member of World Bank team
2015	Advisor for Slovak Republic National Institute for Certified Educational Measurements: Schools Value-Added Report
2014	Advisor for ICFES Value Added in Higher Education Workshop, Colombian Evaluation Institute, Colombia

External professional activities: National

October 2024	Discussion with Tom Moseley about the 2020 GCSE and A-level exams fiasco, BBC Radio 4, You and Yours.
2024/25 – 2027/28	External Examiner to University of Sheffield MA in Social Research and CDT Data Analytics and Society PHD with integrated MSc
September 2024	Created Fairer Schools Index 2023 for Northern Powerhouse Partnership (NPP)
September 2024	Focus group participant on discussion on “Secondary school performance measures in England – Their effectiveness, effects and an exploration of alternative approaches”
Autumn 2024	Mentor on Laura Tinner Welcome Trust Early Career Fellowship.
July 2024	Research Discussion with Diana Tonin, Ofqual and University of Oxford.
June 2024	Research Discussion with Pauline Brown, University of Manchester.
May 2024	Invitation to speak at “The Schools & Academies Show”, London ExCeL”. <i>Declined.</i>
April 2024	Invited research participant in a “School Accountability Study” by University of Sheffield.
February 2024	Invited steering group member of NIHR HSDR study. <i>Declined.</i>
February 2024	Discussion with Henri Murison, Director of Northern Powerhouse Partnership, Sarah Mulholland, and Frank Norris, advisor.
December 2023	Oral evidence quoted seven times in House of Lords Education for 11–16 Year Olds Committee Report of Session 2023–24 “Requires improvement: urgent change for 11–16 education”
December 2023	Invited member of ESRC ADR UK Fellowships funding panel
November 2023	Invited reviewer of ESRC ADR UK Fellowships proposals
October 2023	Advisor on ERC Starter grant application.
June 2023	Invited presentation of teacher predicted A-level grades research to UCAS
June 2023	Invited oral evidence given to House of Lords Committee on Education for 11 to 16 Year Olds with reference to Progress 8 accountability measure, its effectiveness, and implications to changes to it.
April 2023	Invited participant of UKRI ESRC Data Services of the Future workshop. <i>Declined due to other commitments.</i>
February 2023	Discussion with James Zuccolo at Education Policy Institute (EPI).
February 2023	ESRC ADR-UK NPD Training Consultation.

January 2023	Discussion with Carolyn Wong at UCAS.
January 2023	Invited written peer review comments on Department for Education methodological outline report
January 2023	Invited mentor on ESRC ADR-UK fellowship. <i>Declined due to other commitments.</i>
December 2022	Invited member of Scientific Committee for Office for National Statistics organised Conference on Administrative Data Research, on behalf of ADR UK. <i>Declined due to other commitments.</i>
November 2022	Invited attendee at "UK LLC Workshop - Understanding DWP, HMRC and National Pupil Database data requirements for the longitudinal community. <i>Declined due to other commitments.</i>
November 2022	Written response to ESRC request on guidance on potential training resources for applying to NPD
November 2022	ADR UK Showcase for Ambassadors, London
July 2022 –	ADR UK Ambassador <i>for increasing and improving the use of administrative data in academia for research to inform policy</i>
July 2022	Knowledge exchanged with Education Datalab
June 2022	Discussion with Andrew Boyle Director of Quantitative Research at AlphaPlus and Analysis and Ben Smith Senior Statistician at AlphaPlus about 2020 CAGs.
May 2022	Discussion with Alex Jones Ofsted Director for Insights and Research
May 2022	Discussion with Warwick Mansell around challenges of applying to use DfE NPD, access via ONS SRS, and delays to DfE NPD data release
April 2022	Meeting with UKRI ESRC, MoJ, DfE and academics about 'Building admin data communities'
February 2022	Invited mentor on Fran Azpitarte ESRC SDAI grant proposal.
February 2022	Meeting with Office for Statistics Regulation (OSR) DfE to discuss "Assessment of Statistics on Key Stage 4 Performance produced by the Department for Education"
February 2022	Meeting with DfE to discuss the multilevel analysis presented in their "Children's social care: Drivers of Activity" research report.
February 2022	Submitted statement to Education Policy Institute (EPI) consultation report "The Features of Effective School Groups: Measuring pupil inclusion at school-group level"
July 2021- December 2022	ESRC SDAI Project Advisory Board - Does father involvement increase children's Educational attainment at primary school?

April 2021	Invited observer at ADR UK ESRC programme ECHILD Government Stakeholder Meeting, <i>declined as too busy</i>
February 2021	Signatory to letter from Comprehensive Future, backed by 24 well-known academics and educationalists, calls for the grammar school entry test data to be “subjected to the same kind of scrutiny as every public exam”.
June 2020	Submitted written evidence to Education Select Committee on “Left behind white pupils from disadvantaged backgrounds”. <i>Published online September 2020 as LBP0008.</i>
April 2020	Round table discussion on Progress 8 with 15 others. <i>Via Zoom.</i>
April 2020	Submitted statement to Ofqual consultation on ‘GCSE and A level grading proposals for 2020’
2019 - 2021	Member of the WISERD Education Data Lab Steering Group
September 2019	Discussion with Sparx about research collaboration with CMM and potential co-funded PhD studentship
September 2019	Discussion with Ofsted about general research collaboration with UoB and potential PhD studentship
August 2019	Discussion with Education Campaigns Manager at Humanists UK about Progress 8
June 2019	Office for National Statistics, Working group on Data for Children project
2019	Discussion with Director and Chief Economist of Northern Powerhouse Partnership
April 2019	Presentation of Progress 8 research to Emma Hardy MP (Education Select Committee member) at Portcullis house
March 2019	Presentation of Progress 8 research to MPs at private meeting with UK Parliament Education Select Committee
March 2019	ESRC Steered Studentship Assurance Checking virtual funding panel
February 2019	Office for Standards in Education, Children's Services and Skills (Ofsted) knowledge exchange meeting about potential Ofsted projects and Progress 8 research
February 2019	Discussion with Head of Co-Op Academies about Progress 8
2018	Office for Student (OfS) Benchmarking review advisory group
October 2018	Discussion with Headmaster of school in North West about Progress 8
October 2018	Office for Standards in Education, Children's Services and Skills (Ofsted) knowledge exchange meeting about potential Ofsted projects and Progress 8 research

November 2017	Discussion with DfE regarding proposed research on evaluating competing statistical methods for measuring school performance
November 2017	Discussion with HEFCE regarding proposed research on evaluating competing statistical methods for measuring school performance
2017	Higher Education Funding Council England (HEFCE) Learning Gain Expert Group
2017 – 2019	Associate Editor for Journal of the Royal Statistical Society: Series A (Statistics in Society)
May 2017	Economic and Social Research Council (ESRC) commissioning funding panel for NCRM Phase II Call 2017
2016	Discussion with HEFCE regarding incorporating visualisation of statistical uncertainty in their university comparisons website UniStats
2012 – 2014, 2015 – 2019	Academic member of the Economic and Social Research Council's (ESRC) Peer Review College
2015 – 2016	Advised Reclaiming Schools website and the Charter for Primary Education on the predictive validity of baseline tests for KS2 scores.
2015	Member of Sutton Trust Evaluation Framework Advisory group
2014	Advised The Times and Sunday Times Data Team on Key Stage 4 to Key Stage 5 value-added scores
2014	Department for Education: Discussion with Professor Kane on teacher effectiveness research
2013	Department for Education: Development of family indicators in NPD meeting
2013 – 2015	Member of the Royal Statistical Society's Social Statistics Section committee
2012 – 2014	Member of Department for Education: 16-19 Bursary Fund Impact Evaluation steering group
2011	British Academy Policy Forum: League Tables in the Public Sector
2011 – 2015	Member of the Royal Statistical Society's Professional Development Centre steering committee

Internal professional activities: University-level (University of Bristol):

2023	Mentor on application for Wellcome Early-Career Award grant proposal. <i>In development.</i>
2021 –	Academic Integrity Network
2020	Peer reviewer for ESRC grant proposal for SSCM academic
2016, 2017	Member of shortlisting and interview panels for Social Science and Community Medicine MRC grant Senior Research Associate position
November 2016	Meeting about Teaching Excellence Framework (TEF) with Pro Vice-Chancellor for Education and Students, University of Bristol
2015 –	Co-Director Centre for Multilevel Modelling, University of Bristol
2016	Member of mock interview panels for MRC Skills Development Fellowship
2013 – 2015	Faculty of Social Sciences and Law representative of the Research Data Storage and Management Board (RDSMB), University of Bristol

Internal professional activities: Faculty-level (Faculty of Social Science and Law, FSSL):

2024	UPER for ESRC Standard Grant proposal
2024	Member of the BPI Education and Inequalities Research Cluster
2023	Mentor on application for ERC Starter Grant proposal. <i>In development.</i>
2023	Mentor on application for ESRC New Investigator grant proposal.
2022	Member of plagiarism panel for PhD student in the faculty (external to SoE)
2022	Reviewer for ESRC Call to Use Secondary Data to Focus on Global South grant proposal
2022	UPER for ESRC grant proposal
2022	Mentor on application for Early Career Fellowship Leverhulme Trust
2021 –	Member of FSSL School Academic Integrity Officers meetings
2021	Member of plagiarism panel for PhD student in the faculty (external to SoE)
2014 – 2017	Mentor on multilevel modelling for ESRC Future Research Leaders: 'Attitudes to Domestic Violence in Low- and Middle-income Countries: A multi-level Approach to Prevention'. Dr LynnMarie Sardinha, Social Policy and International Studies, University of Bristol.
2011, 2012, 2013, 2014, 2016	Member of the South-West Doctoral Training Centre (SWDTC) 'Advanced Quantitative Methods' (AQM) Pathway PhD student short listing panel
2004 –	Member of Centre for Market and Public Organisation (CMPO)
2015, 2016	Member of the South-West Doctoral Training Centre (SWDTC) 'Advanced Quantitative Methods' (AQM) Pathway PhD student interview panel
2014	Member of interview panels for Lecturer/Senior Lecturer/Reader (×1) positions
2014	Reviewer for British Academy Postdoctoral Fellowship application

Internal professional activities: School-level (School of Education, SoE):

2024/25	SoE Psychology of Education Team Meetings
2024/25	SoE Doctoral Studies Committee Meetings
2024	Presentation on CMM at Introduction to Research Centres and Networks for PGRs/PGTs
2024	Sponsor for Honorary Research Associate Application: Dr Obiageri Bridget Azubuike
2019 - 2024	Sponsor for Honorary Research Associate: Dr Satpal Sandhu
2024	Reviewer for UKIR ESRC Metascience grant proposal
2024 -	Academic Support Manager
2024	Academic and research mentor to new Associate Professor
2024	Reviewer of an article for a candidate for the Professor of Social Psychology position
2023/24, 2022/23, 2021/22	Reviewer for annual Staff Review and Development meetings (×5 per year)
2023	Invited member of Special Advisory Group for Nuffield Trust grant led by Cathryn Knight.
2023	Interview panel member for Senior Lecturer in Education's (Digital Technologies) interviews <i>To be readvertised</i>
2023	Mentor on application for ESRC New Investigator grant application
2022	Halfway Initial Service Review for Senior Lecturer
2022	Reviewer for Nuffield grant proposal
2022	Reviewer of study leave applications
2022 –	Academic and Research mentor to new Senior Lecturer
2021 – 2022	School Academic Integrity Officer
2021	Teaching observation to Pathway 3 staff member
2021	Reviewer for Turing Fellowship proposal
2021	Reviewer for ESRC SDAI grant proposal
2020	Reviewer for ESRC grant proposal Covid-19 open call

2020	Reviewer for ESRC grant proposal
2019	Reviewer for Turing Fellowship proposal
2019 – 2022	School exams officer
2019 – 2021	School plagiarism officer
2019	Member of interview panel for Administrative Staff member
2018	Reviewer for Turing Fellowship proposal
2018 – 2021	Member of the Athena Swan award Working Group
2017 –	MSc Education Pathway Coordinator
2017, 2019	Member of the PhD Annual Programme Review panel
2016	Member of the Finance and Funding Working Group
2015 – 2021	Member of the Impact Research Committee Working Group
2015 –	Member of the Centre Directors' Research Committee
2014	GSoE Research Director's workshop 'Research opportunities for post docs and early career fellowships'
2014	Reviewer for GSoE peer review process: British Academy proposal
2010 – 2012	Budget holder for e-STAT ESRC grant
2011, 2012, 2014	Member of PhD upgrade panels (×3)
2011 –	Associate member of Centre for Assessment and Evaluation Research (CAER)
2010 – 2012	Member of GSoE Quantitative Methods Forum

Internal professional activities: Centre-level (Centre for Multilevel Modelling, CMM):

2023	Chair of interview panel for ESRC ADR UK PhD studentship
2019	Chair of interview panel for Research Associate position
2015 –	Co-Director Centre for Multilevel Modelling, University of Bristol
2014	Network Public Engagement Co-ordinator for CMM
2010 – 2015	Fire warden for CMM
2010 – 2014	Member of CMM interview panels for Research Assistant (×2), Research Associate (×2) positions
2005 – Present	Member of CMM reading group

Referee reports for research council grant proposals:

Welcome Trust Early Career Fellowship, 2024

Economic and Social Research Council (ESRC): ADR-UK Fellowships, 2023 (×11)

Economic and Social Research Council (ESRC): New Investigator Grant, 2021

Economic and Social Research Council (ESRC): Secondary Data Analysis Initiative, 2017

Economic and Social Research Council (ESRC): NCRM Commissioned Research Projects - Phase II, 2017 (×5)

Economic and Social Research Council (ESRC): Advanced Training Initiative, 2014 (×2)

Economic and Social Research Council (ESRC): Mid-Career Development Fellowships (Open Call), 2011

Economic and Social Research Council (ESRC): Research Grants (Open Call), 2011, 2016

The Leverhulme Trust

National Health Service (NHS) National Institute for Health Research (NIHR) Public Health Research programme

National Science Foundation (NSF): Methodology, Measurement, and Statistics

Netherlands Organisation for Scientific Research (NWO) Social Sciences Board, 2016

Research Council Katholieke Universiteit Leuven, 2012

Research Foundation - Flanders (FWO)

Research Grants Council, Hong Kong

Referee reports for peer reviewed journals:

Annals of Applied Statistics

Assessment in Education: Principles, Policy & Practice

British Educational Research Journal

British Journal of Mathematical and Statistical Psychology

Economics and Human Biology

Effective Education

Evaluation Review

Fiscal Studies

Health Economics

International Journal of Research & Method in Education

International Journal of Social Research Methodology

Journal of Applied Statistics

Journal of Economic Geography

Journal of Educational and Behavioral Statistics

Journal of the Royal Statistical Society: Series A

Journal of the Royal Statistical Society: Series C

Journal of Statistical Software

Methodology

Multivariate Behavioral Research

PLoS ONE

Psychological Methods

Psychometrika

Quality & Quantity

Social Science & Medicine – Population Health

Sociological Methods and Research

Statistics in Medicine

Referee reports for academic promotion:

Reference for a promotion to Professor application at University of Cambridge, 2024

Reference for a promotion to Associate Professor application at University of UCL IOE , 2024

Reference for a promotion within the Full Professor scale at University of Bath, 2023.

Reference for a promotion within the Full Professor scale at University of Southampton, 2023.

Reference for a promotion within the Full Professor scale at University of Southampton, 2022.

Reference for a promotion to Full Professor application at UCL IOE, 2022.

Reference for a promotion to Full Professor application at University of Manchester, 2021. *Declined due to COVID-19*

Reference for a promotion to Full Professor application at University of California, Davis, 2021

Reference for a promotion to Associate Professor application at University of Groningen, 2020

Reference for a promotion to Associate Professor application at UCL IOE, 2018

Other referee reports:

Personal references of former PhD students and post docs, 2011-

Book proposal review for Sage, 2019

Book proposal review for Elsevier / Academic Press, 2016

Book chapter review for Sage

Academic reviewer for Economic and Social Research Council's (ESRC) Advanced Quantitative Methods Enhanced Stipend Assessment, 2011

Entry reviews for Encyclopaedia of Quality of Life Research. Springer Reference

Statistical modelling training courses attended (since 2013):

Workshop on Secondary Analysis of ILSA in Education. October 2022. One-day of four-day workshop.

Performing multivariate meta-analysis in Stata. Gabriela Orteiz. April 2022. One-hour webinar.

Latent class analysis using Stata. Meghan Cain. April 2022. One-hour webinar.

Reproducible reporting—Creating customized reports in Word, Excel, and PDF. Gabriela Orteiz. April 2022. One-hour webinar.

Machine Learning: Theory and Applications. Doug Steinley. May 2022. 5-day course online.

Applied Measurement Modeling. Patrick Curran & Greg Hancock. May 2022. 5-day course online.

Regression modeling for continuous, binary, and count outcomes. Chris. April 2022. One-hour webinar.

Working with epidemiologic data in Stata. Gabriela Orteiz. April 2022. One-hour webinar.

Causal inference for complex observational data. April 2022. Chuck Huber. One-hour webinar.

Introduction to customizable estimation tables webinar. Chuck Huber. March 2022. One-hour webinar.

Bayesian multilevel modeling in Stata webinar. Meghan Cain. February 2022. One-hour webinar.

Bayesian analysis using Stata webinar. Chuck Huber. February 2022. One-hour webinar.

Introduction to survey statistics using Stata. Chuck Huber. February 2022. One-hour webinar.

Longitudinal Structural Equation Modeling. Patrick Curran and Dan Bauer. Online. June 7-11 2021. 5-day course online.

Latent class analysis in Stata. Meghan Cain. 18 May, 2021. One-hour webinar.

Customizable Tables With Stata 17. Chuck Huber. 11 May, 2021. One-hour webinar.

Mediation and Moderation in Stata. Meghan Cain. 23 February, 2021. One-hour webinar.

Multilevel Modeling. Patrick Curran and Dan Bauer. Online. 8-12 June 2020. 5-day course online.

An Introduction to Machine Learning using Stata. Online. 1-2 June 2020.

Structural Equation Modelling. Patrick Curran and Dan Bauer. Online. May 6-8 2020. 3-day course online.

Quantile Regression for Longitudinal and Multilevel Data, Nikos Tzavidis, Bamberg. 10 October 2018.

Mixed Models for Longitudinal Categorical Outcomes. Donald Hedeker. ASA webinar. 16 July 2015.

Multilevel Structural Equation Modeling in R. Paras Mehta. 10th International Multilevel Conference, Utrecht. 7 April 2015.

The Application of Item Response Models using R. Dave Hessen. VI European Congress of Methodology, Utrecht. 22 July 2014.

Structural Equation Modeling with lavaan. Yves Rosseel. VI European Congress of Methodology, Utrecht. 22 July 2014.

Geographically Weighted Modelling. Martin Charlton, Chris Brunsdon and Paul Harris. University of Bristol. 23-24 April 2014.

A 2 Day course on Longitudinal and Incomplete Data. Geert Verbeke and Geert Molenberghs. RSS, London. 26-27 March 2014.

Inference for Clustered Data. Colin Cameron. IFS, London. 11 October 2013.

Simulation Methods. Colin Cameron. IFS, London. 10 October 2013.

Joint Modelling of Repeated Measurement and Event Time Data in Clinical Research. RSS Conference, Newcastle. 2 September 2013.

Affiliations:

2019	Member of the British Educational Research Association (BERA)
2013	Fellow of the Higher Education Academy (FHEA)
2011 – 2014	Research Associate, Department of Economics, University of York
2009 – 2010	Member of the British Educational Research Association (BERA)
2007 – Present	Fellow of the Royal Statistical Society
2005 – Present	Research Associate, CMPO, Department of Economics, University of Bristol

Referees:

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Professor Fiona Steele FBA OBE
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