CALUM WEBB

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calumwebb.uk 🖥

Sociologist and data scientist looking to put the power of data into the hands of people who need it most. I've created statistically sound measures of multidimensional poverty that blend the material with the social and psychological; led research using cutting-edge multilevel spatial analyses of children's social services interventions; and implemented low-cost data management and visualisation tools in the third sector and public sector.

I want to build useful things and do helpful research in partnership with people whose voices aren't heard.

PROGRAMMING SKILLS

5 Years Experience in **R**
6 Years Experience in **Mplus**
7 Years Experience in **SPSS**
6 Years Experience in **STATA**
9 Years Experience **MS Excel**

METHODS TRAINING/SKILLS

General Linear Regression Models
Mediation and Moderation Analysis
Factor Analysis
Statistical Reliability & Validity Testing
Measurement Invariance Testing
Structural Equation Modelling
Latent Growth Curve Modelling
Cluster Analysis
Multilevel Modelling
Advanced Spatial Regression Analysis
Multiple Imputation Methods for Missing Data
Social Network Analysis
Iterative Mixed Methods Design
Mixed Methods Case Study Design
Coproduction and Participatory Research Design
Research Ethics and Integrity

CITATION STATISTICS

Number of publications: 18
(2 forthcoming)
Citations since 2014: 130
h-index: 5
i10-index: 3

SELECT PUBLICATION

Webb, C. & Bywaters, P. (2018) Austerity, rationing and inequity: trends in children's & young peoples' services expenditure in England between 2010 and 2015. *Local Government Studies.*

EDUCATION

The University of Sheffield   Oct. 2015 - Jul. 2019
PhD Sociology

Thesis: Constructing a reliable and valid measure of multidimensional poverty. Awarded without corrections. ESRC White Rose Scholarship.

The University of Sheffield   Oct. 2014 - Oct 2015
MA Social Research Methods   Distinction

Dissertation: Children's outcomes and labour market activation: the potential of structural equation modelling and multivariate statistics for evidence based policy making. ESRC White Rose Scholarship.

The University of Sheffield   Oct. 2011 - Sept. 2014
BA(Hons) Sociology   First Class

EMPLOYMENT

The University of Sheffield   Feb 2015 - Present
Research Associate & University Teacher

- Worked in partnership with Sheffield City Council to develop a policy learning tool for anti-poverty policy design.

- Led analysis of children's services expenditure data in England and quantitative mixed methods lead for English case studies on the £0.55million Nuffield Foundation funded research project.

- Led analysis of survey data for the Family Rights Group's Care Crisis Review.

- Consultant methodologist for £0.26million research project analysing drivers of demand and socioeconomic inequalities in progression through the child protection system.

- Developed the Child Welfare Inequalities Project App (*www.cwip-app.co.uk*) to consolidate and visualise children's services data in an open source Shiny application.

- Developed the Anti-Poverty Practice Guide for Social Work with the British Association of Social Workers.

- Associate Fellow of the Higher Education Academy.

- Published journal articles in high impact journals, with one article (Webb & Bywaters 2018) being in the top 1% of articles shared online.

- Co-founded the Artificial Intelligence in Housing, Welfare, and Social Care Network (*ai-hows.sheffield.ac.uk*).