

Scott Oatley

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Areas of Specialisation

Educational Inequalities, Youth Transitions, Social Stratification, Social Class, Economic Activity, Quantitative Methods, Longitudinal Data Analysis, Research Transparency and Reproducibility.

EDUCATION

2021 – 2024 *PhD Sociology* — *University of Edinburgh* [1a]

ERSC Funded

Thesis Title: Youth in Transition: Longitudinal Comparisons of Youth Transitions in the UK using Cohort and Synthetic Cohort Data

Submitted: February 2025

Expected Viva: April 2025

Supervisors: Professor Vernon Gayle and Dr Roxanne Connelly.

2020 – 2021 *MSc Sociology* — *University of Oxford* [1b]

Thesis Title: Mobility and Consequences: How does social class mobility affect life satisfaction in the UK?

Supervisor: Prof Colin Mills

2017 – 2020 *BSc Sociology* — *London School of Economics* [1c]

Teaching Experience

Bachelor Level

2025, SEM2 *Multi-level Modelling in Social Science (PGSP11424)* — University of Edinburgh, Marking (Course coordinator: Dr Alan Marshall) [2a]

2025, SEM2 *Multi-level Modelling in Social Science (SSPS10024)* — University of Edinburgh, Marking (Course coordinator: Prof Lindsay Paterson) [2b]

2025, SEM2 *Introduction to Political Data Analysis (PLIT08009)* — University of Edinburgh ~20 students per lab, (Course coordinator: Dr Joe Greenwood-Hau) [2c]

2024, SEM1 *History of Western Medicine (STIS08009)* — University of Edinburgh, Marking (Course coordinator: Dr Lukas Engelmann) [2d]

2024, SEM1 *Mathematics for Social Science (SSPS0809)* — University of Edinburgh ~40 students per lab, two labs taken (Course coordinator: Prof Lindsay Paterson). [2e]

2022-2025, SEM2 *Doing Survey Research (SCIL10063)* — University of Edinburgh
~20 students per lab, two labs taken (Course coordinator: Dr Kevin Ralston). [2f]

2023, SEM2 *Empires (SCAN08010)* — University of Edinburgh, Marking (Course
coordinator: Dr Chisomo Kalinga) [2g]

2023, SEM2 *Intimate Relations (SCIL10023)* — University of Edinburgh, Marking
(Course coordinator: Prof Lynn Jamieson) [2h]

2023, SEM1 *Sociology IA: The Sociological Imagination (SCIL08004)* — University
of Edinburgh ~10 students per seminar, four classes taken (Course coordinator: Dr Lisa
McCormick) [2i]

Master Level

2022, SEM2 *Longitudinal Data Analysis (PGSP11487)* — University of Edinburgh,
~10 students per class, two classes taken (Course coordinator: Prof Vernon Gayle) [2j]

Other Teaching Experience

Courses Taught

20/10/24 **SGSSS Student Led Training Initiative — Handling Missing Data.**
ESRC funded via the Scottish Graduate School of Social Science to design and deliver a
short course on the construction and development of Handling Missing Data Methods in
Stata and R. (~40 attendance). [2k]

20/10/24 **SGSSS Student Led Training Initiative — Survey and Questionnaire
Construction Using the Shiny Package in R.** ESRC funded via the Scottish Graduate
School of Social Science to design and deliver a short course on the construction and
development of survey based web applications using the Shiny package in R. (~20
attendance). [2l]

20/09/23 **SGSSS Student Led Training Initiative — Jupyter Notebooks:
Improving Workflow for Social Science Research.** Funded by the ESRC Scottish
Graduate School of Social Science to design and deliver a short course on how to install,
setup, and add additional extensions to a Jupyter environment to aid in promoting open
scientific practices (~20 attendance). Both [written](#) and [audio](#) training resources are
provided. [2m]

Guest Lectures

10/23 & 10/22 **Guest Lecture – Research Skills in the Social Sciences: Data
Collection (PGSP11016)** – University of Edinburgh, *Constructing Surveys and
Questionnaire Design* (~60 students). [2n]

Professional Experience

01/24-04/24 Research Assistant – *Data wrangling, descriptive statistics, and analysis using the Wealth and Assets Survey in R* – University of Edinburgh, *Department of Sociology*. Link to project [here](#). [3a]

09/22-06/23 Research Assistant - *Recreating the BBC Class Calculator using open science principles* – University of Edinburgh, *Department of Sociology* – Extending the tool by adding an additional selection of social class schema – NS-SEC and a simplified Neo-Marxian schema. Project ended with a total of seven schema being added: BBC GBCS, NS-SEC, Neo-Marxian simplified, Neo-Marxian complete, RGSC, CAMSIS, and GBCS 2013. Link to project code [here](#) and project home page [here](#) [3b]

Academic Services

Reviewer: *Methodological Innovations, Sociological Perspectives* [3c]

Member: *Society for Longitudinal and Lifecourse Studies* [3d]

09/23 Founding member of Large Social Survey Group – A cross-Scotland research group that provides a platform for postgraduate students within the field of quantitative social science to come together, discuss ideas, and present research. I personally set up the LSSG online [social media](#) platform and [website](#). [3e]

09/23 Leader of the Organising Committee for Large Social Survey Group Conference – *Leading member of the organising committee to set up an independent conference symposium for the members of the Large Social Survey Group to be held in May 2024*. [3f]

Publications

I am currently focused on the completion of my PhD. After completion, I will be able to develop my thesis into three articles rapidly:

- A simulation of handling missing data procedures: Multiple Imputation versus Full Information Maximum Likelihood
- A between and within cohort analysis analysing the impact of structural inequality upon youth's first major transition
- Does trajectory matter, and do trajectories change? An analysis of the trajectories of youth transitions over time.

My work on the Class Calculator project [3c] has recently been submitted for review and my work on socstrat [4a] is currently under review.

Stata Programs

socstrat – A stata command available on ssc. socstrat cleans, recodes, generates, and labels datasets to create variations of NS-SEC and RGSC based on SOC 1990, 2000, 2010, and 2020 codes. [4a]

Summer Schools

06/2022 Scottish Graduate School of Social Science Summer School [5a]
06/2023 Essex Summer School in Social Science Data Analysis [5b]
06/2024 NCRM Large and Complex Surveys Summer School [5c]

Conference Presentations

10/04/25 **Intersectional analysis and quantitative methods** — *University of Loughborough*, “*Gender Performance Scale as a Quantitative insight into Intracategorical Intersectionality*”. [6a]

28/11/24 **Large Social Survey Seminar** — *University of Edinburgh*, “*A re-examination of social status operationalisation: comparing established measures of status with an MDSCAL and factor analysis based approach*”. [6b]

01/08/24 **Social Stratification Research Seminar** — *University of Stirling*, “*Youth in Transition: Longitudinal Comparisons of Youth Transitions in the UK using Cohort and Synthetic Cohort Data*”. [6c]

01/06/24 **Lead Round Table Panellist - ESRC National Centre for Research Methods Summer School: Large and Complex Social Survey** – *University of Edinburgh* – *New Horizons: Round Table Lead by Early Career Researchers*. Leading a round table of early career researchers in a discussion of the current and potential future needs researchers should be focusing upon from the perspective of early career researchers. [6d]

10/05/24 **Large Social Survey Seminar** — *Stirling*, “*A Simulation Comparing Handling Missing Data Methods*”. This paper conducted a simulation of missingness using a missing at random mechanism and analysed the efficiency of a variety of handling missing data mechanisms to return the least biased estimates. A primary focus on this paper was the comparison of multiple imputation and full information maximum likelihood procedures. [6e]

15/04/24 **Inaugural British Journal of Sociology Conference 2024** — *LSE*, “*Using Shiny as a teaching tool? Construction of the GBCS, NS-SEC, and Wright’s Neo-Marxian schema as an open-source class calculator application*”. [6f]

19/02/24 **Edinburgh Q-Step Centre Research Seminar** — *University of Edinburgh*, “*Youth Transitions and Economic Activity: A Re-examination of NCDS data*”. [6g]

30/08/23 **Social Stratification Research Seminar** — *University of Stirling*, “*Using Shiny as a teaching tool? Construction of the GBCS, NS-SEC, and Wright’s Neo-Marxian schema as an open-source class calculator application*”. [6h]

18/05/23 **New Directions** — *University of Edinburgh*, “*Re-examining the NCDS with contemporary statistical methods*”. A postgraduate sociology conference at the University of Edinburgh. This paper focused on the re-examination of the National Childhood Development Study to re-analyse youth transitions from this cohort. [6i]

Invited Speaker Engagements

05/02/25 **Transformative Change: Educational and Life Transitions** —
University of Dundee. Invited to speak on the developments of educational and life
transitional research. [6j]

Specialist Training (selected)

18/03/24 [ONS Safe Researcher Training](#) [7a]
28/05/24 [Demystifying causal inference](#) [7b]
05/23 [AQRiE Multilevel Modelling training](#) [7c]
13/10/22 [NCRM Statistical Modelling Workshop](#) [7d]

Key Skills

- R, Rstudio [8a]
 - Shiny [8b]
 - Stata [8c]
 - SPSS [8d]
 - Focus Groups [8e]
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Languages

English: Mother tongue

Spanish: Basic

Arabic: Basic

References

Prof Vernon Gayle: Chair of Sociology and Social Statistics – Department of Sociology,
University of Edinburgh

Dr Roxanne Connelly: Senior Lecturer of Sociology and Quantitative Methods –
Department of Sociology, University of Edinburgh