

# Andrew Eyles

---

Data Scientist, Deliveroo

✉ [a.eyles@lse.ac.uk](mailto:a.eyles@lse.ac.uk) | Updated: 28 Jun 2024

---

## Profile

I am an experienced data scientist having worked in data-intensive roles in both academia and industry for over a decade. During this time I have established myself as an expert in experimentation, causal inference, machine learning, and communicating complex analysis in a simple interpretable way.

## Employment

*Deliveroo, Data Scientist*

September 2022-

- Harmonised multiple data sources to create a holistic view of how customers interact with the app. This data has been productionised and used in many internal projects at Deliveroo.
- Used causal inference tools (and A/B experimentation) to analyse a range of questions related to customer loyalty programs, premium delivery, app launches, marketing campaigns, and partner specific asks.
- Combined causal inference and machine learning to model the retention impact of bad customer outcomes. This model is currently being productionised.
- One of two DS leading a major project aimed at devising a growth strategy for the restaurant side of the business.
- Formulated a strategy for experimenting on our restaurant facing partner app. This overcomes previously identified issues and will guide the overall science approach to this side of the business.
- Mentored junior team members in causal inference, the basics of data pipelines, and led sessions/workshops covering the latest advances in econometrics.

*London School of Economics, Research Economist*

2013-2022

- Published research in leading academic journals.
- Won numerous grants and awards related to education and social mobility projects.
- Collaborated with external partners (Nuffield foundation, Sutton Trust, Educational Policy Institute, Resolution Foundation) to produce wide ranging reports summarising economic research for non-technical stakeholders (a full list of such reports is available on my website).
- Extensively presented research at academic conferences and produced blogs/articles encapsulating my own and others' research. These write-ups have been covered in major UK newspapers (The Times, Financial Times, the Guardian, The Economist, and The Telegraph).

- Taught core courses in micro and macro-economics (UCL) as well as summer courses in applied econometric methods (LSE and UCL).

## Education

*University College, London*

PhD (part-time) Economics

2024

*University of Warwick*

MSc Economics, Distinction

2012-2013

## Academic Publications and Working Papers

Inside the Black Box of Mobility: Understanding Upward Mobility Trends in Two British Cohorts (2024).

Eyles, A, J Blanden, and S Machin (2023) Intergenerational Home Ownership, *Journal Economic Inequality*, 21, 251 - 275.

Eyles, A. and S Machin (2019) Academy Schools and Their Introduction to England's Education, *Journal of the European Economic Association*, 17, 1107-46.

Eyles, A, S Machin and O Silva (2018) Academies 2: The New Batch, *Fiscal Studies*, 39(1), 121-158

Eyles, A, S Machin and S McNally (2017) Unexpected School Reform: Academisation of Primary Schools in England, *Journal of Public Economics*, 155, 108-21.

Eyles, A, C Hupkau and S Machin (2016) Academies, Charter and Free Schools: Do New School Types Deliver Better Outcomes?, *Economic Policy*, 31(87), 453-501.

Eyles, A, C Hupkau and S Machin (2016) School Reforms and Pupil Performance, *Labour Economics*, August, 9-19.

## Selected Policy Work

A generation at risk: Rebalancing education in the post-pandemic era (with Lee Elliot-Major, Esme Lillywhite, and Stephen Machin), Nuffield Report, April 2024.

Train in Vain? (with N Cominetti, R Costa, K Henahan and S McNally), The Economy 2030 Inquiry, December 2022.

Social Mobility: Past, Present, and Future (with L Elliot-Major and S Machin), The Sutton Trust, June 2022.

Changing jobs? (with N Cominetti, R Costa, T Moev, and G Ventura), The Economy 2030 Inquiry, 2021.

Social mobility in the time of Covid, The Economy 2030 Inquiry, 2021.

Learning loss since lockdown: variation across the home nations (with L Elliot-Major and S Machin), CEP Covid-19 analysis, 2021.

Generation COVID: emerging work and education inequalities (with L Elliot-Major and S Machin), CEP Covid-19 analysis, 2020.