

Luke Heath Milsom
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Graduate Studies:

University of Oxford, DPhil Economics, 2023 (expected)
- Visiting student: UC Berkeley, 2022
- Visiting student: National University of Singapore, 2019
University of Oxford, MPhil Economics, 2018

Undergraduate Studies:

BSc Econometrics and Mathematical Economics, London School of Economics, 2016

References:

Professor Douglas Gollin
University of Oxford
douglas.gollin@economics.ox.ac.uk

Professor Gabriel Ulyssea
University College London
g.ulysea@ucl.ac.uk

Professor Ferdinand Rauch
Heidelberg University
ferdinand.rauch@awi.uni-heidelberg.de

Professor Niclas Moneke
University of Oxford
niclas.moneke@economics.ox.ac.uk

Teaching and Research Fields:

Primary fields: Trade, Development, Public
Secondary fields: Labor, Urban and Spatial

Teaching Experience:

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| 2018-2023 | Stipendiary Lecturer at Corpus Christi College, Oxford: Introductory Probability and Statistics, Introductory Macro and Micro, Intermediate Macro, Econometrics, Quantitative Economics. |
| 2021 | Teaching Assistant, Oxford. MSc Economics for Development; International Trade. |
| 2018 | Teaching Assistant, LSE. EC210 Macroeconomics. |

Research Experience and Other Employment:

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| 2016-2021 | RA: Professor Johannes Abeler, Oxford. |
| 2018-2020 | RA: Dr Isabelle Roland, Oxford. |
| 2019 | Short Term Consultant, World Bank. |
| 2017 | RA: Professor Sophocles Mavroeidis, Oxford. |
| 2016-2017 | RA: Professor Steve Machin, and Professor Sandra McNally, LSE. |

Scholarships:

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| 2021 | Departmental Bursary, Oxford |
| 2016-2021 | Oxford Radcliffe ESRC Scholarship, Oxford |
| 2016 | Chelgren Scholarship, Oxford |

Job Market Paper:

Moving Opportunity. Local Connectivity and Spatial Inequality.

Abstract

Within-country inequality across space is large, particularly in settings where local connectedness varies significantly. How does connecting locations via transportation infrastructure affect spatial inequality of opportunity? I study improvements to road networks in Benin, Cameroon, and Mali in a spatial model that

yields a sufficient statistic for the opportunity effects of market access consistent with a broad class of data generating processes. Using a novel “not-on-least-cost-path” instrumental-variables approach, I estimate that changes in connectivity altered the spatial distribution of opportunity. Applying estimates from the sufficient statistic result to parameterize general equilibrium spatial model, I find substantial effects: Since 1970, road investments have raised the probability of primary school completion by 7.5 p.p. more in the most-affected locations relative to the least-affected ones. I then use my spatial model to estimate the opportunity impacts of potential further route-specific road investments. Both network- and road-level characteristics matter for route upgrades, and pre-existing trade and migration flows between two locations predict the effects of investments on roads connecting them.

Working Papers:

1. Spatial Inequality of Opportunity in West Africa. *R&R Journal of Public Economics*
2. The Butcher, the Brewer, or the Baker: The Role of Occupations in Explaining Wage Inequality. *With Shihang Hou.*
3. Gravity in International Finance: Evidence from Fees on Equity Transactions. *With Vladimr Pazitka, Isabelle Roland, and Dariusz Wojcik.*
4. Minimum Wages and the China Syndrome: Causal Evidence from US Local Labour Markets. *With Isabelle Roland.*

Published Papers:

1. The Epidemiological Impact of the NHS Covid-19 App.
Nature 2021
With Chris Wymant, Luca Ferretti, Daphne Tsallis, Marcos Charalambides, Lucie Abeler-Dörner, David Bonsall, Robert Hinch, Michelle Kendall, Mathew Ayres, Chris Holmes, Mark Briers, Christophe Fraser.
2. Epidemiological changes on the Isle of Wight after the launch of the NHS Test and Trace programme: a preliminary analysis.
The Lancet Digital Health, 2020
With Michelle Kendall; Lucie Abeler-Dörner; Chris Wymant; Luca Ferretti; Mark Briers; Chris Holmes; David Bonsall; Johannes Abeler; Christophe Fraser.
3. Acceptability of App-Based Contact Tracing for COVID-19: Cross-Country Survey Study.
JMIR mHealth and uHealth, 2020
With Samuel Altmann; Hannah Zillesen; Raffaele Blassone; Frederic Gerdon; Ruben Bach; Frauke Kreuter; Daniele Nosenzo; Séverine Toussaert; Johannes Abeler

Placement Officer:

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Graduate Administrator:

Lesley Darcy

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