

# LENA KILIAN

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## EDUCATION

2018 - **ESRC-funded MSc + PhD (2+2), Data Analytics and Society CDT**  
present University of Leeds, School of Geography, grant number: ES/S50161X/1

### PhD Candidate

*Estimating and Evaluating consumption-based greenhouse gas emissions of UK neighbourhoods* (preliminary title), supervised by Dr. Anne Owen, Dr. Andy Newing, Dr. Diana Ivanova, and Prof. Mark Birkin

### MSc Data Analytics and Society (Distinction)

2017 - **MSc Sustainable Cities** (Distinction)  
2018 King's College London, Department of Geography

- Awarded Best Thesis in Sustainable Cities, 2018

2013 - **BSc Psychology, with outside papers in Sociology** (Hons, 1<sup>st</sup> Class)  
2017 University of Glasgow, School of Psychology

## PEER REVIEWED PUBLICATIONS

- Kilian, L.**, Owen, A., Newing, A. and Ivanova D. *in prep.* 'Spatial patterns of transport emissions and their social drivers in London neighbourhoods'.
- Kilian, L.**, Owen, A., Newing, A. and Ivanova D. 2020. 'Microdata selection for estimating household consumption-based emissions'. *Economic Systems Research*. <https://doi.org/10.1080/09535314.2022.2034139>

## OTHER PUBLICATIONS & REPORTS

- Owen, A. and **Kilian, L.** 2020. 'Consumption-based Greenhouse Gas Emissions for Bristol 2016' [Online]. Leeds. Available from: <https://www.bristolonecity.com/wp-content/uploads/2020/05/Consumption-based-Greenhouse-Gas-Emissions-for-Bristol.pdf>.
- Kilian, L.**, Owen, A. and Newing, A. 2019. Bespoke Report on Consumption-Based Carbon Footprints in Bristol created for ARUP and Bristol City Council.

## CONFERENCE TALKS

- Exploring spatial patterns of transport emissions and their social drivers in London neighbourhoods*, American Association for Geographers Annual Meeting 2021, New York City
- Predicting the Impacts of COVID-19-related Income Changes on Consumption-Based Emissions of UK Neighbourhoods*, GISRUK 2021, Cardiff
- Evaluating and comparing microdata to assess greenhouse gas emissions of UK neighbourhoods*, GWS Input-Output Workshop 2020, Osnabrück
- Using consumer data to understand household carbon footprints in Bristol*, RSAI-BIS 2019, Cambridge
- Understanding patterns of consumption-based greenhouse gas emissions in Bristol*, GISRUK 2019, Newcastle
- Temporal Discounting in E-Commerce*, British Psychological Society Scottish Undergraduate Conference 2017, Edinburgh

## CONFERENCE POSTER PRESENTATIONS

- How does choice of data change greenhouse gas emission estimates?*, School of Geography Postgraduate Conference 2021, Leeds

- *How do microdata affect greenhouse gas emissions estimates? A comparison of consumption microdata for UK neighborhoods*, American Association of Geographers Annual Meeting 2021, Seattle

## TEACHING EXPERIENCE

- 2020-2022      Module Demonstrator at the University of Leeds:
- Applied GIS and Retail Modelling (GEOG5937M), School of Geography
  - Big Data and Consumer Analytics (GEOG5917M), School of Geography
  - Digital Geographies (GEOG1400), School of Geography
  - Social and Spatial Data Analysis with GIS (GEOG2150), School of Geography
  - Geocomputation and Spatial Analysis (GEOG3195), School of Geography
- 2019      Module Assistant at the University of Leeds:
- Research Evaluation & Special Studies 2 (MEDI2217), School of Medicine

## COMMUNITY ENGAGEMENT

- 2021      School of Geography Postgraduate Student Conference
- Conference organiser
  - Chairing 'Social Sciences' session
- 2020 - 2021      Data Science Study Group, Leeds Institute for Data Analytics,
- Organising and facilitating a study group for PGR students and interns
- 2018 - present      Communications Representative, Data Analytics and Society CDT
- Sharing work from the Leeds Cohort of the Data Analytics and Society CDT with the public
- 2017 - 2018      PGT Urban Futures Reading Group, King's College London, Department of Geography
- Organised and ran reading group events for PGT students
- 2016 - 2017      Homework Club Volunteer, St Mary's Primary School, Glasgow
- Volunteered at a weekly after-school homework club at a local primary school
- 2015 - 2016      Equal Opportunities Student Ambassador and General Secretary, University of Hong Kong, Equal Opportunities Unit
- Organised events to promote social inclusion at the University of Hong Kong
  - Organised and ran weekly meetings

## OTHER WORK EXPERIENCE

- 2013 - 2018      Part-time work in hospitality and video game testing at Pole to Win.

## SKILLS

Programming languages and technical skills: Python, R, QGIS, MS Excel, LaTeX  
 Languages: English (fluent), German (native), Mandarin (basic), Spanish (basic)

## PROFESSIONAL MEMBERSHIPS

- Postgraduate Fellow at the Royal Geographical Society
- American Association of Geographers

## REFERENCES

Can be provided on request

