




Samuel Langton

Research Software Consultant

Curriculum Vitae
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 www.samlangton.info
 langtonhugh@gmail.com
 [langtonhugh](https://github.com/langtonhugh)

Education

- 2016-2020 **PhD Criminology**
Manchester Metropolitan University, Manchester, UK.
- 2014-2016 **MSc Sociology and Social Research**
Utrecht University, Utrecht, Netherlands.
- 2009-2012 **BSc Social Policy with Government**
London School of Economics, London, UK.

Research & university roles

- 2024-now **Research Software Consultant**
Amsterdam University Medical Center, Amsterdam, Netherlands.
- 2021-2024 **Postdoc Researcher**
Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, Netherlands.
- 2020-2021 **Research Fellow**
University of Leeds, Leeds, UK.
- 2019-2020 **Research Associate**
Manchester Metropolitan University, Manchester, UK.
- 2017-2018 **Research Assistant (part-time)**
Manchester Metropolitan University, Manchester, UK.

Peer-reviewed journal articles

If you do not have free access to any of these articles, please email me and I will send you a copy.

1. Leeuw, N. de, Langton, S., Voornveld, H. van, Kraassenberg, K., Duivenvoorden, J., & Ruiter, S. (2024). After the incident: Measuring organizational (internal) police demand. *Police Practice and Research*, 1–15.
2. Langton, S., Ruiter, S., & Schoonmade, L. (2024). The spatial patterning of emergency demand for police services: A scoping review. *Crime Science*, 13(1), 1.
3. Langton, S., Verlaan, T., & Ruiter, S. (2023). Operationalizing deployment time in police calls for service. *Crime Science*, 12(1), 20.
4. Langton, S., Ruiter, S., & Verlaan, T. (2022). Describing the scale and composition of calls for police service: A replication and extension using open data. *Police Practice and Research*.
5. Langton, S., Bannister, J., Ellison, M., Haleem, M. S., & Krzemieniewska-Nandwani, K. (2021). Policing and mental ill-health: Using big data to assess the scale and severity of, and the frontline resources committed to, mental ill-health-related calls-for-service. *Policing: A Journal of Policy and Practice*, 15(3), 1963–1976.
6. Langton, S., & Solymosi, R. (2021). Cartograms, hexograms and regular grids: Minimising misrepresentation in spatial data visualisations. *Environment and Planning B: Urban Analytics and City Science*, 48(2), 348–357.
7. Langton, S., Dixon, A., & Farrell, G. (2021). Small area variation in crime effects of COVID-19 policies in England and Wales. *Journal of Criminal Justice*, 75, 101830.
8. Langton, S., Dixon, A., & Farrell, G. (2021). Six months in: pandemic crime trends in England and Wales. *Crime Science*, 10(1), 1–16.
9. Buil-Gil, D., Moretti, A., & Langton, S. (2021). The accuracy of crime statistics: Assessing the impact of police data bias on geographic crime analysis. *Journal of Experimental Criminology*, 1–27.
10. Adepeju, M., Langton, S., & Bannister, J. (2021). Anchored k-medoids: A novel adaptation of k-medoids further refined to measure long-term instability in the exposure to crime. *Journal of Computational Social Science*, 4(2), 655–680.
11. Adepeju, M., Langton, S., & Bannister, J. (2020). Akmedoids R package for generating directionally-homogeneous clusters of longitudinal data sets. *Journal of Open Source Software*, 5(56), 2379–2379.
12. Langton, S., & Steenbeek, W. (2017). Residential burglary target selection: An analysis at the property-level using Google Street View. *Applied Geography*, 86, 292–299.

Books & book chapters

1. Verlaan, T., & Langton, S. (2023). On the use of inferential statistics on administrative police data. In L. Huey & D. Buil-Gil (Eds.), *The crime data handbook*. Bristol: Policy Press.
2. Langton, S., & Solymosi, R. (2023). Open street map for crime and place. In E. Groff & C. Haberman (Eds.), *Understanding crime and place: A methods handbook*. Temple University Press.
3. Wooditch, A., Johnson, N. J., Solymosi, R., Medina, J. J., & Langton, S. (2021). *A Beginner's Guide to Statistics for Criminology and Criminal Justice Using R*. Springer.
4. Buil-Gil, D., & Langton, S. (2020). GIS and geovisual analysis. In P. Atkinson, S. Delamont, A. Cernat, J. W. Sakshaug, & R. A. Williams (Eds.), *SAGE research methods foundations*. Sage Publications Ltd.

Preregistrations

1. Langton, S., Ruiter, S., Connolly, A., & Menges, V. (2023). *The spatio-temporal relationship between bars and violence*. <https://osf.io/ex7ga>.
2. Langton, S., Verlaan, T., & Ruiter, S. (2022). *Scale and composition of emergency reactive police demand in Amsterdam, Netherlands*. <https://osf.io/qgwv6/>.
3. Langton, S., Ruiter, S., & Schoonmade, L. (2021). *Protocol – A systematic scoping review on the spatial and temporal patterning of emergency demand for police services*. <https://osf.io/qwrb3/>.

Other publications

1. Verlaan, T., Langton, S., & Ruiter, S. (2023). Reactieve politie-inzet op straat. *Tijdschrift Voor de Politie*.
2. Farrell, G., Langton, S., & Dixon, A. (2020). Six months in: Pandemic crime trends in England and Wales to August 2020. <https://policinginsight.com/features/analysis/six-months-in-pandemic-crime-trends-in-england-and-wales-to-august-2020/>.
3. Langton, S. (2020). *Crime and Anti-social behaviour in Greater London*. https://covid19-crime.com/wp-content/uploads/sites/92/2020/07/COVIDCrimeStatsBulletin_3_Langton_GtrLondonCrime-3.pdf.
4. Langton, S. (2020). *Lockdown crime trends: Why antisocial behaviour is up*. <https://theconversation.com/lockdown-crime-trends-why-antisocial-behaviour-is-up-140479>.
5. Langton, S. (2019). *Even the most beautiful maps can be misleading*. <https://theconversation.com/even-the-most-beautiful-maps-can-be-misleading-126474>.
6. Langton, S. (2017). *When crime drops, the demands on the police don't necessarily fall*. <https://theconversation.com/when-crime-drops-the-demands-on-the-police-dont-necessarily-fall-79288>.

Presentations

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| 2023 | The spatio-temporal relationship between bars and violence
Environmental Criminology and Crime Analysis, Stockholm, Sweden. |
| 2022 | Demand for emergency police services in the Netherlands
Environmental Criminology and Crime Analysis, Harrogate, UK. |
| 2022 | Demand for emergency (police) services in the Netherlands using open data
Nederlandse Vereniging voor Criminologie, Leiden, Netherlands. |
| 2021 | Police demand and supply in the Netherlands: an evidence-based approach of police deployment
Onderzoek bij, voor en door de Politie (online). |
| 2021 | Demand for emergency (police) services in the Netherlands using open data
European Society of Criminology conference (online). |
| 2021 | Open Science for Crime and Open Science for Crime and Policing Research
University of Manchester seminar on bias in police records (online). |
| 2020 | Six Months In: Pandemic Crime Trends in England and Wales
COVID-19 and crime research seminar, hosted by University of Leeds and University College London (online). |
| 2019 | Demonstrating the theoretical and empirical distinctions between offenders and crimes
European Society of Criminology conference, Ghent, Belgium. |
| 2019 | Improving interpretation through cartograms, hexograms and regular grids
GISRUUK annual proceedings, Newcastle, UK. |
| 2019 | Offender residential concentrations: a longitudinal study in the United Kingdom
European Society of Criminology conference, Sarajevo, Bosnia and Herzegovina. |
| 2018 | Rapid change in ethnic composition – part of a wider Brexit picture?
GISRUUK annual proceedings, Leicester, UK. |
| 2017 | Neighbourhood trajectories: a longitudinal study of offender residence concentrations
European Society of Criminology conference, Cardiff, UK. |
| 2016 | Residential burglary target selection: an analysis at the property-level using Google Street View
Postgrad session at Spatial Behaviour and Crime symposium, Royal Netherlands Academy of Sciences, Amsterdam, Netherlands. |

Invited presentations

- 2025 **An R tool for assessing inter-rater reliability after literature screening in ASReview (v2)**
ASReview User meeting, Utrecht University, the Netherlands.
- 2024 **An R tool for assessing inter-rater reliability after literature screening in ASReview (v1)**
ASReview User meeting, Utrecht University, the Netherlands.
- 2023 **Demand for police in the Netherlands**
The Hague regional police force, the Netherlands.
- 2022 **How decisions about spatial data visualisation affect map legibility**
Ministry of Defence, UK (online).
- 2019 **The geography of offender housing in Birmingham**
West Midlands Police HQ, Birmingham, UK.
- 2019 **Visualising geographic information: examining methods of improving the thematic map**
Quantitative Spatial Science Group, School of Geographical Sciences, University of Bristol, UK.
- 2019 **Visualising and explaining small area offender trajectories in Birmingham, England**
Centre for Criminology and Criminal Justice, University of Manchester, Manchester, UK.
- 2019 **Visualising geographic information: examining methods of improving the thematic map**
Open Data Manchester, Manchester, UK.

Teaching

- 2025 **Introduction to version control using GitHub Desktop**
Department of Psychiatry, Amsterdam University Medical Center, Amsterdam, Netherlands.
- 2024-2025 **Founder and lead instructor, R User Meet-up Amsterdam UMC**
Amsterdam University Medical Center, Amsterdam, Netherlands.
- 2024 **Helper, Software Carpentry sessions introducing Python and Git BASH**
Vrij Universiteit, Amsterdam, Netherlands.
- 2021-2024 **Instructor and co-organiser, internal R workshops & Data Carpentry sessions**
Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, Netherlands.
- 2020 **Lead instructor, A gentle introduction to QGIS**
Open Data Manchester webinar series (online).
- 2020 **Lead instructor, Introduction to QGIS**
Cathie Marsh Institute for Social Research, University of Manchester, Manchester, UK.
- 2020 **Lead instructor, Data visualisation in R using crime data**
UK Data Service and Cathie Marsh Institute for Social Research, University of Manchester, Manchester, UK.
- 2019 **Lead instructor, R for police forces**
West Midlands Police HQ, Birmingham, UK.
- 2019 **Instructor and co-organiser, Intro to R for criminologists**
European Society of Criminology conference, Ghent, Belgium.
- 2018-2020 **Co-instructor, Getting started in R: an introduction to data analysis and visualisation**
Methods@Manchester Summer School, University of Manchester, Manchester, UK.
- 2019 **Instructor, Introduction to cluster analysis using R**
Cathie Marsh Institute for Social Research, University of Manchester, Manchester, UK.
- 2018 **Instructor qualification**
Data and Software Carpentry
- 2018 **Lead instructor, Introduction to R**
Researcher Development Programme for Postgrads and Staff, Manchester Metropolitan University, Manchester, UK.

Supervision

- 2023-2024 **Natascha de Leeuw doctoral thesis (caretaker), Van aangifte tot opheldering en vervolging**
Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, Netherlands.
- 2021-2024 **Tim Verlaan doctoral thesis, Demand and supply for policing in the Netherlands**
Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, Netherlands.
- 2022-2023 **Aisling Connolly research internship, Temporal analysis of risky facilities and police demand**
Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, Netherlands.

Reviewer

Peer-reviewed papers for *European Journal of Criminology*, *Crime Science*, *Police Practice and Research*, *Applied Geography*, *Environment and Planning B: Urban Analytics and City Science*, *Journal of Housing and the Built Environment*, *International Criminal Justice Review*, and the UK Home Office.

Other employment

- 2017-2019 **Freelance data analyst and author**
Policing Insight website (remote).
- 2015-2016 **Teaching and student assistant**
Department of Sociology, Utrecht University, Utrecht, Netherlands
- 2012-2014 **Insolvency administrator and trainee accountant**
Accura Accountants, London, UK.

Software experience

Daily usage: R/RStudio, GitHub.
Occasional usage: Python, Bash, QGIS, GeoDa.

Languages

English (native), Dutch (A2-B1).

Other interests

Running, outdoor swimming, bouldering, freediving, playing bass guitar and learning piano.