Samuel Langton

Curriculum Vitae
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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

2024-2025 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.

Open science 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.

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. Langton, S., & Pronk, T. (2025). Computational reproducibility at Amsterdam University Medical Center. *Zenodo*. https://zenodo.org/records/15097094.
2. Verlaan, T., Langton, S., & Ruiter, S. (2023). Reactieve politie-inzet op straat. *Tijdschrift Voor de Politie*.
3. 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/.
4. 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.
5. Langton, S. (2020). *Lockdown crime trends: Why antisocial behaviour is up*. https://theconversation.com/lockdown-crime-trends-why-antisocial-behaviour-is-up-140479.
6. Langton, S. (2019). *Even the most beautiful maps can be misleading*. https://theconversation.com/even-the-most-beautiful-maps-can-be-misleading-126474.
7. 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

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** GISRUK 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?** GISRUK 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.

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 activities

Running, rock climbing, outdoor swimming, freediving, playing bass and acoustic guitar.