

Reka Solymosi

Senior Lecturer in Quantitative Methods

Curriculum Vitae

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Education and Qualifications

2012-2016	PhD in Crime and Security Science University College London
2011-2012	MRes in Crime and Security Science University College London
2010-2011	MRes Criminology & Socio-Legal Studies University of Manchester
2005-2010	Bachelor of Arts: Major in Sociology & Spanish University of British Columbia

Present and previous appointments

Sep 2016-present	Lecturer in Quantitative Methods Department of Criminology, University of Manchester
Aug 2015-Aug 2016	Data Analyst Transport Policing, Enforcement and On Street Operations, Transport for London
Oct 2010-May 2015	Teaching Assistant Department of Geography, Department of Civil, Environmental, and Geomatic Engineering, University College London
Aug 2014-Oct 2014	Data Analyst Transport and Street Planning Team, London Borough of Camden
Oct 2011-Aug 2014	Research Administrator: Pedestrian Accessibility and Movement Environment Laboratory Department of Civil, Environmental, and Geomatic Engineering, University College London
Oct 2011-May 2014	Research Assistant on Community-based Open Mapping to Engage Travel project Department of Civil, Environmental, and Geomatic Engineering, University College London

Publications

My research areas include perception of crime and place, spatial crime analysis, environmental criminology, social data science, transport crime, crowdsourcing, and geographical information analysis.

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Books

1. Wooditch, A., Johnson, N. J., Solymosi, R., Medina, J. J., & Langton, S. (2020). *A beginner's guide to statistics for criminology and criminal justice using R*. Springer.

Peer reviewed publications

1. Solymosi, R., Guedes, I., & Vozmediano, L. (2022). Using mobile applications and physiological sensing to measure perception of security in built environments. In *The handbook of security* (pp. 559–580). Springer.
2. Ceccato, V., Solymosi, R., & Müller, O. (2022). The use of twitter by police officers in urban and rural contexts in Sweden. *International Criminal Justice Review*, 31(4), 456–476.
3. Skarlatidou, A., Ludwig, L., Solymosi, R., & Bradford, B. (2022). Understanding knife crime and trust in police with young people in east London. *Crime and Delinquency*, 111287211029873.
4. Solymosi, R., Jackson, J., Pösch, K., Yesberg, J. A., Bradford, B., & Kyprianides, A. (2021). Functional and dysfunctional fear of COVID-19: A classification scheme. *Crime Science*, 10(1), 1–23.
5. Solymosi, R., Buil-Gil, D., Vozmediano, L., & Guedes, I. S. (2020). Towards a place-based measure of fear of crime: A systematic review of app-based and crowdsourcing approaches. *Environment and Behavior*, 13916520947114.
6. Solymosi, R., Petcu, O., & Wilkinson, J. (2020). Exploring public engagement with missing person appeals on twitter. *Policing and Society*, 0(0), 1–24. <https://doi.org/10.1080/10439463.2020.1782409>
7. Langton, S. H., & Solymosi, R. (2019). Cartograms, hexograms and regular grids: Minimising misrepresentation in spatial data visualisations. *Environment and Planning B: Urban Analytics and City Science*.
8. Solymosi, R. (2019). Exploring spatial patterns of guardianship through civic technology platforms. *Criminal Justice Review*, 44(1), 42–59.

9. Solymosi, R., Cella, K., & Newton, A. (2018). Did they report it to stop it? A realist evaluation of the effect of an advertising campaign on victims' willingness to report unwanted sexual behaviour. *Security Journal*, 31(2), 570–590.
10. Solymosi, R., & Bowers, K. (2018). The role of innovative data collection methods in advancing criminological understanding. In *The Oxford Handbook of Environmental Criminology* (Vol. 210, pp. 210–237). Oxford University Press.
11. Solymosi, R., Bowers, K. J., & Fujiyama, T. (2017). Crowdsourcing subjective perceptions of neighbourhood disorder: Interpreting bias in open data. *The British Journal of Criminology*, 58(4), 944–967.
12. Solymosi, R., Bowers, K., & Fujiyama, T. (2015). Mapping fear of crime as a context-dependent everyday experience that varies in space and time. *Legal and Criminological Psychology*, 20(2), 193–211.
13. Solymosi, R., Borrión, H., & Fujiyama, T. (2015). Crowd spatial patterns at bus stops: Security implications and effects of warning messages. In *Safety and security in transit environments* (pp. 156–178). Springer.

Research Grants

2022-2022	Exploring perceptions of direct and indirect bystander intervention GBP 8,930 funding from School of Social Sciences Research Support Funds 2021-22
2022-2022	Geoprivacy, confidentiality and data sharing in research & practice GBP 4,293 funding from KTH Royal Institute of Technology and Stockholm University Joint Research Seed Fund
2020-2021	Understanding changing demand for police during the coronavirus pandemic GBP 20,000 funding from N8 Policing Research Partnership
2019-2020	Civic Innovation in CommuNITY: safety, policing and trust with young people GBP 60,000 funding from EPSRC Network+: Social Justice through the Digital Economy
2019-2019	Identifying features that affect public engagement with appeals for information about missing persons on Twitter GBP 5,000 funding from Manchester Statistical Society Champion Grant
2018-2019	Using Bayesian Surprise maps to explore debt and insolvency across the UK GBP 10,000 funding from Consumer Data Research Centre, Economic and Social Research Council
2017-2020	Measuring fear of crime using app-based and sensing methodologies GBP 10,000 funding from British Academy and Leverhulme Small Grants
2017-2017	Building Tools and Training for Crime Analysts using R GBP 3,000 funding from N8 Policing Research Partnership
2017-2017	Data Visualisation in Criminal Courts GBP 1,000 funding from Economic Social Research Council, Festival of Social Sciences

Invited talks

2022	Hot Routes and Street Profiles Netherlands Institute for the Study of Crime and Law Enforcement
	Near Misses in Research on Crime and Fear of Crime Crest Advisory Internal Seminar
	Even beautiful maps can be misleading Ministry of Defence, Defence Science and Technology Lecture Series
2021	New forms of data for public safety Mexico National Institute of Statistics and Geography (INEGI)
2020	Understanding people's experiences and perceptions of place, crime, and victimisation using crowd-sourced data Monash University, Melbourne, Australia
	Exploring the role of crowdsourced data in criminal justice research Queensland University of Technology, Melbourne, Australia
2019	Mapping and spatial modelling in R for crime prevention and conservation Sheffield R User Group, UK
	The role of innovative data collection methods in advancing understanding, and the importance of considering the biases within Women in Data Science: Zurich, Switzerland
	Keynote: Data-driven insights in law: opportunities and cautions Berlin Legal Tech Conference 2019, Germany
	The role of innovative data collection methods in advancing behavioural understanding Cognitive and Decision Sciences, University of Basel, Switzerland
	The role of innovative data collection methods in advancing criminological understanding Manchester Metropolitan University Big Data Centre Seminar Series, UK