

Dr Reka Solymosi

Lecturer in Quantitative Methods

Curriculum Vitae
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Present and previous appointments

Lecturer (Asst Prof)

in Quantitative Methods

University of Manchester, Department of Social Sciences: 2016-present

Carry out research, secure grant funding, manage research teams, and engage with industry and public sector to maximise impact. Teaching (eg: quantitative data analysis, GIS and crime mapping, evaluation research).

Data Analyst

Transport for London, Enforcement and On Street Operations Directorate: 2015-2016

Gather, process, and analyse data on trends and emerging issues by preparing analytical products, which informed TfL's deployment decisions. Collated data from diverse sources to make them useful by cleaning and writing code for reproducible data pipelines from query to output report or interactive applications.

Data Analyst

London Borough of Camden, Transport and Street Planning Team: 2014-2014

Apply a mixed methods approach to analyse and report on data collected from public consultation, to allow for tailored responses from the council to a diverse range of stakeholders.

Research Assistant

University College London, Community-based Open Mapping to Engage Travel project (PT): 2011-2014

Develop, pilot test (including reliability and validity testing), and deploy a longitudinal diary-style questionnaire aimed to allow wheelchair users to report the perceived difficulty of specific journeys. Synchronise GPS, accelerometer data and smart sensor data with self-report measures.

Research Administrator

University College London: 2011-2014

Pedestrian Accessibility and Movement Environment Laboratory (PT)

Teaching Assistant

University College London: 2010-2015

Department of Geography, Department of Civil Environmental and Geographic Engineering (PT)

Education and Qualifications

PhD in Crime and Security Science

University College London

2012-2016

MRes in Crime and Security Science

University College London

2011-2012

MRes Criminology & Socio-Legal Studies

University of Manchester

2010-2011

Bachelor of Arts: Major in Sociology & Spanish

University of British Columbia

2005-2010

Selected Research Activities

- **Peer reviewed academic publications** in high-ranking journals on topics around methodological innovation in social science research (see Google Scholar and ORCID)
- **Research reports and blog posts** on prestigious research forums such as LSE Impact Blog and Social Research Association Blog
- **Conference presentations** at academic and industry venues (eg: Women in Data Science, TicTec)

Professional memberships

Fellow of Software Sustainability Institute • Board Member of the Data Carpentries Social Sciences Curriculum • Fellow of the Higher Education Academy • Board Member of Economic and Social Research Council Business and Local Government Data Research Centre's Data Acquisition Board • R-Ladies Member • Honorary Lecturer at University College London

List of skills

Quantitative and qualitative data analysis • Spatial data analysis and GIS mapping • Data collection, cleaning, and wrangling • Written and oral communication skills • Version control using git • Data query using SQL, APIs, web scraping • Coding languages: R, Java, SQL, Python • Software: Microsoft Office Suite, QGIS, ArcGIS, MapInfo