

Session group 1: Wednesday 14:30-15:30

Name	Title	Session Title	Grp	Room	Day	Chair
Paul Holloway	Incorporating Spatially Explicit Landscape & Connectivity Metrics Improves the Predictive Ability of Species Distribution Models	Biogeography I: Methods & Modelling	1	2D1	Wed	Duncan Whyatt
Emma Underwood	Modelling the Role of Multiple Global Change Drivers on Future Range Shifts in a Tropical Biodiversity Hotspot	Biogeography I: Methods & Modelling	1	2D1	Wed	
Yinqiao Zhou	Impact of 2D/3D Landscape Pattern on Urban Ecological Environment Quality: Explainable Machine Learning Methods	Biogeography I: Methods & Modelling	1	2D1	Wed	
Nick Bearman	Location-allocation and public transit: An update on UCL student teacher placements	Innovations in Urban Analytics: Movement	1	2D2	Wed	Qiujie Shi
Meixuan Liu	Using Machine Learning Methods to Estimate Sea Surface DMS Concentration for Studying Seabird Movements	Innovations in Urban Analytics: Movement	1	2D2	Wed	
Thomas Knights	Community Powered Geospatial Data for Active Travel Planning	Innovations in Urban Analytics: Movement	1	2D2	Wed	
Levi Wolf	Robust estimation for Local Moran's I	New Directions in Spatial Analysis I: Statistics	1	2D3	Wed	Rene Westerholt

Chris Brunsdon	Rethinking Composite Indicators: A Geographical Perspective	New Directions in Spatial Analysis I: Statistics	1	2D3	Wed	
Sui Zhang	SKATER Additive Learner (STAKERAL): A Data-driven Method for Delineating Covariate-specific Endogenous Spatial Regimes	New Directions in Spatial Analysis I: Statistics	1	2D3	Wed	
Ruth Nelson	Incorporating equity into accessibility evaluations of transport policy scenarios in Cape Town, South Africa	Rethinking Geographic Equity: Transport	1	LT	Wed	Kathryn Adams
Lee Vivian	Connecting London: The Impact of the Elizabeth Line on Accessibility and Spatial Equity	Rethinking Geographic Equity: Transport	1	LT	Wed	
Maria Wood	Equity implications of car dependence in the UK	Rethinking Geographic Equity: Transport	1	LT	Wed	

Session group 2: Wednesday 15:45-16:45

Name	Title	Session Title	Grp	Room	Day	Chair
George Offer	Ecology Informed Innovation: Leveraging GIS, Digital Data Capture, and Data-Driven Solutions for Biodiversity Net Gain	Biogeography II: Data & Representation	2	2D1	Wed	Paul Holloway
Ali M	Navigation between stopovers by migratory geese: Comparing geomagnetic and geographic loxodromes, great circle routes and real trajectories	Biogeography II: Data & Representation	2	2D1	Wed	
Withdrawn		Biogeography II: Data & Representation	2	2D1	Wed	
Ian Turton	The Use of Neural Networks to Detect Archaeological Sites in LiDAR Data (WITHDRAWN)	Innovations in Urban Analytics: Remote Sensing	2	2D2	Wed	Ce Zhang
Dan Abudu	Geospatial and Structural Equation Modeling of Energy Demand and Deforestation Risk in Uganda using Google Earth Engine	Innovations in Urban Analytics: Remote Sensing	2	2D2	Wed	
Alexander Skinner	A Spatio-Temporal Mapping of Solar Photovoltaic Diffusion in Southern Luxembourg (2019-2023).	Innovations in Urban Analytics: Remote Sensing	2	2D2	Wed	
Rob Davidson	Integrating Concrete Examples into Thematic Maps of Social Inequalities: Assessing Public Perceptions	New Directions in Spatial Analysis II: Visualization	2	2D3	Wed	Roger Beecham

Richard Harris	Visualising small area data with hybrid cartograms and hexograms	New Directions in Spatial Analysis II: Visualization	2	2D3	Wed	
Jacob Macdonald	Map Enhancers or Map Monsters: Do cartographic embellishment choices matter for teaching in higher education?	New Directions in Spatial Analysis II: Visualization	2	2D3	Wed	
Liam Webb	The impacts of real-time versus scheduled public transport service data when analysing patterns of accessibility	Rethinking Geographic Equity: Mobility	2	LT	Wed	Anastassia Vybornova
Ye Tian	Evaluating urban ventilation corridor: A lens from hyperlocal air pollution distribution through mobile monitoring	Rethinking Geographic Equity: Mobility	2	LT	Wed	
Fulvio Lopane	Charging Ahead or Falling Behind? Equity in London's Electric Mobility Transition	Rethinking Geographic Equity: Mobility	2	LT	Wed	

Session Group 3: Thursday 9:30-10:30

Name	Title	Session Title	Grp	Room	Day	Chair
René Westerholt	Geometric place footprints and the modifiable areal unit problem	Shaping Cities I: Buildings	3	2D1	Thu	Ruth Nelson
Léandre Fabri	About the PA ratio for Urban Footprint	Shaping Cities I: Buildings	3	2D1	Thu	
Krasen Samardzhiev	Understanding Urban Form - Hierarchical Morphotopoe Classification based on Gradually Loosening Spatial Restrictions	Shaping Cities I: Buildings	3	2D1	Thu	
Melissa Barrientos Triñanes	Utilising open data to enhance park safety for women and girls in Bradford: A spatial analysis approach.	Rethinking Geographic Equity: Public Space	3	2D2	Thu	Qingya Cheng
Jessica Hepburn	Parks, Place, and Equity: Mapping access to different park typology in Britain's 20-minute neighbourhoods	Rethinking Geographic Equity: Public Space	3	2D2	Thu	
Nicholas Cork	Shared spaces: transport networks to link ecological communities in the UK – a regional perspective	Rethinking Geographic Equity: Public Space	3	2D2	Thu	
Cécile De Bezenac	Emergent Causal Effects of Segregation: an ABM Illustration	New Directions in Spatial Analysis III: Knowing	3	2D3	Thu	Nick Malleson

Anastassia Vybornova	You Don't Have to Live Next to Me: Towards Demobilizing Individualistic Bias in Computational Approaches to Urban Segregation	New Directions in Spatial Analysis III: Knowing	3	2D3	Thu	
Jonny Huck	Embracing Uncertainty in Participatory GIS: Perceptions of tree planting in the English Lake District	New Directions in Spatial Analysis III: Knowing	3	2D3	Thu	
Lenka Hašová	Mapping Indoor air quality vulnerability across England and Wales: A neighbourhood classification	Rethinking Geographic Equity: Environment	3	LT	Thu	Fran Pontin
Trivik Verma	From Individual Action to Collective Hives: Identifying Gains in Community-oriented Urban Heating Transitions	Rethinking Geographic Equity: Environment	3	LT	Thu	
Kevin Credit	Exploring the transport-health-environment nexus through a new 'Health Rating Index' for Dublin, Ireland	Rethinking Geographic Equity: Environment	3	LT	Thu	

Session Group 4: Thursday 11:00-Noon

Name	Title	Session Title	Grp	Room	Day	Chair
Heather Chamberlain	Stratifying settlement by building type: assessing the accuracy of the GHS-BUILT-S dataset	Shaping Cities II: Settlements	4	2D1	Thu	Martin Fleischmann
Guy Solomon	Estimating urban areas using historical census data and the H3 grid	Shaping Cities II: Settlements	4	2D1	Thu	
Gianluca Boo	Bayesian building count estimation using ground surveys and satellite-derived data	Shaping Cities II: Settlements	4	2D1	Thu	
Parna Mandal	Modelling the Role of Mobility in Cholera Transmission Dynamics	Rethinking Geographic Equity: Health	4	2D2	Thu	Jessica Hepburn
Musa Chiriken	Seeing the source: Using Computer Vision to locate and map Cooling Towers to enhance preparedness for Legionella.	Rethinking Geographic Equity: Health	4	2D2	Thu	
Kathryn Adams	Associations between residential exposures to road traffic noise, deprivation and its impact on sleep disturbance across Greater Manchester.	Rethinking Geographic Equity: Health	4	2D2	Thu	
Taylor Matthew Oshan	Towards a decentralized geospatial web – risks and opportunities for GIScience	New Directions in Spatial Analysis IV: Being	4	2D3	Thu	Cecile de Benezac

Adam Dennett	GIS vs The City Council - Data Analytics, Collective Intelligence and Policy Dust-ups	New Directions in Spatial Analysis IV: Being	4	2D3	Thu	
Gale Chris	Geospatial Data & Homes England: Insights and Innovations in understanding housing data	New Directions in Spatial Analysis IV: Being	4	2D3	Thu	
Luc Wilson	Real-time Anatomy of the Cost-of-living Crisis	Rethinking Geographic Equity: Class & Time	4	LT	Thu	Humphrey Southall
Giada Garofani	The Urban Promise: Diverging Economic Perceptions of Opportunity around the world	Rethinking Geographic Equity: Class & Time	4	LT	Thu	
Humphrey Southall	Updating the Great Britain Historical GIS, and the Vision of Britain web site	Rethinking Geographic Equity: Class & Time	4	LT	Thu	

Session Group 5: Thursday 14:30-15:30

Name	Title	Session Title	Grp	Room	Day	Chair
Robin Lovelace	Mapping, classifying, and integrating diverse street network datasets: new methods and open source tools for active travel planning	Shaping Cities III: Streets	5	2D1	Thu	Clara Peiret-Garcia
Martin Fleischmann	Adaptive continuity-preserving simplification of street networks	Shaping Cities III: Streets	5	2D1	Thu	
Céline Van Migerode	Flexurba 2.0: delineating urban boundaries with different types of data and thresholding approaches	Shaping Cities III: Streets	5	2D1	Thu	
Yue Wang	The Spatiotemporal Dynamics of Cultural Events on Eventbrite	GeoAI for Geodemographics	5	2D2	Thu	Guy Solomon
Shunya Kimura	Smart Data Insights into Online Gambling: A Geodemographic Analysis of Behavioural Clusters in Great Britain	GeoAI for Geodemographics	5	2D2	Thu	
Mikaella Mavrogeni	The Geodemographic Classification of Interactivity for Greater London	GeoAI for Geodemographics	5	2D2	Thu	
Tom Cunningham	Multivariate Bayesian spatial modelling of child labour and out of school children in Nigeria: mapping areas of excess risk	New Directions in Spatial Analysis V: Scale	5	2D3	Thu	Chris Brunsdon

Victor Irekponor	Local Generalized Additive Spatial Smoothing (Local-GA): A New Approach to Mitigating the Modifiable Areal Unit Problem in Local Regression Modeling	New Directions in Spatial Analysis V: Scale	5	2D3	Thu	
Lex Comber	Using GAMs to understand whether and how processes vary over space and time	New Directions in Spatial Analysis V: Scale	5	2D3	Thu	
Fran Pontin	Identifying Food Insecurity and Childhood Obesity Interventions - A Multiscale Geographically Weighted Regression Approach	Rethinking Geographic Equity: Food I	5	LT	Thu	Chiara Gericke
Andy Newing	Access to healthy and affordable food in rural areas – the role of online groceries and branded convenience stores	Rethinking Geographic Equity: Food I	5	LT	Thu	
Laura Sheppard	Centering the importance of spatial accessibility in food bank use in England and Wales	Rethinking Geographic Equity: Food I	5	LT	Thu	

Session Group 6: Thursday 15:45-16:45

Name	Title	Session Title	Grp	Room	Day	Chair
Milad Malekzadeh	Quantifying Urban Attractiveness: The Role of Spatial Configuration and Visual Metrics in Perceived Attractiveness	Shaping Cities IV: Outcomes	6	2D1	Thu	Heather Chamberlain
Luisa Lo Presti	Road network simplification to support air quality analysis	Shaping Cities IV: Outcomes	6	2D1	Thu	
Anna Brázdová	Spatial modelling of the relationship between the urban form and population data	Shaping Cities IV: Outcomes	6	2D1	Thu	
Qingya Cheng	How Does ChatGPT Measure City Similarities?	GeoAI & Large Language Models	6	2D2	Thu	Meiliu Wu
Pablo Löw	Right and Wrong: Harnessing Visual geodata mining methods to find patterns in LLM generated geodata	GeoAI & Large Language Models	6	2D2	Thu	
Nick Malleson	Using Large Language Models to Predict Neighbourhood Change	GeoAI & Large Language Models	6	2D2	Thu	
Kevin Horan	Looking beyond the boundary: Modelling constituency-level voting behaviour in the 2024 UK General Election	New Directions in Spatial Analysis VII: Space & Place	6	2D3	Thu	Taylor Oshan

Roger Beecham	Should we use Multilevel Regression and Post-stratification when simulating area-level population outcomes?	New Directions in Spatial Analysis VII: Space & Place	6	2D3	Thu	
Sheng Zhou	RADIG: A Resolution-adaptive Grid Reference Framework for Persistent Spatial Index	New Directions in Spatial Analysis VII: Space & Place	6	2D3	Thu	
Daniel Milner	Measuring Smallholder Resilience in an Agro-Ecologically Diverse Landscape: A Comparative Analysis of Selected Resilience Assessments	Rethinking Geographic Equity: Food II	6	LT	Thu	Caitlin Robinson
Chiara Gericke	A Spatial Analysis of Fast-Food Outlet Density Around London Schools: Implications for Policy and Planning	Rethinking Geographic Equity: Food II	6	LT	Thu	
Michal Iliev	Mapping Nighttime Food Deserts in London	Rethinking Geographic Equity: Food II	6	LT	Thu	

Session Group 7: Friday 9:00-10:00

Chris Larkin	Integrating Low Traffic Neighbourhoods into UK Cycle Network Planning	Innovations in Urban Analytics: Cities in Motion	7	2D1	Fri	Richard Timmerman
Juan Pablo Fonseca Zamora	A Network Analysis Approach to Identifying Rat-Running Hotspots in Bogotá, Colombia.	Innovations in Urban Analytics: Cities in Motion	7	2D1	Fri	
Clara Peiret-Garcia	From Behaviours to Constraints: An adaptive Bayesian approach to understand how social and spatial environments shape mobility	Innovations in Urban Analytics: Cities in Motion	7	2D1	Fri	
Meiliu Wu	Towards GeoAI Multimodal Foundation Models: Unlocking Spatial Knowledge through Vision-Language Models	GeoAI in Practice	7	2D2	Fri	Milad Malekzadeh
Kirsty Watkinson	From Archives to AI: Using Old Maps and Gazetteers to Improve the Geoparsing Capabilities of Large Language Models	GeoAI in Practice	7	2D2	Fri	
Sitong Guo	Predicting Crime in London: Comparing Streetscape Environmental Features Extracted from Images and Social Features	GeoAI in Practice	7	2D2	Fri	
Luning Li	Mobile Phone App Data for Understanding Urban Public Park Usage: Opportunities and Challenges	New Directions in Spatial Analysis VI: Tools & Data	7	2D3	Fri	Lex Comber

Yitong Xia	Building sustainable and impactful tools: best practices and future directions for geo-dashboards	New Directions in Spatial Analysis VI: Tools & Data	7	2D3	Fri	
Lex Comber	Using house sales transactions data to identify potentially gentrifying neighbourhoods	New Directions in Spatial Analysis VI: Tools & Data	7	2D3	Fri	
Nick Addis	What makes a place unsafe? Using participatory mapping to explore student perceptions of unsafe spaces.	Rethinking Geographic Equity: Safety	7	LT	Fri	Trivik Verma
Mingyu Zhu	Urban Gendered Spaces: A Spatial Perspective to Sexual Crimes	Rethinking Geographic Equity: Safety	7	LT	Fri	
Tobias Willem Shinyemba	The geography of sexual, physical, and emotional violence against children and young people in Namibia	Rethinking Geographic Equity: Safety	7	LT	Fri	

Posters

Name	Title	Session Title
Christopher Lloyd	GeoLink R package	Poster
Claude Lynch	GIS Isn't Working: the use, influence, and role of GIS in an applied transport context	Poster
Sayed Ishaq Deliry	Advancing Water Budget Estimations in River Basins through Machine Learning-Based Spatial Downscaling of GRACE and GRACE-FO Satellite Terrestrial Water Storage Data	Poster
Matti Hästbacka	The importance of nature for tourists: evidence from multiple perspectives using social media data	Poster
Ji-Ping Lin	How Scientific Computing, Spatial Data Science, Open Science, and Open Data Help Revitalizing Hard-to-reach Population: Evidence from a Decade Research on Taiwan Indigenous Peoples	Poster
Huan Chen	Optimizing Litter Bin Locations in North Lanarkshire, Scotland	Poster
Philyoung Jeong	Improving Accessibility Analysis for Cycling: Developing a Network Weighting Scheme using Detailed Cycle Infrastructure Data and Level of Traffic Stress	Poster
Dongyi Ma	Hyperlocal Thermal Modeling with IoT Sensors and UMEP in London's Queen Elizabeth Olympic Park	Poster
Shitian Zhang	Open-Source Web-Based Planning Support Application for Wind Farm Layout	Poster
Kate Booth	Investigating the Impact of Airstrips on Deforestation in Indigenous Territories of the Brazilian Amazon	Poster
Howard Wong	Individualised stop aggregation: a combined service-supply and demand-usage driven approach	Poster

Sam Denny	School-level factors influencing NEET outcomes in England	Poster
Dominick Sutton	Analysing survey nonresponse: how objectivity and geography affect response rate	Poster
Chuang Liu	The Socio-Economic Landscape of Walking: Longitudinal Insights from the UK National Travel Survey (2007-2023)	Poster
Malcolm Morgan	A synthetic population for small area household consumption and emissions in England and Wales	Poster
Vitalii Kriukov	Habitat connectivity trends: calculation, modelling and assessment	Poster
Yuxin Zhao	Modelling Fire Service Response Times in West Midlands, UK	Poster
Zhiqiang Feng	Inequalities in spatial access to general practices in England: analysis of patient registration data	Poster
Abhinav Galodha	Assessing wildfire impacts in Los Angeles using VIIRS and Landsat-9 TIRS imagery	Poster
Tom Komar	Hierarchical Forecasting of Urban Footfall Integrating Temporal and Spatial Dimensions	Poster
Anastasia Bauch	Remodelling Historic Maps	Poster
Naya Desai	Urban Vegetation Drought Detection from Space: An Unsupervised Machine Learning Approach	Poster
Hoda Bakhshi	Sidewalk width measurement using street view images and spatial data analysis	Poster