

Nikos Patias

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EDUCATION

2017 – 2021

University of Liverpool | Liverpool, United Kingdom

Integrated PhD and MSc in Data Analytics and Society

Subjects: Analysis of human dynamics, Understanding data and its environment, Programming for social sciences, Data science for social scientists, Spatial analysis, Social survey analysis

PhD: Spatial Inequality in Socioeconomic and Built Environment in Britain: Trajectories, Interactions and Indicators

Supervisor: Francisco Rowe, Dani Arribas-Bel

2014 – 2015

Heriot Watt University | Edinburgh, United Kingdom

MSc: Real Estate and Planning (RICS - RTPI accredited degree)

Thesis title: 'Environmental and socio-economic impacts on Real Estate values: A hedonic study for the City of Edinburgh'

Subjects: Sustainable Design and Development, Governance Participation and Community Planning, Real Estate Development, Strategic Spatial Vision Project, Spatial Planning

2007 – 2013

Aristotle University of Thessaloniki | Thessaloniki, Greece

Diploma Engineer Degree - Spatial Planning and Development Engineering (300 ECTS - Master Equivalent)

Thesis title: 'Management of Municipal Real Estate: Application to the Community of Dovra, Greece'

Subjects: Urban Planning and Design, Strategic Spatial Planning in Metropolitan Areas, Strategic planning and territorial governance, Environmental impact assessment, Spatial Development planning, Real Estate valuation and management, Evaluations of development programs, Economics of development, Statistics, Sociology of space - Social aspects of space

EMPLOYMENT HISTORY

9/2021 – present

Junior Policy Analyst | OECD-Centre for Entrepreneurship, SMEs, Regions and Cities, France

- Accessibility indicators
- Urban development
- Global definitions of settlements

8/2015 – 9/2017

Senior Analyst | David Simmonds Consultancy Limited, United Kingdom

- Land use – Transport model analysis
- Planning Policy data processing
- Census data processing
- Model development

07/2013 – 08/2013

Research Assistant | The Aristotle University of Thessaloniki, Research Committee, Greece

Research assistant for the project 'Fostering sustainability and uptake of research results through networking activities in Black Sea & Mediterranean areas'

- Data management
- Report preparation

01/2011 – 05/2011

Research Assistant | Infometria Limited, Greece

Research assistant for the project 'Municipal Real Estate property management- Municipality of Trikala'

- Market research
- Data processing

11/2010 – 04/2012

Research Assistant | Infometria Limited, Greece

Research assistant for the project 'GeoVal – GIS System for Real Estate'

- Model development
- Market research

05/2008 – 10/2010

Research Assistant | The Aristotle University of Thessaloniki, Research Committee, Greece

Research assistant for the project 'Upgrade and maintenance of the Vineyard Cadastre of Cyprus'

- EU Regulations
- GPS measurements
- Database maintenance

PROFESSIONAL DEVELOPMENT

- WorldPop winter school 2018-University of Southampton
- Ordnance Survey TopoNet Hack
- Urban modelling to solve city problems-Ordnance Survey

ADDITIONAL SKILLS

- **Software:** Windows, Mac and Linux operating systems; R; Python: Scikit-learn, Pandas, NumPy; GIS software (QGIS, ArcGIS); Microsoft office
- **Data Collection and Analysis**

PUBLICATIONS

- Patias, N., Rowe, F. and Arribas-Bel, D. (2021). Trajectories of neighbourhood inequality in Britain: Unpacking inter-regional socioeconomic imbalances, 1971-2011. The Geographical Journal. Accepted Author Manuscript. <https://doi.org/10.1111/geoj.12420>
- Patias, N., Rowe, F., Cavazzi, S., and Arribas-Bel, D. (2021). Sustainable urban development indicators in Great Britain from 2001 to 2016. Landscape and Urban Planning, 214:104148
- Rowe, F., Robinson, C., and Patias, N. (2021). Sensing Global Changes in the Local Patterns of Energy Consumption in Cities During the Early Stages of the COVID-19 Pandemic. doi: <https://doi.org/10.21203/rs.3.rs-846222/v1>
- Nikos Patias and Francisco Rowe (2021). extRatum: Summary Statistics for Geospatial Features. R package version 1.0.4. <https://CRAN.R-project.org/package=extRatum>
- Robinson, C., Rowe, F., Patias, N., et al. (2020). The Geography of the COVID-19 Pandemic in England. doi: <https://livrepository.liverpool.ac.uk/3110808/1/Heseltine%25%E2%80%A2>
- Patias, N. (2020) "Exploring long-term youth unemployment in Europe using sequence analysis: a reproducible notebook approach", REGION, 6(3), pp. 53-69. doi: 10.18335/region.v6i3.277.
- Francisco Rowe & Nikos Patias (2020) Mapping the spatial patterns of internal migration in Europe, Regional Studies, Regional Science, 7:1, 390-393, DOI: 10.1080/21681376.2020.1811139
- Patias, Nikos, Francisco Rowe, and Stefano Cavazzi. (2020). "A Scalable Analytical Framework for Spatio-Temporal Analysis of Neighborhood Change: A Sequence Analysis Approach." In Geospatial Technologies for Local and Regional Development, edited by Phaedon Kyriakidis, Diofantos Hadjimitsis, Dimitrios Skarlatos, and Ali Mansourian, 223-41. Cham: Springer International Publishing.
- Rowe, F., Patias, N. and Arribas-Bel, D. (2020), Neighbourhood Change and Trajectories of Inequality in Britain, 1971-2011. Policy Brief 1. Geographic Data Science Lab, University of Liverpool. <http://uk2070.org.uk/wp-content/uploads/2020/02/07-Neighbourhood-Inequality.pdf>
- Rowe, F., Patias, N., Rodríguez-Vignoli, J. (2018). CIM: Compositional Impact of Migration. R package version 1.0.0.

MEDIA

- Carto - Map of The Month: Trajectories of Neighbourhood Change: <https://carto.com/blog/trajectories-of-neighbourhood-change-map/>