

Martin Fleischmann

Geographic Data Science Lab
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EDUCATION

- Ph.D. Architecture, University of Strathclyde, Glasgow, 2021
MSc. Urban Design, University of Strathclyde, Glasgow, 2017
BSc. Architecture and Urbanism, Czech Technical University, Prague, 2015

APPOINTMENTS

- 2020– University of Liverpool
 Postdoctoral Researcher, Department of Geography and Planning

RESEARCH AREAS

Urban Morphology
Urban Geography
Geographic Data Science
Scientific software development

PUBLICATIONS

Journal Articles

- 2021 Fleischmann, M., Feliciotti, A. and Kerr, W. 'Evolution of urban patterns: urban morphology as an open reproducible data science.' *Geographical Analysis* (in press). doi:10.1111/gean.12302
- 2020 Dal Cin, F., Fleischmann, M., Romice, O. and Costa, J.P. 'Climate Adaptation Plans in the Context of Coastal Settlements: The Case of Portugal.' *Sustainability* 12 (20). doi:10.3390/su12208559
- 2020 Fleischmann, M., Romice, O. and Porta, S. 'Measuring urban form: overcoming terminological inconsistencies for a quantitative and comprehensive morphologic analysis of cities.' *Environment and Planning B: Urban Analytics and City Science* published online ahead of print. doi:10.1177/2399808320910444
- 2020 Fleischmann, M., Feliciotti, A., Romice, O. and Porta, S. 'Morphological tessellation as a way of partitioning space: Improving consistency in urban morphology at the plot scale' *Computers, Environment and Urban Systems* 80, 101441. doi:10.1016/j.compenvurbsys.2019.101441
- 2019 Fleischmann, M. 'momepy: Urban Morphology Measuring Toolkit' *Journal of Open Source Software* 4 (43), 1807. doi:10.21105/joss.01807

Manuscripts under Review

- 2021 Fleischmann, M., Feliciotti, A., Romice, O. and Porta, S. 'Methodological Foundation of a Numerical Taxonomy of Urban Form.' Under review.

RESEARCH SOFTWARE DEVELOPMENT

- 2018– momepy: Urban Morphology Measuring Toolkit (author)
2019– GeoPandas (core developer)
2020– PySAL (core developer)
2020– clustergram (author)

INVITED TALKS

- 2021 'Spatial Signatures: Dynamic classification of the built environment.' Spatial Analytics and Data seminar series. Online. Mar 30.
2020 'Reading cities as numbers. Where data science meets urbanism.' Academy of Urbanism (Scotland). Online. Dec 3.

CONFERENCE ACTIVITY

Conferences Organized

- 2021 'International Seminar on Urban Form' Urban Form and the Sustainable Prosperous City. Glasgow (virtually), UK. Jun 29 – Jul 3.

SERVICE

Academic Journal Peer Review

Environment and Planning B: Urban Analytics and City Science

Geographical Analysis

Journal of Open Source Software

Journal of Statistical Software

Plos ONE

Urban Morphology

Academic Press Peer Review

CRC Press

CONSULTING

- 2019–20 Institute for Planning and Development, Prague, Czechia
2020 Places Platform, US

Updated July 2021