

Haifeng Niu

PhD Candidate in Land Economy, University of Cambridge

Lab of Interdisciplinary Spatial Analysis

Address: Department of Land Economy, 19 Silver Street Cambridge, CB3 9EP, UK

Email: haifeng.niu@outlook.com

Website: haifengniu.com

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Education

2017-Present: PhD Candidate in Land Economy, Department of Land Economy, University of Cambridge, UK

2014-2017: M.E in Urban and Rural Planning, School of Architecture and Urban Planning, Huazhong University of Science and Technology, China

2010-2014: B.S in Resources, Environmental Science and Urban&Rural Planning Management, School of Resources and Environmental Science, Sichuan Agricultural University, China

Research Interests

Quantitative Urban Studies, Urban Big Data, Social Media Data, Spatial Data Mining, Smart City, Urban Computation

Academic Skills

Python; R; SQL(Postgres); GIS(ArcGIS/QGIS)

Academic Experience

Department of Land Economy, University of Cambridge

- 2019-2020 Spatial Analysis and Modelling (Course Coordinator/Supervisor)
- Mphil Dissertation Presentation (Second Panelist)
- 2018-2019 Mixed-method Research (Demonstrator)
- 2017-2018 Mixed-method Research (Demonstrator)

School of Architecture and Urban Planning, Huazhong University of Science and Technology

- 2016-2017 Graduate Project (Supervisor)
 - 2015-2016 Urban Design Practice Course (Teaching Assistant)
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Conference Presentation

- Data for Policy 2019: Digital Trust and Personal Data (University College London, UK), "Machine learning the images of a city and informing urban policy making"
 - Centre for Digital Built Britain Summer Showcase 2018 (Centre for Digital Built Britain, University of Cambridge, UK)
 - The Early Career Researchers' Conference (ECRC) 2018 (Department of Land Economy, University of Cambridge, UK)
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Research Projects

- Co-Investigator, 2018 Mini-projects Programme, Centre for Digital Built Britain, University of Cambridge (2018)
 - Researcher, Improved Urban Public Spaces in China, UN-Habitat, Wuhan (2017)
 - Researcher, ICOMOS Wuhan Research Center of Shared Built Heritage, Wuhan (2016-2017)
 - Participant, Four-dimensional Cities, National Natural Science Foundation of China (2014-2015)
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Publications

- Niu, H. and Elisabete A, S. (forthcoming), 'Crowdsourced Data in Mining Urban Activity: A Review of Data Sources, Applications and Methods', **Journal of Urban Planning and Development**.
- Elisabete A, S., L. Liu, R. Kwon Heeseo, H. Niu and Y. Chen (2020), 'Hard and Soft Data Integration in Geocomputation: Mixed Methods for Data Collection and Processing in Urban Planning', in **Handbook on Planning Support Science**, Edward Elgar Publishers.
- Yi He, Haifeng Niu, & Wei Deng. (2017). The Study on Regional Characteristic of Ancient Villages under the Influence of External Mechanism. *Urban Planning Review(Chinese)*, 41(10), 76–85.
- Yi He, Haifeng Niu, & Qian He. (2016). A Research of City Spatial Memory Based on the 'Event History'. *Urbanism and Architecture(Chinese)*, (16), 16–20.

Awards

- China Scholarship Council Cambridge Scholarship