

Curriculum Vitae

Personal information:

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Date of CV: 2024-11-05

Expertise and areas of interest:

Land policy, land-use, land market, housing market, spatial models, econometrics, analytics engineering.

Education:

2020-08-31: Master of Science (Technology), Urban Studies and Planning in Real Estate Economics, Aalto University, Espoo, Finland.

2015-06-01: Bachelor of Arts (Fine Arts), Town Planning, University of Tehran, Tehran, Iran,

Other education and expertise:

Participating in following workshops/courses at Aalto University training programs:

- Working with restricted datasets
- Scientific Computing in Practice
- Oxford Machine Learning Summer School, OxML 2023
- Urban Economic Association, UEA 2020 Lectures on Urban Economics

Data analysis skills:

- Coding in R, python, Julia, and STATA
- Database and data storage in Postgres, SQLite, SpatiaLite, and MongoDB
- Performing Spatial analysis using R, python, QGIS and ArcGIS
- Data gathering from various API and databases.
- Statistics and econometrics modelling
- Spatial data analytics and data mining
- Familiarity with Azure web services

Current employment:

2020-09-01: Doctoral Candidate, Real Estate Economics, Department of Built Environment, Aalto University, Espoo, Finland.

Thesis topic: Impacts of Public Land Development on housing markets.

In my thesis, I examine quantitatively how Public Land Development (aktiivinen maapolitiikka) affects housing markets. The thesis comprises of three scientific journal articles that address the question from different perspectives and empirical settings. The first two papers address general land use policy stringency and specific, cyclical effects of public land development in the Finnish case. For these papers I have combined Finnish plan data (from Liiteri service), Open data provided by Statistics Finland, and spatial data provided by SYKE, to create an index of land use policy stringency in Finland. In the second paper I am using the Real Estate Transaction Data by National Land Survey of Finland, and construct measures of Public Land Development activity in Finnish municipalities. I use these measures to evaluate the effects of Public Land Development on the supply elasticity of housing using methods of time-series econometrics.

My third paper evaluates the effects of Public Land Development on plan implementation in the Netherlands. In this paper, I collaborate with colleagues in Radboud University in the Netherlands. I have constructed a spatial data set of the Dutch land development plans and their implementation from 2010 to 2022 and estimate the effects of Public Land Development using methods of micro-econometrics (Hazard/Survival models).

Due to my expertise in GIS and spatial data management, I am responsible of data collection, data management and data processing in Real Estate Research Group. In this position I have worked with all relevant real estate and land use related data sets (Oikotie.fi, Kiinteistövälittäjien Keskusliitto, Real Estate Transaction data by the National Land Survey, as well several Open data sources from e.g., Statistics Finland, SYKE, as well as open data sources provided by various Finnish municipalities) in Finland.

Previous work experience:

2021-01-01 to 2021-09-30: Data analysis consultancy– Part-time, QISSA Co. Ltd.

2019-09-01 to 2020-08-30: Research Assistant– Full-time, Real Estate Research Group, Aalto University

2019-02-01 to 2021-05-01: Planning Assistant – Part-time, WSP Finland Oy, Helsinki.

2015-06-01 to 2016-03-31: GIS analyst – Part-time, University of Tehran, funded by Municipality of Tehran.

Teaching merits:

2023-10-11: Science and Breakfast Staff Meeting, Introduction to Zotero, how to migrate from Mendeley.

2023-03-29: Guest lecturer in Spatial Planning and Traffic engineering (SPT) program, Aalto university. Data analysis and Visualization using PPGIS.

2023-01-28: Guest lecturer in Urban Studies and Planning (USP) program, Aalto university. How to use GIS in Urban studies and planning.

2023-09-01: Tutor in Urban Studio Challenge 1 (USP) course, Data analysis, GIS, planning and data visualization assistant.

2021-11-24: Guest lecturer in Sustainable Built Environment (SBE) course, Aalto university. GIS, Spatial Thinking and their use cases in sustainability and urban resilience.

2020-12-02: Guest lecturer in Sustainable Built Environment (SBE) course, Aalto university. GIS and its use cases in sustainability and urban resilience.

2020-10-30: Participating in “Teaching assistant as a learning instructor” course

2020-05-16: Guest lecturer in Digital urban course at Aalto university. Teaching about data analysis and its uses in built environment, types of data and available information.

Language skills:

Persian: Native English: C1

Publications:

- B. Firoozi Fooladi, 'The effect of public land development on housing supply', Master's thesis, Aalto University. School of Engineering, 2020. [Online]. Available: <http://urn.fi/URN:NBN:fi:aalto-202008234942>
- P. Beckers, H. Ploegmakers, and B. Firoozi Fooladi, 'De realisatie van goedgekeurde plannen: inzicht in de doorlooptijden en factoren die hierop van invloed zijn', *RERQ*, vol. No. 2, no. Woningbouw, pp. 73–87, Dec. 2022.