

Jaeeon Lee

Brain Korea Research Team for the Future Landscape
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RESEARCH INTEREST

Human mobility, Travel behavior, Activity pattern, Urban form, GIScience, Spatial data analysis

EDUCATION

Seoul National University, Seoul, South Korea

M.A. in Geography

Mar 2021 – Feb 2023

- Adviser: Prof. Jungyul Sohn

Seoul National University, Seoul, South Korea

B.A. in Geography and Economics

Mar 2015 – Feb 2021

- Graduated with Honors (Summa Cum Laude).
- Cumulative GPA: 4.00 / 4.30

PUBLICATIONS

- [3] **Jaeeon Lee** & Gunhak Lee (2022), Exploring the Change of Population Flows in an Urban Area during the COVID-19 Pandemic: Focused on the Commuting Pattern based on Seoul Daily Life Movement Data, *Journal of the Korean Urban Geographical Society*, 25(2), 15-32.
- [2] **Jaeeon Lee** & Euijune Kim (2022), Effect of Urban Redevelopment Project on Reducing Vacant Houses in Small and Medium-Sized Cities, *Social Economy and Policy Studies*, 12(3), 119-147.
- [1] **Jaeeon Lee** & Jungyul Sohn (2021), Travel Disparity among the Elderly in Seoul during the COVID-19 Pandemic Period: Differences in Destination Diversification according to Socioeconomic and Spatial Factors, *Journal of the Korean Regional Science Association*, 37(4), 75-93.

WORKING PAPER

- [1] **Jaeeon Lee** & Jungyul Sohn, Revealing the differential changes in commuting flows to employment centers across workers' skill levels by referring to their commuting origins: a case of Seoul during the COVID-19 pandemic, Under review in *International Journal of Urban Science*.

CONFERENCE PRESENTATION

- [6] **Jaeeon Lee** & Jungyul Sohn, Travel disparity in Seoul commuting network during the COVID-19 pandemic: differences in work-from-home adoptions across education levels and industries, *The 72th Conference in Korean Regional Science Association*, Sejong, South Korea, July. 7, 2023.
- [5] **Jaeeon Lee** & Jungyul Sohn, Travel disparity in Seoul commuting network during the COVID-19 pandemic: differences in work-from-home adoptions across education levels and industries, *The 69th North American Meetings of Regional Science Association International (NARSC)*, Montreal, Quebec, Nov. 9-12, 2022.
- [4] **Jaeeon Lee** & Jungyul Sohn, Travel disparity in the bipartite commute network during the COVID-19 pandemic: a case of Seoul, *The 12th Asian Conference in Regional Science*, Ulsan, South Korea, Aug. 7-9, 2022.
- [3] **Jaeeon Lee** & Gunhak Lee, Change in the commuting patterns before and after the COVID-19 Pandemic in Seoul: the commuting flows between functional areas using Seoul daily life movement, *2022 Korean Geographical Society Annual Meeting*, Seoul, South Korea, Jun. 24–25, 2022.
- [2] **Jaeeon Lee** & Jungyul Sohn, Trip disparity among the elderly in Seoul during the COVID-19 pandemic: differences in destination diversification according to socioeconomic and spatial factors, *2022 American Association of Geographers Annual Meeting (AAG)*, Virtual, Feb. 25 – Mar. 1, 2022.
- [1] **Jaeeon Lee** & Jungyul Sohn, Trip disparity among the elderly in Seoul during the COVID-19 pandemic: differences in destination diversification according to socioeconomic and spatial factors, *The 69th Conference in Korean Regional Science Association*, Virtual, Dec. 3, 2021.

RESEARCH & WORK EXPERIENCE	Brain Korea Research Team for the Future Landscape , SNU, Seoul, South Korea	
	<i>Research Team Administrator</i>	May 2023 – Present
	<ul style="list-style-type: none"> • Arranged multi-disciplinary seminars and research funding for 40+ graduate students in the Department of Geography at SNU • Invited an official at the Seoul Metropolitan Government as a guest lecturer for a colloquium on smart cities and data management. 	
	<i>Graduate Student Researcher</i>	Mar 2021 – Feb 2023
	<ul style="list-style-type: none"> • Geographic Information Science and Spatial Modeling Module • Conducted research on human mobility patterns during the COVID-19 pandemic • Focus: smart-card data, mobile-based mobility data, network community detection. 	
	Climate Change and Evolving Urban-Economic Structures , SNU, Seoul, South Korea (PI: Prof. Daehyun Kim)	
	<i>Graduate Student Researcher</i>	Mar 2021 – Feb 2022
	<ul style="list-style-type: none"> • Conducted literature review and empirical research on the vulnerability of the older population during heat waves 	
	Korea Land & Housing Corporation , Seoul, South Korea	
	<i>Intern</i>	Jul 2020 – Aug 2020
TEACHING EXPERIENCE	<ul style="list-style-type: none"> • Conducted fieldwork on the redevelopment sites located at the old-town Seoul 	
	Big Data and Machine Learning for Social Scientists , KOSSDA Summer Bootcamp	
	<i>Teaching Assistant</i>	Jan 2022
	<ul style="list-style-type: none"> • Instructed machine learning using the programming language R • Assisted Prof. Dohyeong Kim at the University of Texas, Dallas 	
	Spatial Analysis and Modeling , KOSSDA Summer Bootcamp	
	<i>Teaching Assistant</i>	Jul 2021
	<ul style="list-style-type: none"> • Instructed spatial analysis using the programming language R • Assisted Prof. Dohyeong Kim at the University of Texas, Dallas 	
	SNU - Korea Land Housing Corporation Urban Data Analytics School , SNU, Seoul, South Korea	
	<i>Participant</i>	Aug 2023
	<ul style="list-style-type: none"> • Conducted a project on the association between street environments and car accidents using Python. 	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none"> ▪ Best Presentation Award in Graduate Student Paper Competition, KRSA • The 72th Conference in Korean Regional Science Association 	Jul 2023
	<ul style="list-style-type: none"> ▪ Best Presentation Award in Graduate Student Paper Competition, KRSA • The 69th Conference in Korean Regional Science Association 	Dec 2021
	<ul style="list-style-type: none"> ▪ Best Graduate Student Research Award, BK Research Team for the Future Landscape, SNU • For outstanding presentation in academic conferences in the school year of 2021. 	Feb 2022
	<ul style="list-style-type: none"> ▪ Best Graduate Student Paper Award, BK Research Team for the Future Landscape, SNU • For outstanding publication (Jaegwon Lee & Jungyul Sohn, 2021) in the school year 2021. 	Feb 2022
	<ul style="list-style-type: none"> ▪ Merit-Based Scholarship (full tuition for 5 semesters) • Spring 2016, Fall 2018, Spring 2019, Fall 2019, Fall 2020 	2016 – 2020
SERVICES	Social Responsibility Team , SNU, Vientiane, Laos	
	<i>Team Member</i>	Jan 2019
<ul style="list-style-type: none"> • Designed and built sustainable and affordable agricultural facilities in Laos 		
Korean Augmentation To the United States Army (KATUSA) , Camp Red Cloud, Uijeongbu, Korea		

**LANGUAGES &
SKILLS**

- Languages: Korean (Native), English (Professional)
- Programming Languages: **R** (tidyverse, sf, lme4, FactoMinerR), **Python** (scikit-learn, geopandas)
- GIS Software: ArcGIS Online, ArcGIS Pro, Q-GIS
- Others: Latex, Markdown, Quarto

[Updated on Oct. 2023]