

# Jaeeon Lee

Brain Korea Research Team for the Future Landscape  
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## EDUCATION

**Seoul National University**, Seoul, South Korea

*M.A. in Geography*

Mar 2021 – Feb 2023

- Thesis: Differences in Commuting Inflow Patterns among the Employment Districts in Seoul along with the Adoption of Work-from-Home during the COVID-19 Pandemic Period
- 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

## RESEARCH INTEREST

**Topics:** Human mobility, Travel behavior, Urban form, Older adults, Commuting

**Methods:** Spatial econometrics, Machine learning, GIS

## 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. (in Korean)
- [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. (in Korean)
- [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. (in Korean)

## 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 English)

## RESEARCH & WORK EXPERIENCE

**Brain Korea Research Team for the Future Landscape**, SNU, Seoul, South Korea

*Research Team Administrator*

May 2023 – Present

- Arranged multi-disciplinary seminars and research funding for 40+ graduate students in the Department of Geography at SNU
- Facilitated an invitation lecture by an official at the Seoul Metropolitan Government on the topic of smart cities.

*Graduate Student Researcher*

Mar 2021 – Feb 2023

- 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)

Graduate Student Researcher Mar 2021 – Feb 2022

- Reviewed the literature on the vulnerability of the older population during heat waves.
- Conducted research on the shifting mobility patterns of older adults during heat waves using smart-card data.

**Korea Land & Housing Corporation**, Seoul, South Korea

Intern Jul 2020 – Aug 2020

- Conducted fieldwork on the redevelopment sites located at the old-town Seoul

TEACHING  
EXPERIENCE

**Big Data and Machine Learning for Social Scientists**, KOSSDA Summer Bootcamp

Teaching Assistant Jan 2022

- 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

Teaching Assistant Jul 2021

- Instructed spatial analysis using the programming language R
- Assisted Prof. Dohyeong Kim at the University of Texas, Dallas

CONFERENCE  
PRESENTATION

*International Conference*

- [3] **Jaegeon 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.
- [2] **Jaegeon 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.
- [1] **Jaegeon 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.

*Domestic Conference*

- [3] **Jaegeon 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.
- [2] **Jaegeon 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.
- [1] **Jaegeon 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, 2022.

AWARDS &  
SCHOLARSHIPS

- Best Presentation Award in Graduate Student Paper Competition, KRSA Jul 2023
  - The 72th Conference in Korean Regional Science Association
- Best Presentation Award in Graduate Student Paper Competition, KRSA Dec 2021
  - The 69th Conference in Korean Regional Science Association
- Best Graduate Student Research Award, BK Research Team for the Future Landscape, SNU Feb 2022
  - For outstanding presentation in academic conferences in the school year of 2021.

- Best Graduate Student Paper Award, BK Research Team for the Future Landscape, SNU      Feb 2022
  - For outstanding publication (Jaegeon Lee & Jungyul Sohm, 2021) in peer-reviewed journal in the school year of 2021.
- Merit-Based Scholarship (full tuition for 5 semesters)      2016 – 2020
  - Spring 2016, Fall 2018, Spring 2019, Fall 2019, Fall 2020

## SERVICES

### **Social Responsibility Team, SNU**

*Team Member*

Jan 2019

- Designed and built sustainable and affordable agricultural facilities in Laos
- In charge of logistics for agricultural facilities

### **Korean Augmentation To the United States Army (KATUSA), Camp Red Cloud, Uijeongbu, Korea**

*Enlisted Military Service for the Republic of Korea as a Chaplain Assistant*

Aug 2016 – Apr 2018

## OTHER EXPERIENCE

### **SNU-Korea Land Housing Corporation Urban Data Analytics School, SNU, Seoul, South Korea**

*Participant*

Aug 2023

- Conducted a project on the association between the street environment and the number of car accidents using Python.

## LANGUAGES & SKILLS

- Korean (Native), English (Professional)
- Programming Languages: R (tidyverse, sf, lme4), Python (scikit-learn, geopandas)
- GIS Tools: Q-GIS
- Others: Latex, Markdown, Quarto

[Updated on Oct. 2023]