

JIHO KWAK

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1 Gwanak-ro, Gwanak-gu, Seoul, South Korea

RESEARCH INTERESTS

Spatial Statistics, Spatio-Temporal Causal Inference, Population Geography

EDUCATION

Seoul National University B.A. in Geography, B.Sc. in Statistics (Double Major)	2020 – 2026 Seoul, KR
• Graduated first in class, College of Social Sciences • Related Coursework: Mathematical Statistics, Regression Analysis and Lab, Statistical Machine Learning, Spatial Analysis and Geography Education, Spatial Analytics I & III	
Seoul Global High School	2017 – 2020 Seoul, KR

EXPERIENCE

Research Internship , Graduate School of Data Science Seoul National University, Supervisor: Sanghack Lee	Jun 2026 – Aug 2026 Seoul, KR
• Summer research internship at the Causality Lab • Explored causal inference with remotely sensed variables and IV methods	
Research Internship , Department of Geography Seoul National University, Supervisor: Insang Song	May 2026 – Aug 2026 Seoul, KR
• Conducted a government-commissioned research project (Ministry of Health and Welfare) • Analyzed regional disparities in social service utilization and unmet demand across Korea	
Research Internship , Max Planck Institute for Demographic Research Supervisor: Jisu Kim	Aug 2024 – Feb 2025 Rostock, DE
• Department of Digital and Computational Demography, Laboratory of Migration and Mobility • 2024 Cohort of Korea-Germany Junior Research Fellowship Program	

PUBLICATIONS

1. J. Kwak, M. Kang, M. Kim, J. Lim. Parking Facility Location Optimization in Gangnam-gu based on Illegal Parking Data. *Campus Impact* 2021, 2022.

PROJECTS

1. J. Kwak, S-I. Lee. Omitted Variable Bias in Geographically Weighted Regression, 2026. (Working Paper)
2. J. Kwak, I. Song. Assessing the Population Effects of Public Institution Relocation through Spatial Causal Inference, 2025. (Social Sciences Research Grant for Undergraduate Students)
3. J. Kwak, B. Kang, S-I. Lee. Effects of the MAUP on Regression Analysis Under Different Levels of Spatial Autocorrelation and Cross Correlation, 2025. (Undergraduate Independent Research)

4. J. Kwak, J. Kim, E. Kotov, T. Theile. Analyzing Country-Level Heterogeneity in Public Attitudes Toward Migration Topics on Bluesky, 2025. (Working Paper)

PRESENTATIONS

1. J. Kwak, I. Song. Assessing the Population Effects of Public Institution Relocation through Spatial Causal Inference. Poster, *2026 Annual Meeting of the Korean Geographical Society*, South Korea, Jun 2026.
2. J. Kwak, J. Kim, E. Kotov, T. Theile. Analyzing Country-Level Heterogeneity in Public Attitudes Toward Migration Topics on Bluesky. Poster, *11th International Conference on Computational Social Science (IC2S2)*, Norrköping, Sweden, Jul 2025.
3. J. Kwak. Lab Talk, *Laboratory of Migration and Mobility, Max Planck Institute for Demographic Research*, Rostock, Germany, Feb 2025.

SKILLS

Programming Languages and Frameworks

R, Python, L^AT_EX, Excel, ArcGIS

Languages

Korean (native), English (professional), Chinese (elementary)

SCHOLARSHIPS

Social Sciences Research Grant for Undergraduate Students College of Social Sciences, Seoul National University	2025
Korea-Germany Junior Research Fellowship Program Max Planck POSTECH/Korea Research Initiative	2024
Work-Study Scholarship Institute of Social Sciences, Seoul National University	2023, 2025
Scholarship for Academic Excellence Seoul National University	2023, 2025
Yook Jisu, Lee Kwanghee Scholarship for Geography Student Department of Geography, Seoul National University	2020

AWARDS

Distinguished Paper, Undergraduate Independent Research 2025 SNU Liberal Education Center	Feb 2026
2nd Place, Multidisciplinary Major Essay Contest SNU Academic Advising Center	Mar 2025
3rd Place, 40th SNU Student Paper Competition SNU Liberal Education Center	Sep 2024

MISCELLANEOUS

English Interpreter , 2nd Operational Command, ROK Army	May 2021 – Nov 2022
• Participated in three combined trainings with the US Army • Personnel Department squad leader	