JIHO KWAK

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

RESEARCH INTERESTS

Spatial Statistics, Causal Inference, Population Geography

EDUCATION

Seoul National University   2020 - 2026 (expected)
B.A. in Geography, B.Sc. in Statistics (Double Major)   Seoul, KR

- GPA: 4.19/4.30, Credit: 112/130

- Related Coursework: Mathematical Statistics 1, Regression Analysis and Lab,
  Spatial Analysis and Geography Education, Data Analysis and Lab

Seoul Global High School   2017 - 2020
                                                                      Seoul, KR

EXPERIENCE

Research Internship, Max Planck Institute for Demogrphic Research   Aug 2024 - Feb 2025
Supervisor: Jisu Kim   Rostock, DE

- Department of Digital and Computational Demography,
  Laboratory of Migration and Mobility

- 2024 Cohort of Korea-Germany Junior Research Fellowship Program

- Provided the Lab Talk on Feb 19, 2025

Internship, Graduate School of Data Science, Seoul National University   Dec 2023 - Feb 2024
Supervisor: Sanghack Lee   Seoul, KR

- Participant of the Google ExploreCSR Program

- Studied causal inference in the Causality Lab

RESEARCH

1. **J. Kwak**, B. Kang, SI. Lee, Effects of the MAUP on Regression Analysis Under Different Levels of Spatial Autocorrelation and Cross Correlation, 2025. (working paper)

2. **J. Kwak**, J. Kim, E. Kotov, T. Theile. Analyzing Country-Level Heterogeneity in Public Attitudes Toward Migration Topics on Bluesky. *11th International Conference of Computational Social Science*, 2025. (Accepted for Poster Presentation)

3. **J. Kwak**. Analyzing the Spatial Heterogeneity of Fertility Determinants Using Similarity Geographically Weighted Regression (SGWR). 2025. (working paper)

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

   - Published as the best student project from the course *Computer Cartography*

SKILLS

Programming Languages and Frameworks
R, Python, LaTeX, Excel, ArcGIS

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

AWARDS AND SCHOLARSHIPS

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-Spring, 2023-Fall
Yook Jisu, Lee Kwanghee Scholarship for Geography Student Department of Geography, Seoul National University	2020-Fall
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