Pyung Kim

Ph.D. Candidate
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EDUCATION

Ph.D. in Public Policy and Political Economy, University of Texas at Dallas	present

- Admission with the highest honor of the doctoral program (Brian J.L. Berry Scholarship)
- Specialization: Social and Health Policy
- Dissertation: Essays on the Geography of Disability Inclusion (expected graduation: May 2026)

M.S. in Geospatial Information Sciences (GIS), University of Texas at Dallas	present
M.A. in Public Administration, Yonsei University, South Korea	2020
B.A. in Public Administration, Ajou University, South Korea (Honors: summa cum laude)	2018
Exchange student, Universität of Würzburg, Germany	2016 – 2017

PROFESSIONAL AFFILIATIONS

Geospatial Health Research Group, UT Dallas *Graduate Researcher*	2024 – present
Korea Social Science Data Archive, Seoul National University *Lecturer / Teaching Assistant (Summer & Winter Programs in Quantitative Methods)*	2022 – 2024
Korea Institute of Public Administration, a research organization under the Prime Minister's Office *Research Assistant*	2020

HONORS, AWARDS, & FELLOWSHIPS

Research Award, *Social Security Administration's Retirement and Disability Research Consortium*	2024
Junior Scholar Intensive Training, *Retirement and Disability Research Center at UW–Madison*	2024
President Travel Award for APPAM, *Korean Association for Policy Studies*	2023
PPPE Graduate Student Travel Grant, *UT Dallas*	2023
Keith Lankford Taylor Fellowship, *UT Dallas*	2023
Brian J.L. Berry Scholarship, the highest honor of the program, *UT Dallas*	2021 –2026
UTD Graduate Studies Scholarship, *UT Dallas*	2021 –2026
Brain Korea 21 PLUS Scholarship, *National Research Foundation of Korea*	2018 –2020
YUPA Graduate Studies Scholarship, *Yonsei University*	2018 –2020
AJOU-IN Award (summa cum laude), *Ajou University*	2018
The Next Century Humanities Scholarship, *Korea Ministry of Education*	2015 –2018
Teaching Assistantship for Undergraduate Student, *Ajou University*	2014 –2018

Excellence in Undergraduate Research Project, *Ajou University*	2015
Dean's list (GPA: 4.5/4.5), *Ajou University*	2015
Merit-based Full Tuition Scholarship, *Ajou University*	2014
Dean's list (GPA: 4.5/4.5), *Ajou University*	2014

PEER-REVIEWED PUBLICATIONS

[*] Corresponding author, [†] Student co-author

Original Research

[3] Hong, S.[†*], Jeong, D.[†], & **Kim, P.** (2024). Have offender demographics changed since the COVID-19 Pandemic? Evidence from money mules in South Korea. *Journal of Criminal Justice*, 91, 102156. **(IF=5.5, 93.6% in Criminology & Penology)**
- Research Topic: Examining the impact of the COVID-19 pandemic on crime
- Design / Method: Interrupted time series analysis

[2] Maxwell, S. P.[*], Brooks, C., **Kim, P.**, Kim, D., McNeely, C. L., & Thomas, K. (2023). Understanding habitats and environmental conditions of white-tailed deer population density and public health data to aid in assessing human tick-borne disease risk. *Microorganisms*, 11(4), 865. (IF=4.5)
- Research Topic: Investigating the environmental factors of tick-borne disease
- Design / Method: Geographical mapping

[1] **Kim, P.** & Bae, H.[*] (2022). Do firms respond differently to the carbon pricing by industrial sector? How and why? A comparison between manufacturing and electricity generation sectors using firm-level panel data in Korea". *Energy Policy*, 162, 112773. **(IF=9.0, 98.0% in Economics)**
- Research Topic: Estimating the effect of cap-and-trade policy on firm-level carbon emissions
- Design / Method: Two-way fixed effects model

Brief Report

[1] **Kim, P.,** Maxwell, S. P.[*], Parijat, N.[†], Kim, D., & McNeely, C. L. (2024). Targeted Tick-Borne Disease Recognition: Assessing Risk for Improved Public Health. *Healthcare*. 12(10), 984. (IF=2.4)

UNDER REVIEW

[2] **Kim, P.**[*], D. Kim, R. Scotch, D. Jeong[†], & K. Kowalske. "Geospatial Analysis of Community-Level Social and Environmental Barriers for Adult Burn Injury Survivors in North Texas"
- Research Topic: Investigating the geospatial factors of burn injury survivors' community inclusion
- Design / Method: Geographical mapping

[1] **Kim, P.,** Jung, J.[†], Min, C., Choi, H., Kim., D, Kumar, P.[†], Hwang, J., & Song, D[*]. "Personalized Self-Management Behavior Intervention for PM-related Asthma Exacerbation Using Deep Learning"
- Research Topic: Predicting individual asthma risk and implementing the personalized intervention
- Design / Method: Deep learning model (1D-CNN-LSTM)

WORKING PAPERS

[4] "What Is the Relationship Between Adolescent Neighborhood Environments and Long-Run Labor Market Outcomes for Children with Disabilities?"

[3] "Geospatial Analysis on Dental Health Service Access and Workforce Distribution in Kenya" (with Brenda Okumu, Caroline Kibosia, Dohyung Kim, Arthur Kemoli, Linus Ndegwa, Osman Adullahi, & Hyewon Lee)

[2] "Spatial Relationship Between Radon Exposure and Lung Cancer Incidence" (with Kristine Hahm)

[1] "Bayesian Spatial-Temporal Modeling with Big Data: An Application to Evaluating Social Distancing Policies Using Google Mobility Data" (with Dohyeong Kim)

FUNDED PROJECTS

Ongoing

[2] "What Is the Relationship Between Adolescent Neighborhood Environments and Long-Run Labor Market Outcomes for Children with Disabilities?" (*$6,000; 2024 – 2025*)
- *Funded by the Social Security Administration (SSA)'s Retirement and Disability Research Consortium*
- *PI: **Pyung Kim***

[1] "Geospatial Community Mapping to Assess Social and Environmental Barriers and Facilitators for Burn Survivors" (*$2,320,495 with UT Southwestern Medical Center; 2022 – 2027*)
- *Funded by the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)*
- *PI: Karen Kowalske, UTSW and Dohyeong Kim, UTD; co-PI: Richard Scotch, UTD*
- *Role: Research assistant (research design, data analysis, GIS mapping, and writing)*

Completed

[5] "Spatial Distribution of Natural Radiation in Jeonbuk Province" (*$160,000; 2023 – 2024*)
- *Funded by the National Institute of Environmental Research of Korea*
- *PI: Yeol Rho, Chonnam National Univ.; co-PI: Dohyeong Kim, UTD*
- *Role: Research assistant (research design, data analysis, GIS mapping, and writing)*

[4] "A Study on International Standards of Software Safety Assessment and Legal Arrangement of Domestic and Foreign Countries" (2020)
- *Funded by the Korea Software Policy & Research Institute*
- *PI: Hyunsuk Ryu, Korea Institute of Public Administration*
- *Role: Research assistant (data collection and interview)*

[3] "An Analysis of the Local Government Social Welfare Budget" (2018)
- *Funded by the Korea Ministry of Health and Welfare*
- *PI: Jaejin Yang, Yonsei University*
- *Role: Research assistant (data collection)*

[2] "Analysis of national distrust structure of nuclear safety regulations and development of risk communication strategies for recovering trust" (2015 – 2016)
- *Funded by the Korea Foundation of Nuclear Safety*
- *PI: Seoyong Kim, Ajou University*
- *Role: Research assistant (data analysis)*

[1] "Track and analyze the performance of technological development project for original research" (2015)
- *Funded by the National Research Foundation of Korea*
- *PI: Seoyong Kim, Ajou University*
- *Role: Research assistant (data collection)*

DATA PROPOSAL

[2] "The Impacts of School Neighborhoods on the Academic and Labor Market Outcomes of Students with Disabilities" *(status: approved)*
- *Student-level longitudinal data (1999 – 2023), approved by the Texas Higher Education Coordinating Board*
- *PI: **Pyung Kim***

[1] "Geospatial Community Mapping to Assess Social and Environmental Barriers and Facilitators for Burn Survivors" *(status: approved)*
- *Patient-level longitudinal data (1994 – 2022), approved by the NIDILRR*
- *PI: Karen Kowalske, UT Southwestern Medical Center; co-PI: Dohyeong Kim and Richard Scotch, UTD*

CONFERENCE PRESENTATIONS

[5] "What Is the Relationship Between Neighborhood Environments and Long-Term Labor Market Outcomes for Children with Disabilities?" (Planned)
- *Association for Public Policy Analysis and Management (APPAM), Nov 2024, Washington, DC*

[4] "The Geography of Disability Inclusion: Geospatial Barriers and Facilitators to Community Integration of Burn Injury Survivors in the United States" (Planned)
- *American Congress of Rehabilitation Medicine (ACRM), Nov 2024, Dallas, TX*

[3] "How Do US States Address Artificial Intelligence? Insights from State AI Bills"
- *American Society for Public Administration (ASPA), Apr 2024, Minneapolis, MN*

[2] "Burn Injury Survivors as Overlooked Health Disparity: Assessing Spatial Factors for Burn Injury Survivors' Community Reintegration in Texas"
- *American Public Health Association (APHA), Nov 2023, Atlanta, GA*

[1] "From Stick to Carrot: The Effects of Carbon Pricing Policy on Firm Environmental Performance in Korea"
- *Association for Public Policy Analysis and Management (APPAM), Nov 2023, Atlanta, GA*

INVITED TALK

"Introductory Calculus for Statistics", a doctoral statistics course (EPPS 7313) at UT Dallas, Sep 2023

TEACHING

[Lecturer]

Methods of Quantitative Analysis in the Social and Policy Sciences
- *UT Dallas (undergraduate, Spring 2025 – Planned)*

Advanced GIS and Spatial Statistics
- *Korea Social Science Data Archive (graduate, Summer 2023)*
- *Rating: 9.84/10*

Introductory GIS and Spatial Statistics
- *Korea Social Science Data Archive (graduate, Summer 2023)*
- *Rating: 9.54/10*

[Teaching Assistant]
UT Dallas
- Civil Liberties *(undergraduate, Fall 2024)*
- Economics for Public Policy *(graduate, Spring 2024)*
- Descriptive and Inferential Statistics *(graduate, Fall 2023)*
- Methods of Quantitative Analysis in the Social and Policy Sciences *(graduate, Spring 2023; Fall 2022)*
- American National Government *(undergraduate, Spring 2022; Fall 2021)*

Korea Social Science Data Archive
- Big Data Analysis and Machine Learning for Social Science *(graduate, Winter 2023 – 2024)*
- Introductory and Advanced GIS and Spatial Statistics *(graduate, Summer 2022)*

Yonsei University, South Korea
- Quantitative Policy Analysis *(undergraduate, Fall 2019)*
- Forecasting Methods and Applications *(graduate, Spring 2018)*

Ajou University, South Korea
- Introduction to Korean Government *(undergraduate, Fall 2017)*
- Research Methods in Public Administration *(undergraduate, Spring 2016)*

DATA ANALYTICS TOOLS

Statistical analysis (R, STATA, SPSS)
Geospatial analysis (R, Arc GIS, Quantum GIS, Geo Da, Tableau)

PROFESSIONAL AFFILIATIONS

Association for Public Policy Analysis and Management (APPAM)	2023 – present
American Society for Public Administration (ASPA)	2023 – present
American Public Health Association (APHA)	2023 – 2024
American Congress of Rehabilitation Medicine (ACRM)	2024

SERVICE

Korean Student Association (Secretary)	2023 – 2024
• *UT Dallas*	
Graduate Student Assembly (Vice President)	2018 –2019
• *Department of Public Administration, Yonsei University*	
Student Ambassador	2014 –2015
• *Office of Admission, Ajou University*	