

Pyung Kim

Ph.D. Candidate
School of Economic, Political and Policy Sciences
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EDUCATION

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|---|-------------|
| Ph.D. in Public Policy and Political Economy, University of Texas at Dallas | Current |
| <ul style="list-style-type: none"> Admission with the highest honor of the doctoral program (Brian J.L. Berry Scholarship) Specialization: Social and Health Policy (expected graduation: May 2026) | |
| M.S. in Geospatial Information Sciences (GIS) | Current |
| M.A. in Public Administration, Yonsei University, South Korea | 2020 |
| B.A. in Public Administration, Ajou University, South Korea (Honors: <i>summa cum laude</i>) | 2018 |
| Exchange student, Julius-Maximilians Universität of Würzburg, Germany | 2016 – 2017 |

PROFESSIONAL EXPERIENCE

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| Korea Social Science Data Archive at Seoul National University <i>Lecturer; Teaching Assistant (Summer & Winter Program in Quantitative Methods)</i> | 2022 – 2024 |
| Korea Institute of Public Administration, a think tank under the Prime Minister's Office <i>Research Assistant</i> | 2020 |

HONORS, AWARDS, & FELLOWSHIPS

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| President Travel Award for APPAM, The Korean Association for Policy Studies | 2023 |
| PPPE Graduate Student Travel Grant, UT Dallas (\$2,000) | 2023 |
| Keith Lankford Taylor Fellowship, UT Dallas (\$1,000) | 2023 |
| Brian J.L. Berry Scholarship, the highest honor of the program, UT Dallas (\$30,000) | 2021 – 2026 |
| UTD Graduate Studies Scholarship, UT Dallas (\$97,200) | 2021 – 2026 |
| Brain Korea 21 PLUS Scholarship, National Research Foundation of Korea (\$12,000) | 2018 – 2020 |
| YUPA Graduate Studies Scholarship, Yonsei University (\$6,000) | 2018 – 2020 |
| AJOU-IN Award (<i>summa cum laude</i>), Ajou University | 2018 |
| The Next Century Humanities Scholarship, Korea Ministry of Education (\$33,000) | 2015 – 2018 |
| Teaching Assistantship for Undergraduate Student, Ajou University (\$6,500) | 2014 – 2018 |
| Excellence in Undergraduate Research Project, Ajou University (\$300) | 2015 |
| Dean's list, Ajou University | 2015 |
| Merit Scholarship, Ajou University (\$3,000) | 2014 |
| Dean's list, Ajou University | 2014 |

RESEARCH INTERESTS

- Environment, health, and disability
- Causal inference and program evaluation
- Spatial analysis and machine learning

PEER-REVIEWED PUBLICATIONS

- [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. <https://doi.org/10.1016/j.jcrimjus.2024.102156>. (IF=5.5, 95.18% in Criminology & Penology)
- Research Topic: Investigating 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. <https://doi.org/10.3390/microorganisms11040865>. (IF=4.5, 65.6% in Microbiology)
- 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. <https://doi.org/10.1016/j.enpol.2021.112773>. (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

In Korean

- [2] Han, M., & **Kim, P.** (2022). Analysis of factors affecting corporate participation in Carbon Disclosure Project (CDP): Organizational Institutionalism perspective. *GRI Review*, 24(1), 181-209.
- [1] **Kim, P.**, & Kim, S. (2017). Analyzing the Opposition to Nuclear Power Energy on the Internet: Focusing on the Moderating Effect of Policy Efficacy. *Crisisonomy*, 13(3), 1-15. (Undergraduate Student)

UNDER REVIEW

- [2] **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 personalized asthma risk and intervention
 - Design / Method: Deep learning model (1D-CNN-LSTM)
- [1] **Kim, P.**, Maxwell, S. P., Parijat, N., Kim, D., & McNeely, C. L., "Targeted Tick-Borne Disease Recognition: Assessing Risk for Improved and Equitable Public Health"
- Research Topic: Investigating the occupational and environmental factors of tick-borne disease
 - Design / Method: Geographical mapping

WORK IN PROGRESS

- [4] “The Effect of Emission Trading Scheme on Carbon Reduction: A Synthetic Control Approach” (with Misun Jun)
- [3] “How Do US States Address Artificial Intelligence? Insights from State AI Bills” (with Hanvit Kim)
- [2] “A Bayesian Spatial-Temporal Model Using Google Mobility Data: Application to Evaluation of the Impact of Social Distancing Policies”
- [1] “Geography of Disability Inclusion: Barriers and Facilitators to Community Integration of Burn Injury Survivors in Texas” (with Karen Kowalske, Dohyeong Kim, Richard Scotch, Doh Jeong, Kyra Solis, and Nabeeha Hassan)

FUNDED PROJECTS

- [7] “Geospatial Community Mapping to Assess Social and Environmental Barriers and Facilitators for Burn Survivors” (\$483,532; 2022 – 2027)
 - *Role: Research assistant (research design, data analysis, GIS mapping, and writing)*
 - *Funded by the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)*
 - *Karen Kowalske (PI at UTSW Medical Center), Dohyeong Kim (PI at UTD), Richard Scotch (co-PI at UTD)*
- [6] “Spatial Distribution of Natural Radiation in Jeonbuk Province” (\$160,000; 2023 – 2024)
 - *Role: Research assistant (research design, data analysis, and GIS mapping)*
 - *Funded by the National Institute of Environmental Research of Korea*
 - *Yeol Rho (PI at Chonnam National Univ.), and Dohyeong Kim (co-PI at UTD)*
- [5] “A Study on International Standards of Software Safety Assessment and Legal Arrangement of Domestic and Foreign Countries” (2020)
 - *Role: Research assistant (data collection and interview)*
 - *Funded by Software Policy & Research Institute in Korea*
 - *Hyunsuk Lee (PI at Korea Institute of Public Administration)*
- [4] “An Analysis of the Local Government Social Welfare Budget” (2018)
 - *Role: Research assistant (data collection and cleaning)*
 - *Funded by Korea Ministry of Health and Welfare*
 - *Jaejin Yang (PI at Yonsei University)*
- [3] “Analysis of national distrust structure of nuclear safety regulations and development of risk communication strategies for recovering trust” (2016)
 - *Role: Research assistant (data collection and analysis)*
 - *Funded by Korea Foundation of Nuclear Safety*
 - *Seoyong Kim (PI at Ajou University)*
- [2] “Track and analyze the performance of technological development project for original research” (2015)
 - *Role: Research assistant (data collection and cleaning)*
 - *Funded by the National Research Foundation of Korea*
 - *Seoyong Kim (PI at Ajou University)*

[1] “Analysis of national distrust structure of nuclear safety regulations and development of risk communication strategies for recovering trust” (2015)

- *Role: Research assistant (data collection and analysis)*
- *Funded by Korea Foundation of Nuclear Safety*
- *Seoyong Kim (PI at Ajou University)*

CONFERENCE PRESENTATIONS

[6] “How Do US States Address Artificial Intelligence? Insights from State AI Bills”

- *American Society for Public Administration (ASPA), Apr 2024, Minneapolis, MN (planned)*

[5] “Geography of Disability Inclusion: Barriers and Facilitators to Community Integration of Burn Injury Survivors in North Texas”

- *American Society for Public Administration (ASPA), Apr 2024, Minneapolis, MN (planned)*

[4] “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*

[3] “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*

[2] “Why Companies Voluntarily Disclose Environmental Information?”

- *Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA), Jul 2021 (online)*

[1] Who Are the Active Netizens? Focusing on The Role of the Policy Efficacy

- *International Conference on Information and Social Science, 24 – 26 June 2016, Sapporo, Japan*

TEACHING

[Lecturer]

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]

Economics for Public Policy

- *UT Dallas (graduate, Spring 2024)*

Big Data Analysis and Machine Learning for Social Science

- *Korea Social Science Data Archive (graduate, Winter 2024)*

Descriptive and Inferential Statistics

- *UT Dallas (graduate, Fall 2023)*

Methods of Quantitative Analysis in the Social and Policy Sciences

- *UT Dallas (graduate, Spring 2023; Fall 2022)*

GIS and Spatial Statistics

- *Korea Social Science Data Archive (graduate, Summer 2022)*

American National Government

- *UT Dallas (undergraduate, Spring 2022; Fall 2021)*

Quantitative Policy Analysis

- *Yonsei University (undergraduate, Fall 2019)*

Forecasting Methods and Applications

- *Yonsei University (graduate, Spring 2018)*

Introduction to Korean Government

- *Ajou University (undergraduate, Fall 2017)*

Research Methods in Public Administration

- *Ajou University (undergraduate, Spring 2016)*

DATA ANALYTICS TOOLS

Statistical analysis (R, STATA, SPSS)

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

PROFESSIONAL AFFILIATIONS

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

SERVICE

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| Korean Student Association (Secretary) | Sep 2023 – Aug 2024 |
| • <i>UT Dallas</i> | |
| Graduate Student Assembly (Vice President) | Sep 2018 – Feb 2019 |
| • <i>Department of Public Administration, Yonsei University</i> | |
| Student Ambassador | Mar 2014 – Feb 2015 |
| • <i>Office of Admission, Ajou University</i> | |