

## Pyung Kim

Ph.D. Candidate

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### EDUCATION

Ph.D. in Public Policy and Political Economy, University of Texas at Dallas	present
<ul style="list-style-type: none"> <li>Admission with the highest honor of the doctoral program (Brian J.L. Berry Scholarship)</li> <li>Specialization: Social and Health Policy</li> </ul>	
M.S. in Geospatial Information Sciences (GIS), University of Texas at Dallas	present
M.A. in Public Administration, Yonsei University, South Korea	2020
<ul style="list-style-type: none"> <li>Brain Korea 21 PLUS Scholarship funded by the National Research Foundation of Korea</li> <li>Thesis: <i>The Effect of Carbon Pricing: Evidence from the Korean Emission Trading Scheme</i></li> </ul>	
B.A. in Public Administration, Ajou University, South Korea	2018
<ul style="list-style-type: none"> <li>The Next Century Humanities Scholarship funded by the Korea Ministry of Education</li> <li>Honors: <i>summa cum laude</i></li> </ul>	
Exchange student, Universität of Würzburg, Germany	2016 – 2017

### PROFESSIONAL RESPONSIBILITIES

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

### AWARDS AND HONORS

#### [External Awards]

JSIT Research Award, <i>Social Security Administration via University of Wisconsin Madison</i> , \$6,000	2024
Junior Scholar Intensive Training (JSIT), <i>Retirement and Disability Research Center at UW–Madison</i>	2024
President Travel Award for APPAM, <i>Korean Association for Policy Studies</i>	2023
Brain Korea 21 PLUS Scholarship, <i>National Research Foundation of Korea</i> , \$12,000	2018 – 2020
The Next Century Humanities Scholarship, <i>Korea Ministry of Education</i> , \$33,000	2015 – 2018

#### [Internal Awards]

PPPE Graduate Student Travel Grant, <i>UT Dallas</i>	2023 – 2024
Keith Lankford Taylor Fellowship, <i>UT Dallas</i>	2023
Brian J.L. Berry Scholarship, the highest honor of the program, <i>UT Dallas</i>	2021 – 2026

UT Dallas Graduate Studies Scholarship, <i>UT Dallas</i>	2021 –2026
YUPA Graduate Studies Scholarship, <i>Yonsei University</i>	2018 –2020
AJOU-IN Award ( <i>summa cum laude</i> ), <i>Ajou University</i>	2018
Teaching Assistantship for Undergraduate Student, <i>Ajou University</i>	2014 –2018
Excellence in Undergraduate Research Project, <i>Ajou University</i>	2015
Dean's list (GPA: 4.5/4.5), <i>Ajou University</i>	2015
Merit-based Full Tuition Scholarship, <i>Ajou University</i>	2014
Dean's list (GPA: 4.5/4.5), <i>Ajou University</i>	2014

## PUBLICATIONS

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\* Corresponding author, † Student co-author

### [Peer-Reviewed Publications]

3. Hong, S.†\*, Jeong, D.†, & **Kim, P.** “Have offender demographics changed since the COVID-19 Pandemic? Evidence from money mules in South Korea.” *Journal of Criminal Justice*, 91 (2024): 102156. (IF=5.5, **93.6% in Criminology & Penology**)
2. Maxwell, S. P.\*, Brooks, C., **Kim, P.**, Kim, D., McNeely, C. L., & Thomas, K. “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, no. 4 (2023): 865. (IF=4.5)
1. **Kim, P.** & Bae, H.\* “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 (2022): 112773. (IF=9.0, **98.0% in Economics**)

### [Brief Report]

1. **Kim, P.**, Maxwell, S. P.\*, Parijat, N.†, Kim, D., & McNeely, C. L. “Targeted Tick-Borne Disease Recognition: Assessing Risk for Improved Public Health.” *Healthcare*. 12, no. 10 (2024): 984.

## UNDER REVIEW

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- 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”
- 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”

## WORKING PAPERS

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- “What Is the Relationship Between Adolescent Neighborhood Environments and Long-Run Labor Market Outcomes for Children with Disabilities?”
- “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)
- “Spatial Relationship Between Radon Exposure and Lung Cancer Incidence” (with Kristine Hahm)
- “Bayesian Spatial-Temporal Modeling with Big Data: An Application to Evaluating Social Distancing Policies Using Google Mobility Data” (with Dohyeong Kim)

## FUNDED PROJECTS

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### [Ongoing]

3. "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 (via University of Wisconsin Madison)*
  - *PI: Pyung Kim*
2. "The Capacity-Building Project for Primary Healthcare Workforce to Improve Maternal and Child Oral Health in Kilifi County, Kenya" (\$5,000; 2024 – 2025)
  - *Funded by the Korea International Cooperation Agency*
  - *PI: Hyewon Lee, Seoul National University*
  - *Role: GIS specialist (field data collection)*
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 ACCESS PROPOSAL

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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*

## PRESENTATIONS

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### [Conference]

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

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

## TEACHING

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### [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**


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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**


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APPAM Korean Association (Communication Manager), <i>Korean Association for Policy Studies</i>	2023 – present
Korean Student Association (Secretary), <i>UT Dallas</i>	2023 – 2024
Graduate Student Assembly in Public Administration (Vice President), <i>Yonsei University</i>	2018 – 2019
Student Ambassador, <i>Ajou University</i>	2014 – 2015