

## Pyung Kim

Ph.D. Candidate

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### EDUCATION

Ph.D. in Public Policy and Political Economy, University of Texas at Dallas	2026 (expected)
<ul style="list-style-type: none"> <li>Admission with the highest honor of the doctoral program (<b>Brian J.L. Berry Scholarship</b>)</li> <li>Specialization (1<sup>st</sup>): Social and Health Policy / Specialization (2<sup>nd</sup>): Sustainability</li> <li>Dissertation: <i>The Long-Term Impacts of Neighborhoods on Labor Market Outcomes for Children with Disabilities: Evidence from Texas</i></li> </ul>	
M.S. in Geospatial Information Sciences (GIS), University of Texas at Dallas	2025 (expected)
M.A. in Public Administration, Yonsei University, South Korea	2020
<ul style="list-style-type: none"> <li><b>Brain Korea 21 PLUS Scholarship</b>, National Research Foundation of Korea</li> <li>Thesis: <i>The Effect of Carbon Pricing: Evidence from the Korean Emissions Trading Scheme</i></li> </ul>	
B.A. in Public Administration, Ajou University, South Korea	2018
<ul style="list-style-type: none"> <li><b>The Next Century Humanities Scholarship</b>, 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 (Korea's Equivalent to ICPSR), Seoul National University <i>Lecturer / Teaching Assistant (Summer &amp; Winter Programs in Quantitative Methods)</i>	2022 – 2025
Korea Institute of Public Administration, a research organization under the Prime Minister's Office <i>Research Assistant</i>	2020

### AWARDS AND HONORS

#### [External Awards]

<a href="#">Public Administration Research Conference (PARC) Travel Award</a> , University of Central Florida	2025
<a href="#">JSIT Research Award</a> , UW-Madison Retirement and Disability Research Center, \$6,000	2024
<a href="#">Junior Scholar Intensive Training (JSIT)</a> , UW-Madison Retirement and Disability Research Center	2024
President Travel Award for APPAM, Korean Association for Policy Studies	2023
Brain Korea 21 PLUS Scholarship, National Research Foundation of Korea, \$12,000	2018 – 2020
The Next Century Humanities Scholarship, Korea Ministry of Education, \$33,000	2015 – 2018

**[Internal Awards]**

PPPE Graduate Student Travel Grant, <i>UT Dallas</i> , \$4,000	2023 – 2024
Keith Lankford Taylor Fellowship, <i>UT Dallas</i> , \$1,000	2023
<a href="#">Brian J.L. Berry Scholarship</a> , the highest honor of the program, <i>UT Dallas</i> , \$30,000	2021 – 2026
UT Dallas Graduate Studies Scholarship, <i>UT Dallas</i> , \$97,200	2021 – 2026
YUPA Graduate Studies Scholarship, <i>Yonsei University</i> , \$6,000	2018 – 2020
<a href="#">AJOU-IN Award</a> ( <i>summa cum laude</i> ), <i>Ajou University</i>	2018
Research / Teaching Assistantship for Undergraduate Student, <i>Ajou University</i> , \$6,500	2015 – 2018
Excellence in Undergraduate Research Project, <i>Ajou University</i> , \$200	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.<sup>†</sup>, Jeong, D.<sup>†</sup>, & **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=3.3, **94.2% in Criminology & Penology**)
2. Maxwell, S. P.<sup>\*</sup>, 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=4.1, 69.9% in Microbiology)
1. **Kim, P.** & Bae, H.<sup>\*</sup> “[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=9.3, **98.9% in Economics**)

**[In Korean]**

1. **Kim, P.** & Kim, S.<sup>\*</sup> “Analyzing the Opposition to Nuclear Power Energy on the Internet-Focusing on the Moderating Effect of Policy Efficacy.” *Crisisonomy*. 13, no. 3 (2017): 1.

**UNDER REVIEW**

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- Kim, P.** “From Stick to Carrot: Comparing the Effectiveness of Carbon Pricing on Firm Environmental Performance with Command-and-Control” (status: under review)
- Kim, P.**<sup>\*</sup>, D. Kim, R. Scotch, D. Jeong<sup>†</sup>, & K. Kowalske. “Geospatial Analysis of Community-Level Social and Environmental Barriers for Adult Burn Injury Survivors in North Texas” (status: R&R)
- Kim, P.**, Jung, J.<sup>†</sup>, Min, C., Choi, H., Kim., D, Kumar, P.<sup>†</sup>, Hwang, J., & Song, D.<sup>\*</sup>. “A Pilot Comparative Study on Personal Monitoring and Deep Learning-Based Mobile Alert Intervention for PM2.5-Related Asthma Exacerbations in Children” (status: under review)

## WORKING PAPERS

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- “What Is the Relationship Between Adolescent Neighborhood Environments and Long-Run Labor Market Outcomes for Children with Disabilities?” (sole author)
- “Geospatial Analysis on Dental Health Service Access and Workforce Distribution in Kenya” (with Brenda Okumu, Caroline Kibosia, Dohyeong Kim, Arthur Kemoli, Linus Ndegwa, Osman Adullahi, & Hyewon Lee)
- “Enhancing the Spatial Interpolation of Radon Risk Using Empirical Bayesian Kriging and Bedrock Geology” (with Kristine Hahm & Dohyeong Kim)
- “Bayesian Spatial-Temporal Analysis for Policy Evaluation: Estimating the Impact of Social Distancing Policies Using Big Data from Google” (with Sunghye Choi & Dohyeong Kim)

## FUNDED PROJECTS / GRANTS

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### [Ongoing]

4. “The Capacity-Building Project for Primary Healthcare Workforce to Improve Maternal and Child Oral Health in Kilifi County, Kenya” (\$5,000; 2025 – 2026)
  - *Funded by the Korea International Cooperation Agency (KOICA)*
  - *PI: Hyewon Lee, Seoul National University*
  - *Role: GIS specialist (field study in Kenya, August 2025, planned)*
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 University of Wisconsin-Madison Retirement and Disability Research Center (UW RDRC)*
  - *PI: Pyung Kim*
2. “Spatial Distribution of Natural Radiation in Jeonnam Province” (\$160,000; 2024 – 2025)
  - *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)*
1. “[Geospatial Community Mapping to Assess Social and Environmental Barriers and Facilitators for Burn Survivors](#)” (\$2,320,495 with UT Southwestern Medical Center; 2022 – 2026)
  - *Funded by the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)*
  - *PI: Karen Kowalske, UTSW & 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: Jaemin 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 by the Texas Higher Education Coordinating Board in 2024*)
  - *Student-level longitudinal data (1999 – 2023,  $N \geq 5,000,000$ )*
  - *PI: Pyung Kim*
1. “Geospatial Community Mapping to Assess Social and Environmental Barriers and Facilitators for Burn Survivors” (*status: approved by the NIDILRR in 2022*)
  - *Patient-level longitudinal data (1994 – 2022,  $N \geq 25,000$ )*
  - *PI: Karen Kowalske, UT Southwestern Medical Center; co-PI: Dohyeong Kim and Richard Scotch, UTD*

## TEACHING

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### [Lecturer]

Big Data and Machine Learning for Social Science (with R)

- *Korea Social Science Data Archive (graduate, online, Winter 2025-2026, planned)*

Methods of Quantitative Analysis in Social and Policy Sciences

- *UT Dallas (undergraduate, in person, Fall 2025, planned)*

GIS and Spatial Statistics (with Q GIS and R)

- *Korea Social Science Data Archive (graduate, online, Summer 2025, planned)*

Advanced GIS and Spatial Statistics (with Q GIS and R)

- *Korea Social Science Data Archive (graduate, online, Summer 2023)*
- *Rating: 9.84/10*

Introductory GIS and Spatial Statistics (with Q GIS and R)

- *Korea Social Science Data Archive (graduate, online, Summer 2023)*
- *Rating: 9.54/10*

### [Course Development]

Deep Learning for Social Science (with R)

- *Korea Social Science Data Archive (graduate, online, Winter 2025-2026, planned)*
- *Supervisor: Dohyeong Kim*

**[Guest Lecture]**

- Analysis of Variance, undergraduate statistics course (EPPS 2302), *UT Dallas*, April 2025 (planned)
- Probability Distributions, undergraduate statistics course (EPPS 2302), *UT Dallas*, Feb 2025
- Introductory Calculus for Statistics, graduate statistics course (EPPS 7313), *UT Dallas*, Sep 2023

**[Teaching Assistant]**

UT Dallas

- Methods of Quantitative Analysis in the Social and Policy Sciences (undergraduate, Spring 2025)
- 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 (undergraduate, Fall 2022; Spring 2023)
- American National Government (undergraduate, Spring 2022; Fall 2021)

Korea Social Science Data Archive

- Big Data and Machine Learning for Social Science (graduate, Winter 2023-2024; Winter 2024-2025)
- 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)

**CONFERENCE PRESENTATIONS**


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\* APPAM (Association for Public Policy Analysis and Management); APHA (American Public Health Association); ASPA (American Society for Public Administration); ACRM (American Congress of Rehabilitation Medicine); ACJS (Academy of Criminal Justice Sciences); PARC (Public Administration Research Conference); SER (Society for Epidemiologic Research)

**2025** PARC, ACJS, SER (planned), APHA (submitted), APPAM (submitted)

**2024** ACRM, APPAM, ASPA

**2023** APHA, APPAM, ASPA

**PROFESSIONAL SKILLS**


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Statistical analysis (R, STATA, SPSS)

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

Machine learning (R)

**SERVICE**


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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