

Minhyuk Nam

Tepper Quad 4218A, 4765 Forbes Ave, Pittsburgh, PA 15213

minhyukn@andrew.cmu.edu – minhyuknam.com

Education

Carnegie Mellon University *2022 – present*

Ph.D. Candidate in Economics

Dissertation: “Dynamic Market Design in Environmental and Energy Economics”

Committee: Robert A. Miller (Chair), Ali Shourideh, Akshaya Jha, Nicholas Z. Muller, Karen Clay

Carnegie Mellon University *2024*

M.S. in Economics

Sogang University (Seoul, South Korea) *2022*

B.A. in Economics; B.Eng. in Computer Science; B.S. in Mathematics, *Magna Cum Laude*

Exchange Program: Lancaster University, 2017

Mandatory Military Active Duty: Republic of Korea Air Force, 2018–2020

Research Interests

Environmental Economics, Industrial Organization

Working Papers

- (i) **Financial Intermediation in the European Emissions Market: An Empirical Analysis**
with Robert A. Miller

- (ii) **Optimal Climate Treaties as Delegation with Externalities: the Case of Dynamic Carbon Production**
with Ali Shourideh

- (iii) **Group Composition and Group Decision-Making: Evidence from Municipal Council Meetings in South Korea**
with Jay Euijung Lee and Martina Zanella

- (iv) **Compensating Flexibility: How Capacity Markets Distort Battery Storage Dispatch**

Publications

1. **The Effects of Indoor Temperature and Humidity on Local Transmission of COVID-19 and How It Relates to Global Trends**
with Han June Park, Sung-Gwang Lee, Jeong Suk Oh, Steven Barrett, Soohyung Lee, and Wontae Hwang
PLoS ONE, 2022.

2. **COVID-19 and Job Market: Trends and Comparison with the 2008 Financial Crisis in South Korea**
with Soohyung Lee
Seoul Journal of Economics, 2021.

3. **Does Ramadan Harm Infant Health? Evidence from Ethiopia**

with Soohyung Lee, Daeun Jeong, and Wonmoon Lee
International Economic Journal, 2020.

4. **Impact of the Clean Air Act on Air Pollution and Infant Health: Evidence from South Korea**

with Soohyung Lee and Heesun Yoo
Economics Letters, 2018.

Research Experience

London School of Economics, Research Assistant 2020–2021
Project: Gender Ratios and Group Interaction: Evidence from Local Parliamentary Meetings in South Korea

Seoul National University, Research Assistant for Professor Soohyung Lee 2016–2022

World Bank, Local Short Term Consultant (Data Analyst) 2016
Project: Bilateral Arrangement of Temporary Labor Migration – Lessons from Korea

Teaching Experience

Carnegie Mellon University, Teaching Assistant 2024–present
Ph.D.: Econometrics II, Econometrics III, Advanced Econometrics
MBA: Managerial Economics, Statistical Decision Making
Undergraduate: Principles of Macroeconomics, Environmental Economics,
Regression Analysis, Probability and Statistics for Business Applications

Sogang University, Teaching Assistant 2018–2022
Undergraduate: Urban Economics, Python Programming

Professional Activities

Presentations and Seminars (including scheduled)

2025 Econometric Society Summer Schools in Dynamic Structural Econometrics (UCL)
2024 Pennsylvania Economic Theory Conference (Penn State)
2018 Korean Association of Public Finance Meeting (Seoul)

Honors, Fellowships, and Awards

William Larimer Mellon Fellowship, Carnegie Mellon University 2022–present
Dean’s Research Funds, Carnegie Mellon University 2023
Winner, Kaggle Data Analytic Competition (COVID-19 & Digital Learning) 2021
Merit Based Scholarship, Sogang University 2015

Software Skills

Stata, Python, C, C++, MATLAB, SAS, EViews, L^AT_EX

Languages

Korean (native), English (fluent)