

Hyungjin (Hyung-Jin) Kim

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CONTACT INFORMATION	4523 Wesley W. Posvar Hall Pittsburgh, PA 15260 https://econhyungjinkim.github.io	Phone: 412-628-3359 E-mail: gene.kim@pitt.edu
EDUCATION	<ul style="list-style-type: none">Ph.D. in Economics, University of Pittsburgh, August 2017-<ul style="list-style-type: none">Fields: Industrial Organization, Machine Learning, and Applied EconometricsM.S., Economics, Sungkyunkwan University, Seoul, South Korea, 2017B.A., Economics and Philosophy, Sungkyunkwan University, Seoul, South Korea, 2015	
WORKING EXPERIENCE	<ul style="list-style-type: none">Economist Intern - Core AI, Amazon, Seattle, May 2022-August 2022.<ul style="list-style-type: none">Improve model libraries owned by Amazon based on its unique dataset and theories in Statistics and Econometrics in the Core-AI team.Use econometric models to answer key business questions and make suggestions to the business partner team.Do the causal inference by implementing modern machine learning tools including Double/Debiased Machine Learning, Causal Forest.	
SKILLS	<ul style="list-style-type: none">Programming Python, R, Julia, Spark, Pyspark, SQL Stata, Matlab, \LaTeXFunctional Machine Learning (Sklearn) Causal Inference Spatial Analysis (Geopandas)Language English (Fluent) Korean (Native)	
PUBLICATIONS	<ul style="list-style-type: none">Estimating Switching Costs for Telecommunications Services and Bundles (with Hyunchul Kim, Accepted at Applied Economics)<ul style="list-style-type: none">Develop a Mixed Logit demand model to estimate the consumers' switching costs over telecommunications services and bundles.Collect and construct the large household data set with subscription choices for Mobile, Fixed Internet, and Fixed TV.Research presented at 4th Medial Panel Conference Presentation, 1st winner, Seoul, South Korea	
WORKING PAPERS	<ul style="list-style-type: none">Double/Debiased Machine Learning for Static Games with Incomplete Information<ul style="list-style-type: none">Developed the econometric model to remove first stage machine learning bias of discrete choice models with the game settingUsed machine learning tools (Lasso, Gradient Boosting, Random Forests) to predict retail pharmacies' entry/exit decisions under the competitive environmentThe Welfare Effects of Regulating the Short-Term Rental Market (Airbnb)<ul style="list-style-type: none">Used Difference-in-Difference and structural model to identify the costs of regulation for Airbnb listings in San Francisco by using PythonUsed Geopandas to analyze the spatial distribution of Airbnb listings over San Francisco	
HONORS AND AWARDS	<ul style="list-style-type: none">Social Science Doctoral Dissertation Fellowships (Merit-based), 2019 - 2020Summer Research Fellowship, University of Pittsburgh, Summer 2019Arts and Sciences Fellowship, University of Pittsburgh, Fall 2017 - Spring 2018	

**CONFERENCE AND
PRESENTATIONS**

- IAAE (International Association for Applied Econometrics) 2023 (Oslo, Summer 2023, Scheduled)
- The 37th Annual Conference of the Pennsylvania Economic Association (Washington, Summer 2023, Scheduled)
- North America Summer Meeting of the Econometric Society (Los Angeles, Summer 2023, Scheduled)
- Pittsburgh Medley Conference, Summer 2022
- Applied Microeconomics Colloquium, Carnegie Mellon University, Summer 2020
- Applied Microeconomics Seminar, University of Pittsburgh Econometrics Seminar, Spring & Fall 2019
- Econometrics Seminar, University of Pittsburgh, Fall 2018, Fall 2020, Spring 2021, Spring 2023

**TEACHING
EXPERIENCE**

- Instructor, University of Pittsburgh
 - Applied Econometrics (OMET scores 4.64/5), Summer 2021.
- Teaching Assistant, University of Pittsburgh
 - 1st-year Ph.D. Year Econometrics 2, Spring 2020.
 - Introduction to Microeconomics, Spring 2019, Fall 2021, Fall 2022
 - Introduction to Macroeconomics, Fall 2019, Summer 2020

**OTHER
PROFESSIONAL
EXPERIENCE**

- Mentor for 2nd Year Student in Ph.D. Economics, University of Pittsburgh, 2019-2021
- Department Delegate, Arts & Sciences GSO, University of Pittsburgh, 2019-2020
- Research Assistant to Prof. Arie Beresteanu, University of Pittsburgh, Summer 2020
- Military Service: Sergeant, Administrative Specialist, South Korea, 2009-2011