

# Hyungjin (Hyung-Jin) Kim

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CONTACT INFORMATION	4523 Wesley W. Posvar Hall Pittsburgh, PA 15260 <a href="https://econhyungjinkim.github.io">https://econhyungjinkim.github.io</a>	Phone: 412-628-3359 E-mail: <a href="mailto:gene.kim@pitt.edu">gene.kim@pitt.edu</a>												
EDUCATION	<ul style="list-style-type: none"><li>Ph.D. in Economics, University of Pittsburgh, August 2017-<ul style="list-style-type: none"><li>Fields: Industrial Organization, Machine Learning, and Applied Econometrics</li></ul></li><li>M.S., Economics, Sungkyunkwan University, Seoul, South Korea, 2017</li><li>B.A., Economics and Philosophy, Sungkyunkwan University, Seoul, South Korea, 2015</li></ul>													
WORKING EXPERIENCE	<ul style="list-style-type: none"><li>Economist Intern - Core AI, Amazon, Seattle, May 2022-August 2022.<ul style="list-style-type: none"><li>Improve model libraries owned by Amazon based on its unique dataset and theories in Statistics and Econometrics in the Core-AI team.</li><li>Use econometric models to answer key business questions and make suggestions to the business partner team.</li><li>Do the causal inference by implementing modern machine learning tools including Double/Debiased Machine Learning, Causal Forest.</li></ul></li></ul>													
SKILLS	<ul style="list-style-type: none"><li><table><thead><tr><th>Programming</th><th>Functional</th><th>Language</th></tr></thead><tbody><tr><td>Python, R, Julia,</td><td>Machine Learning (Sklearn)</td><td>English (Fluent)</td></tr><tr><td>Spark, Pyspark, SQL</td><td>Causal Inference</td><td>Korean (Native)</td></tr><tr><td>Stata, Matlab, <math>\text{\LaTeX}</math></td><td>Spatial Analysis (Geopandas)</td><td></td></tr></tbody></table></li></ul>	Programming	Functional	Language	Python, R, Julia,	Machine Learning (Sklearn)	English (Fluent)	Spark, Pyspark, SQL	Causal Inference	Korean (Native)	Stata, Matlab, $\text{\LaTeX}$	Spatial Analysis (Geopandas)		
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PUBLICATIONS	<ul style="list-style-type: none"><li>Estimating Switching Costs for Telecommunications Services and Bundles (with Hyunchul Kim, <a href="#">Accepted at Applied Economics</a>)<ul style="list-style-type: none"><li>Develop a <b>Mixed Logit demand model</b> to estimate the consumers' switching costs over telecommunications services and bundles.</li><li>Collect and construct the large household data set with subscription choices for Mobile, Fixed Internet, and Fixed TV.</li><li>Research presented at 4<sup>th</sup> Medial Panel Conference Presentation, 1st winner, Seoul, South Korea</li></ul></li></ul>													
WORKING PAPERS	<ul style="list-style-type: none"><li><a href="#">Double/Debiased Machine Learning for Static Games with Incomplete Information</a><ul style="list-style-type: none"><li>Developed the <b>econometric model</b> to remove first stage machine learning bias of discrete choice models with the game setting</li><li>Used machine learning tools (<b>Lasso, Gradient Boosting, Random Forests</b>) to predict retail pharmacies' entry/exit decisions under the competitive environment</li></ul></li><li>The Welfare Effects of Regulating the Short-Term Rental Market (Airbnb)<ul style="list-style-type: none"><li>Used <b>Difference-in-Difference</b> and structural model to identify the costs of regulation for Airbnb listings in San Francisco by using Python</li><li>Used <b>Geopandas</b> to analyze the spatial distribution of Airbnb listings over San Francisco</li></ul></li></ul>													
HONORS AND AWARDS	<ul style="list-style-type: none"><li>Social Science Doctoral Dissertation Fellowships (Merit-based), 2019 - 2020</li><li>Summer Research Fellowship, University of Pittsburgh, Summer 2019</li><li>Arts and Sciences Fellowship, University of Pittsburgh, Fall 2017 - Spring 2018</li></ul>													
CONFERENCE AND PRESENTATIONS	<ul style="list-style-type: none"><li>North America Summer Meeting of the Econometric Society (Scheduled)</li><li>Pittsburgh Medley Conference, Summer 2022</li><li>Applied Microeconomics Colloquium, Carnegie Mellon University, Summer 2020</li><li>Applied Microeconomics Seminar, University of Pittsburgh Econometrics Seminar, Spring &amp; Fall 2019</li><li>Econometrics Seminar, University of Pittsburgh, Fall 2018, Fall 2020, Spring 2021, Spring 2023</li></ul>													

**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 2<sup>nd</sup> 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