

SIWON RYU (류시원)

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Employment

Researcher, Posco Research Institute (POSRI), Seoul, Korea	2025-Present
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Education

Ph.D. of Economics, Rice University, Houston, Texas, United States	2025
M.A. of Economics, Rice University, Houston, Texas, United States	2025
M.A. of Economics, Seoul National University, Seoul, Republic of Korea	2020
B.A. of Economics, Kyung Hee University, Seoul, Republic of Korea	2017

Research Fields

Econometrics; Program Evaluation; Causal Inference; Network Economics; Health Economics

Honors

Jennifer and Purvez Captain Award for the Most Outstanding Economics Dissertation	2025
John R. Kelly Graduate Student Teaching Prize in Economics, Rice University	2023
Robin C. Sickles Award for Best Performance in Qualifying Exams, Rice University	2022
Maria Esther and Carlos Linares Award for Best Performance in First-Year Courses, Rice University	2021
Graduate Fellowship, Rice University	2020-2025

Working Papers

1. **“Causal Effects of Treatments with Network Changes”** (Job market paper)
2. **“Local Average Treatment Effects with Imperfect Compliance and Interference”**
3. **“Causal Mechanism with Interference”**

Work in Progress

1. **“Heterogeneous Parental Labor Supply Responses to Children’s Severe Health Shocks: Evidence from Administrative Data from South Korea”** with Jungmin Lee and Hyuncheol Bryant Kim
2. **“Financial Development and Trade Network Formation”** with Daeun Bae

Professional Experience

Research Assistant, Korea Institute for Industrial Economics and Trade (KIET)	2014
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Conferences and Seminars

Brown-Bag seminar, Rice University	2022, 2023, 2024, 2025
Texas Econometrics Camp Conference	2024

Skills

Programming:	Matlab, Stata, Mata, SAS, SAS-IML, R, Python, Julia, SQL
Others:	Git, HTML&CSS
Languages:	English (Fluent), Korean (Native)

Teaching and Research Experience

Teaching Assistant, Rice University	2021-Present
— Econometrics I (G), Econometrics II (G)	
Teaching Assistant, Seoul National University	2018-2019
— Econometrics (G), Topics in Econometrics (G)	
Teaching Assistant at Kyung-Hee University	2015
— Macroeconomics I (UG), Macroeconomics II (UG)	
Research Assistant with Professor Yoon-Jae Whang, Seoul National University	2018-2020
Research Assistant with Professor Jungmin Lee, Seoul National University	2018-2019
— <i>“Establishment The Database for The Socio-Economic Level of Korea”</i> using Database of Korea National Insurance Service (NHIS)	
Research Assistant with Professors Jungmin Lee, Hyuncheol Bryant Kim, Jisoo Hwang, Seoul National University	2019-2020
— <i>“Job Displacement and The Economic, Health Outcomes”</i> using Database of Korea National Insurance Service (NHIS)	
Science Korea Research Assistantship, Korea Research Foundation	2019-2020
Brain Korea 21 Plus Research, Seoul National University	2018