

Sunghun Cho

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I am a Macro-Labor economist, building a theoretical/econometric model to explain empirical patterns in micro/large-scale data set. I have expertise in handling a matched employer-employee data set, analyzing government-led policy, and working on team-based projects with policy researchers, government officials, and academic professors.

EDUCATION	Ph.D. Candidate, Economics, Stony Brook University (Expected)	2016-2022
	Ph.D. Candidate, Economics, Seoul National University	2013-2016
	M.A., Economics, Seoul National University (Military Leave: 2009-2011)	2009-2012
	B.A., Economics and Finance (with distinction), Hanyang University	2006-2009
SKILLS	STATA, R, SPSS, Python (Econometric Modeling with Large Scale Data Set)	
	<ul style="list-style-type: none">Principal Component Analysis (PCA), Hierarchical Log-linear Model (HLM), Propensity Score Matching (PSM), Policy Intervention (DID), Input-Output (I-O) Analysis, Structural Vector Auto-Regression (SVAR)	
	MATLAB, Python (Theoretical Modeling)	
	<ul style="list-style-type: none">Dynamic Programming (Heterogeneous Agent Model), BLP Model	
PROJECT EXPERIENCE	Building an econometric or theoretical model using a matched employer-employee data set in the US and Korea	
	▷ Job Market Paper, “Employer Growth and Worker Reallocation”	
	<ul style="list-style-type: none">Data (US): Firm-level observations in the Quarterly Workforce IndicatorFindings: higher rate of worker turnover observed among fast-growing young firmsCalibrated a multi-worker firm model incorporating 1) internally changing the composition of workforce, and 2) externally posting vacancies to replace workers, and accelerate rate of growth	
	▷ Published in <i>Monthly Labor Review</i>, “The Impact of R&D and Support Policies on Employment in the Private Sector and Management Performance” (Supervisor: Yoon-Gyu Yoon)	
	<ul style="list-style-type: none">Data (Korea): Korea Enterprise Data (matched to the Employment Insurance DB)Findings: R&D and support policies increased employment rates (overall: 6-9% youth: 8-10%), sales (5-9%), and R&D investment (10-16%)Method: PSM-DID	
	▷ Research Report, “Study on Labor Market Transition of Youth” (Supervisor: Yoon-Gyu Yoon)	
	<ul style="list-style-type: none">Data (Korea): Survey on Labor Conditions by Employer TypeFindings: 1) Annual dual market index (DI) showed a persistent trend, 2) the greater extent of DI associated with (–) retention rate and employment share of young (19-34) employeesMethod: PCA, HLM	
	Forecasting GDP, worked with Sang-Ha Yoon (Korea Institute for International Economic Policy) and Wonho Song (Chung-Ang University)	
	<ul style="list-style-type: none">Data (Korea): National Traffic Volume (KEC), City Railroad Customers (Seoul Metro), Air Pollution - PM10 (Air Korea), Maximum Electricity Demand (KEPCO), Cultural Ticket Revenue and Customers (KOBIS, KOPIS), Korean EPU Index (BigKinds), Keyword Search Index (NAVER)Developed a weekly economic activity index for the Korean economy using daily observationsMethod: PCA	
	Social Security Disability Insurance (SSDI) project (Supervisor: David Wiczer), funded by the National Bureau of Economic Research	
	<ul style="list-style-type: none">Data (US): County-level SSDI rate, local demographics, housing prices, and labor market sources (1990-2015)Built an econometric model to understand the geographic variation of SSDI rate with local economic activity, population health, living cost, and worker dynamics	

PROFESSIONAL EXPERIENCE	Teaching Assistant and Instructor , Department of Economics, Stony Brook University	2016-2022
	<ul style="list-style-type: none"> Teaching corporate finance courses as an instructor for 2+ years (two regular semesters - hybrid, asynchronous online/five 3-6 week sessions - asynchronous online) (Avg. class size: 41.9) Leading recitation classes as a teaching assistant for intermediate macroeconomics/microeconomics and introduction to economics (Avg. class size: 70) 	
	Research Assistant , Korea Labor Institute (Supervisor: Yoon-Gyu Yoon)	2012-2014
	<ul style="list-style-type: none"> Built an econometric model to study the association between employment adjustment and firm-level characteristics (e.g., sales, tangible/intangible asset, share of regular employees, male, labor union, etc.) using the Workplace Survey Method: Panel regression (FE/RE), System/Difference GMM 	
AWARDS	The William S. Dawes Outstanding Teaching Award , Department of Economics, Stony Brook University	2021
	Presidential Dissertation Completion Fellowship , Stony Brook University	2021
	Professional Development Award , GSEU, Stony Brook University	2018-2019
	Summa Cum Laude, Dean's Honors , Department of Economics and Finance, Hanyang University	2009
PUBLICATIONS	"Commuting Effect of Metro Rail Expansions in Metropolitan Areas," <i>Journal of Transport Research</i> , 26(3), pp. 13-27 (with Jungeun Lim) (in Korean).	2019
	"The Effect of Financial Crisis on Workers in Germany," <i>Korean Economic Journal</i> , 55(1), pp. 61-85 (in Korean).	2016
	"A Critical Analysis of 'Varieties of Capitalism': Focus on Korean Market Economy," <i>Korea Review of Applied Economics</i> , 18(1), pp. 79-108 (in Korean).	2016
	"Recovery from the Great Depression in the U.S., Britain, Germany and Japan: A Comparative Input-Output Analysis," <i>Seoul Journal of Economics</i> , 28(3), pp. 360-375 (with Dong Hyu Yang).	2015
ACADEMIC WORKS	Employer Growth and Worker Reallocation (JMP)	Working Paper
	Employer Learning, Task Assignment, and Mismatch	Working Paper
	Labor Migration, Worker Reallocation, and Productivity (with Seongbong Hong and Joonseok Oh)	In Progress
	Common Ownership and Entry Deterrence (with Sang-Ha Yoon)	In Progress
PERSONAL INFORMATION	Citizenship: Korea (Visa: F-1)	
	Language: Korean (native), English (fluent), Chinese (basic)	