

Hiroyuki Asai

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EDUCATION

April 2025- June 2025	Visiting Doctoral Student in the Faculty of Economics, University of Cambridge Host: Hanbaek Lee
April 2023-	Ph.D. program in Economics, The University of Tokyo Advisor: Makoto Nirei
March 2023	M.A. in Economics, The University of Tokyo Thesis: <i>SME Policy Reform in the Networked Economy: Reallocation and Network Destruction</i> Advisor: Makoto Nirei
March 2021	B.A. in Economics, The University of Tokyo (Representative of the graduates)

RESEARCH INTERESTS

Macroeconomics, Computational Economics, Firm Dynamics, Heterogeneous Agent Model, Production Networks, Applied Econometrics

WORK IN PROGRESS

Hiroyuki Asai.(2023). SME Policy Reform in the Networked Economy: Reallocation and Network Destruction. *Preliminary draft*.

Hiroyuki Asai and Makoto Nirei.(2025). Network Growth Along Firm Life Cycle and its Macroeconomic Implications. *Preliminary draft*.

Hiroyuki Asai and Makoto Nirei.(2025). Clustering in Supply Chains and Its Macroeconomic Implications: Homophily vs. Friend-of-a-Friend Effects.

Hiroyuki Asai, Daisuke Fujii and Taisuke Nakata.(2025) Supply and Demand Shocks During the Pandemic.

Hiroyuki Asai, Daisuke Fujii and Takafumi Kawakubo.(2025) A Macro Model with Input-Output Network.

HONORS AND FELLOWSHIPS

2023 to 2026	JSPS Research Fellowship for Young Scientists (DC1), - Japan Society for the Promotion of Science (JSPS). Receive a stipend and additional research support for three years, securing the highest amount ever awarded in this category.
2023	Exemption from Repayment for Particularly Outstanding Achievements, - Japan Students Services Organization (JASSO). Receive a full repayment exemption of a scholarship funded by JASSO.
2022 to 2023	World-leading Innovative Graduate Study of Advanced Economics, - The University of Tokyo. Receive a stipend for one year.

TEACHING EXPERIENCE

Lecturer (part-time)

Autumn 2023	Math Camp (Ph.D.), The University of Tokyo (Dynamic Programming)
Spring 2023	Math Camp (Ph.D.), The University of Tokyo (Dynamic Programming)

Teaching Assistant, The University of Tokyo

Spring 2023	Macroeconomics I (Ph.D., core), Instructor: Lee Hanbaek (University of Cambridge)
Autumn 2022	Advanced Time Series Analysis (Ph.D.), Instructor: Mototsugu Shintani
Spring 2022	Econometrics II (Ph.D., core), Instructor: Hidehiko Ichimura
Spring 2022	Macroeconomics I (Ph.D., core), Instructor: Mototsugu Shintani

Teaching Assistant, Kyoritsu Women's University

Spring 2021	Basic Math, Instructor: Kazuo Ueda (Bank of Japan)
Spring 2020	Basic Math, Instructor: Kazuo Ueda (Bank of Japan)

RELEVANT POSITIONS

From 2024	Guest Researcher, Center for Research and Education in Program Evaluation (CREPE)
From 2023	Research Fellow (DC1), Japan Society for the Promotion of Science (JSPS)
From 2022	Research Assistant, UTokyo Economic Consulting Inc. · Develop a long-term government outlook on the supply chain in Japan.
From 2020 to 2022	Research Assistant for Professor Taisuke Nakata, The University of Tokyo · Analyze the macroeconomic effect of COVID-19 pandemic. · Analyze the optimal monetary policy under Zero Lower Bound.

PRESENTATIONS

August 2025	World Congress of the Econometric Society, Seoul
June 2025	SED Annual Meeting, University of Copenhagen
June 2025	Workshop on International Economic Networks, University of Vienna
April 2025	Conference on Network Science and Economics, Stanford University
March 2025	Indo-French Research Conference on Production Networks, Indian Institute of Management Kozhikode
February 2025	Macroeconomics Conference for Young Economists, Osaka University
September 2023	UTokyo Student Macro Workshop, The University of Tokyo
January 2023	Macroeconomics Workshop, The University of Tokyo

LANGUAGES

Japanese (native), English (fluent, TOEFL iBT score 102, May 2023), Spanish (beginner)

COMPUTER SKILLS

MATLAB, Python, R, STATA C, C++, $\text{\LaTeX}$, Microsoft Office, AWS

BIOGRAPHY

Birthday:	June 17, 1997
Citizenship:	Japan