

Daisuke Adachi

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Research Interest: International Trade, Labor Economics

Affiliation:

Aarhus University, Associate professor, June 2025-Present
Aarhus University, Assistant professor, August 2022-May 2025
Aarhus University, Post-doctoral fellow, August 2021-July 2022
UTEcon, Advisor, 2022-Present
Research Institute of Economy, Trade, and Industry (RIETI), Specially Appointed Fellow, 2020-Present

Education:

Ph.D., Economics, Yale University, 2021
Dissertation Title: *Essays in Automation and Globalization*
M.A., Economics, University of Tokyo, 2015
B.A., Economics, University of Tokyo, 2013

Publications and Accepted Papers:

Daisuke Adachi. (2025). Elasticity of Substitution between Robots and Workers: Theory and Evidence from Japanese Robot Price Data. *Journal of Monetary Economics*. 2025, <https://doi.org/10.1016/j.jmoneco.2025.103782>

Ataru Igarashi, Cillian Copeland, Nikos Kotsopoulos, Riku Ota, Silvia Capucci, and Daisuke Adachi. (2024). Assessing the Fiscal Burden of Overweight and Obesity in Japan through Application of a Public Economic Framework. *Journal of Health Economics and Outcomes Research*, 2024, Nov 4;11(2):125-132. <https://doi.org/10.36469/001c.123991>

Daisuke Adachi, Daiji Kawaguchi and Yukiko U. Saito. (2024). Robots and Employment: Evidence from Japan, 1978-2017. *Journal of Labor Economics*, 2024 42:2, 591-634. <https://doi.org/10.1086/723205>

Daisuke Adachi, Hiroyuki Nakata, Yasuyuki Sawada, and Kunio Sekiguchi. (2023). Adverse Selection and Moral Hazard in Corporate Insurance Markets: Evidence from the

2011 Thailand Floods. *Journal of Economic Behavior & Organization*, 2023, 205, 376-386. <https://doi.org/10.1016/j.jebo.2022.11.027>

Working Papers:

“Multinational Production and Labor Share” with Yukiko U. Saito, 2025, *R&R at the Review of Economics and Statistics*.

“Employers’ Unilateral Settlement of Dismissal Disputes” with Ryo Kambayashi and Kohei Kawaguchi, 2025.

“Commuting Zones in Japan” with Taiyo Fukai, Daiji Kawaguchi, and Yukiko U. Saito, 2020.

Works in Progress:

“Monopsony in a Two-sided Matching Market,” joint with Suk Joon Son and Shintaro Yamaguchi.

“Rails, Risks, and Resilience: A Dynamic Spatial Equilibrium Model with Natural Disaster Risks.”

“When Offshoring Threatens Jobs: Lifelong Education and Occupation Choice,” joint with Lars Skipper.

“Robots on Sale: The Effect of Investment Promotion on Robot Adoption and Employment,” joint with Daiji Kawaguchi and Yukiko U. Saito.

Teaching:

Aarhus University

International Economics, Master level (Fall 2024, 2022, 2021)

Labor Economics, Master level (Fall 2021)

International Trade, Bachelor level (Fall 2024)

International Labor Markets, Bachelor level (Spring 2025, 2024, 2023, 2022)

Yale University

Teaching Assistant for Peter Schott, International Trade, Yale College (Spring 2019, Spring 2018)

Teaching Assistant for William Nordhaus, Intermediate Macroeconomics, Yale College (Fall 2018)

Teaching Assistant for Donald Andrews, Introductory Econometrics, Yale College (Fall 2017)

University of Tokyo

Teaching Assistant for Andrew Griffen, Topics in Labor Economics, Graduate level (Winter 2014)

Teaching Assistant for Michihiro Kandori, Microeconomics, Undergraduate level (Winter 2013)

Teaching Assistant for Daisuke Oyama, Mathematics for Economics, Undergraduate level (Summer 2013)

Selected Invited Presentations:

Keio University (expected); Okayama University (expected); Johannes Gutenberg University Mainz; National University of Singapore; Osaka University; Hitotsubashi University; The 2023 CREPE Day (University of Tokyo); Applied Econometrics Workshop in Honor of Professor Hidehiko Ichimura (University of Tokyo); ECLAC-ifo-PILLARS Workshop (Santiago de Chile); Copenhagen Business School; Tokyo Labor Economics Workshop; LabFam Seminar (University of Warsaw); Kyushu University; IMF Jobs and Growth Seminar; Hitotsubashi University; Waseda University; University of Copenhagen; USITC; Osaka University; Kobe University

Selected Seminar and Conference Presentations:

2025 Asia Pacific Trade Seminars (Expected); Workshop on Economic Security and the Future of the Global Trading System (Kiel); 2024 Nordic International Trade Seminars (NOITS, University of Oslo); ESEM Conference (Erasmus University Rotterdam); LEED Conference (Copenhagen Business School); The 2024 ASSA Annual Meeting; 3rd Quantitative Education Research Workshop in Denmark; 2023 Nordic International Trade Seminars (NOITS, Stockholm University); The 2023 European Trade Study Group (ETSG, University of Surrey); Danish International Economics Workshop (Aarhus University); 2022 Asian and Australian Society of Labor Economics; University of Trento; FIND Workshop (Aarhus University); The 2022 Conference on Robots and Automation; 2022 RES Symposium of Junior Researchers; University of Tokyo; GRIPS; 2021 North American Summer Meeting of the Econometric Society; The 2021 GEP/CEPR Annual Postgraduate Conference; The 2020 Econometric Society World Congress; The 2019 Asian and Australian Society of Labor Economics; Microeconomics Workshop (University of Tokyo); The 2019 Empirical Investigations in International Trade; The 2019 Young Economist Symposium; The 2019 Cryptocurrency Research Conference; The 2019 Midwest International Trade Conference; The 2019 Hitotsubashi Winter International Trade Seminar; The 2018 Asian and Australian Society of Labor Economics; The 2015 International Comparison Workshop (RAND Corporation); The 2015 Japanese Economic Association Spring Meeting

Research and Work Experience:

Research Assistant to Prof. Costas Arkolakis, Yale University, 2018-2019
Research Assistant to Prof. Danial Lashkari, Yale University, 2018
Research Assistant to Prof. Bryan Kelly, Yale University, 2018
Research Assistant to Prof. Yukiko Saito, Research Institute of Economy, Trade, and Industry (Japan), 2017-2019
Research Assistant to Prof. Yasuyuki Sawada and Hiroyuki Nakata, Research Institute of Economy, Trade, and Industry (Japan), 2013-2014
Research Assistant to Prof. Yasutora Watanabe, Kosuke Uetake, and Kohei Kawaguchi, JR East Water Business Co Ltd, 2013

Selected Fellowships, Honors, and Awards:

PIREAU seed funding - Labor market transformations and inequality, Aarhus University. 2024.

Japan Society for the Promotion of Science “Kakenhi” Grant-in-Aid for Early-Career Scientists “The Impact of Robotization on Occupational Wage Inequality” (23K12498). 2023-Present.

Invited Participant, 7th Lindau Nobel Laureate Meetings on Economic Sciences. 2022.

University Dissertation Fellowship, Yale University. 2020-2021.

University Fellowship, Yale University. 2015-2020.

Richard J. Bernhard Fellowship Fund, Yale University. 2016-2019.

Cowles Foundation Fellowship. 2015-2019.

Selected Referee Service: *Canadian Journal of Economics; Economic Letters; Economic Theory; Empirical Economics; Health Economics; International Economic Review; International Journal of Industrial Organization; Journal of Asian Economics; Journal of Business Research; Journal of Economic Behavior and Organization; Journal of the Japanese and International Economics; Journal of Political Economy Microeconomics; Journal of International Economics; Journal of Labor Economics; Socio-Economic Review; Theoretical Economics*

Departmental Service:

[FIND Seminar](#) Organizer, Aarhus University. August 2022 – Present.

Organizer for [Workshop on the Impact of Automation on Labor Markets](#), 2025 (expected).

ChatGPT Taskforce, Aarhus University. June 2023 – February 2024.

Programming Languages:

Python, R, MATLAB, Stata (advanced)

Fortran, Julia, Mathematica, SAS, SQL (intermediate)

Languages: English (fluent), Japanese (native), Danish, Chinese (basic)

Date of Birth: August 4, 1990