

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, *Revision requested at the Review of Economics and Statistics*.

“When Offshoring Threatens Jobs: Lifelong Education and Occupation Choice,” joint with Lars Skipper, *Revision requested at the Journal of Labor Economics*.

“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.”

“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)

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.

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, Mandarin Chinese (basic)

Date of Birth: August 4, 1990