

Rentaro Utamaru
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Graduate School of Public Policy The University of Tokyo
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Education

2023-present THE UNIVERSITY OF TOKYO
Doctoral Program, Advisor: Prof. [Yasutora Watanabe](#).

2021-2023 THE UNIVERSITY OF TOKYO
M.A. in Economics, Advisor: Prof. [Shintaro Yamaguchi](#).

2017-2021 WASEDA UNIVERSITY
B.A. in Economics, Advisor: Prof. [Hideo Owan](#).

Research Interests

- Empirical Industrial Organization, Applied Econometrics and Labor Econometrics

Research Projects: Current and Planned

WORKING PAPERS

- “Nonparametric Identification of Production Functions without a Markov Assumption”
- “A Simple Solution to Two Identification Problems in the Selection Bias Correction by Olley and Pakes (1996)”
- “Revisiting the Relationship between Value-Added and Gross Cobb-Douglas Production Functions”

WORK IN PROGRESS

- “Development of Methods for Measuring Environmental Innovation and Analysis of the Impact of Environmental Regulations on Environmental Innovation”
- “Analysis of industrial policy in declining industries using multi-product production function estimation methods” (with Satoshi Imahie and [Yuta Toyama](#))

Presentation

- 2024 Japanese Economic Association 2024 Autumn Meeting, Fukuoka University, Fukuoka.
- 2023 Empirical Micro Research Seminar, The University of Tokyo, Tokyo.
Japanese Economic Association 2023 Spring Meeting, Nanzan University, Tokyo.
- 2022 Japan Empirical Industrial Organization Workshop, Osaka University, Osaka.

Awards, Grants & Fellowships

- 2025 Research Fellowships for Young Scientists: DC2
- 2024 Hitotsubashi University Institute of Economic Research Joint Usage and Research Center Project: Principal Investigator Researcher, awarded a research grant of approximately \$7,500.
JST Next Generation Researcher Challenging Research Program: Participant in the University of Tokyo, awarded a research grant of approximately \$3,500
- 2021 Japan Student Services Organization Type 1 Scholarship: Awarded a scholarship of approximately \$19,200
- 2020 Waseda University School of Political Science and Economics: Honorable Mention in the Waseda University Political Economy Society Essay Contest.
- 2017 Japan Student Services Organization Type 1 Scholarship: Awarded a scholarship of approximately \$36,000

Research Assistants

- 2022-present Professor **Shintaro Yamaguchi** (University of Tokyo), Professor **Takeshi Murooka** (Osaka University), Assistant Professor **Yoko Okuyama** (Uppsala University): Analyze internal HR, employment, and gender using internal company data.
Assistant Professor **Suk Joon Son** (University of Tokyo), Associate Professor **Daisuke Adachi** (Aarhus University): Analyze the online labor markets.
- 2021-2024 Intern Analyst III (Highest level), **UTokyo Economic Consulting Inc**: I have developed estimation codes and data cleaning for policy evaluations, conducted literature reviews, prepared reports for government and the private sector, and managed projects.
Professor **Kensuke Kubo** (Keio University), Professor **Hiroko Okudaira** (Doshisha University), Professor **Daiji Kawaguchi** (University of Tokyo) and Professor **Daisuke Miyakawa** (Hitotsubashi University)
- 2019-2020 Professor **Yasutora Watanabe** (University of Tokyo): Literature review and data analysis on structural estimation, code generation.
Associate Professor **Yuta Toyama** (Waseda University): Analysis of emissions trading and entry/exit of financial institutions, coding for structural estimation such as BLP.

Teaching Experience

- 2023 Labor Economics I, Professor **Shintaro Yamaguchi**, Graduate School of Economics, The University of Tokyo (2023)
Labor Economics II, Professor **Yuki Hashimoto**, Graduate School of Economics, The University of Tokyo (2023)

Language and Skill

- English, Japanese (native).
- Research experience with structural estimation methods (demand, production function, single agent and game estimation), causal inference methods (instrumental variables, DiD, event study, RD, matching), nonparametric methods (both classical econometric and machine learning), and field experiment design and implementation.
- R, Stata, Python, Matlab, Julia, SQL, Git, Qualtrics and \LaTeX .