YOSHIYA YOKOMOTO

Version: February 2026
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EDUCATION

Keio University April 2026 -
Ph.D. in Economics

Keio University April 2024 - March 2026
M.A. in Economics

Rikkyo University April 2020 - March 2024
B.A. in Economics

RESEARCH INTERESTS

Macroeconomics: Heterogeneous Agent Models, Numerical Solution, Sovereign Debt, Asset Pricing
Machine Learning: Deep Learning for Dynamic Models, Theory of Deep Learning

WORKING PAPERS

1. Accelerating the Krusell-Smith Algorithm with Deep Learning

WORK IN PROGRESS

1. Approximation Theory for High-Dimensional Economic Models (with Kei Hirano)
2. Deep Surrogate Dynamic Programming for Structural Models: An Application to R&D Investment and Tax Policy Evaluation (with Kenta Ikeuchi and Kei Hirano)
3. Government Balance Sheet Risk and Sovereign Debt Pricing

RESEARCH ASSISTANT EXPERIENCE

Research Assistant for Tatsuro Senga August 2024 - August 2025

Research Assistant for Ippei Fujiwara and Shinnosuke Kikuchi May 2025 - November 2025
Project at RIETI

Research Assistant for Kenta Ikeuchi October 2025 - Present
Project at RIETI

TEACHING ASSISTANT

2025
Macroeconomics I-2 (Yi Fangyuan)

PRESENTATIONS

- 2025: Workshop @ Yonsei University (Seoul, Korea)
- 2025: Deep Learning for Dynamic Stochastic Models Conference (Turin, Italy)

SKILLS

Programming	Python (PyTorch), Fortran, CUDA, MATLAB, Julia, Stata,
Languages	Japanese (Native), English (Fluent)