

yusuke narita

contact

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research interests

Substantive Interests: Data-driven Design of Algorithms and Markets
with Education Policy Applications

Methodological Tools: Causal Inference, History, Machine Learning, Structural Modeling, Theory

papers (economics)

Meritocracy & Its Discontents: Long-run Effects of Repeated School Admission Reforms
with Chiaki Moriguchi and Mari Tanaka

Algorithm as Experiment: Machine Learning, Market Design, and Policy Eligibility Rules
with Kohei Yata, Best Paper Prize at ACM Conference on Equity and Access in Algorithms,
Mechanisms, and Optimization (EAAMO '21)

Match or Mismatch? Learning and Inertia in School Choice

Efficient Adaptive Experimental Design for Average Treatment Effect Estimation
with Masahiro Kato, Takuya Ishihara, and Junya Honda

Approximating Choice Data by Discrete Choice Models
with Haoge Chang and Kota Saito

The Curse of Democracy: Evidence from the 21st Century

Hearing the Voice of the Future

Breaking Ties: Regression Discontinuity Design Meets Market Design
with Atila Abdulkadiroglu, Josh Angrist, and Parag Pathak

Econometrica

Incorporating Ethics & Welfare into Randomized Experiments

Proceedings of the National Academy of Sciences

A Theory of Quasi-Experimental Evaluation of School Quality

Management Science

Research Design Meets Market Design: Using Centralized Assignment for Impact Evaluation
with Atila Abdulkadiroglu, Josh Angrist, and Parag Pathak

Econometrica

Regression Discontinuity in Serial Dictatorship: Achievement Effects at Chicago's Exam Schools
with Atila Abdulkadiroglu, Josh Angrist, Parag Pathak, and Roman Zarate

American Economic Review Papers and Proceedings

Improving Schools through School Choice: A Market Design Approach
with John Hatfield and Fuhito Kojima

Journal of Economic Theory

Guilt Aversion Revisited: An Experimental Test of a New Model
with Toshiji Kawagoe

Journal of Economic Behavior & Organization

Comment on "Efficient Resource Allocation on the Basis of Priorities"

Econometrica Online Article Comments

papers (machine learning, AI, and applied math)

Off-Policy Evaluation of Ranking Policies under Diverse User Behavior

with Haruka Kiyohara, Masatoshi Uehara, Nobuyuki Shimizu, Yasuo Yamamoto, & Yuta Saito

KDD (Knowledge Discovery & Data Mining), 2023

SMART-EXAM: Incorporating Participants' Welfare into Sequential Multiple Assignment Randomized Trials

with Xinru Wang, Nina Deliu, and Bibhas Chakraborty

Biometrics, 2023

Counterfactual Learning with General Data-generating Policies

with Kyohei Okumura, Akihiro Shimizu, and Kohei Yata

AAAI (Association for the Advancement of Artificial Intelligence), 2023

Policy-Adaptive Estimator Selection for Off-Policy Evaluation

with Yuta Saito, Takuma Udagawa, Haruka Kiyohara, and Kei Tateno

AAAI (Association for the Advancement of Artificial Intelligence), 2023

Open Bandit Dataset and Pipeline: Towards Realistic and Reproducible Off-Policy Evaluation

with Yuta Saito, Shunsuke Aihara, & Megumi Matsutani

NeurIPS (Neural Information Processing Systems), 2021

[Link to Accompanying *Open Bandit Pipeline* \(Data, Software, and Documentation\)](#)

Evaluating the Robustness of Off-Policy Evaluation

with Yuta Saito, Takuma Udagawa, Haruka Kiyohara, Kazuki Mogi, and Kei Tateno

RecSys (ACM Conference on Recommender Systems), 2021

Debiased Off-Policy Evaluation for Recommendation Systems

with Shota Yasui and Kohei Yata

RecSys (ACM Conference on Recommender Systems), 2021

Doubly Robust Off-Policy Evaluation for Ranking Policies under the Cascade Behavior Model

with H. Kiyohara, Y. Saito, T. Matsuhira, N. Shimizu, & Y. Yamamoto

WSDM (ACM Conference on Web Search and Data Mining), 2021

Efficient Counterfactual Learning from Bandit Feedback

with Shota Yasui and Kohei Yata

AAAI (Association for the Advancement of Artificial Intelligence), 2019

Many-to-many Matching with Max-min Preferences

with John Hatfield and Fuhito Kojima

Discrete Applied Mathematics, 2014

courses

Intermediate Data Analysis and Econometrics (Yale, undergraduate, Econ 123)

Fall 2023

Data Analysis & Econometrics (Yale, undergraduate, Econ 132)

Spring 2017, Fall 2017, Spring 2019

Introduction to Probability & Statistics (Yale, undergraduate, Econ 135)

Fall 2020, Fall 2021, Fall 2022, Fall 2023

Labor Economics (Yale, graduate, Econ 631)

Spring 2018, Spring 2019, Spring 2021, Spring 2022, Spring 2023

Topics in Empirical Economics and Public Policy (Yale, graduate, Econ 556)

Fall 2017, Fall 2018, Fall 2021, Fall 2022, Fall 2023

selected awards

World Economic Forum's Young Global Leaders

MIT Tech Review's Innovators under 35 Japan

The Prime Minister's Award for Open Innovation by the Japanese Government

KDDI Foundation Contribution Award

Best Undergraduate Thesis Ouchi Award at the University of Tokyo

affiliations & positions

2017-	Yale University, Department of Economics & Cowles Foundation Assistant Professor
2022-	Columbia Business School, Center on Japanese Economy & Business Research Associate
2021-	MIT, Blueprint Labs Affiliate Faculty
2020-	University of Tokyo, Market Design Center Affiliate Faculty
2018-	The Council on East Asian Studies at Yale University Affiliate Faculty
2018-	Y-RISE (Yale Research Initiative on Innovation and Scale) Network on Evidence Aggregation and External Validity Affiliate Faculty
2018-	Columbia University, Market Design Initiative Advisory Member
2018-	Research Institute of Economy, Trade and Industry (RIETI, Policy Think Tank Affiliated with the Japanese Government) Visiting Fellow
2011-	University of Chicago, Human Capital & Economic Opportunity Global Working Group Affiliate Faculty

past affiliation

2019-2020	Stanford University Visiting Assistant Professor
2016-2017	Yale University, Cowles Foundation Postdoctoral Fellow

education

2011–2016	Ph.D. at MIT Advisors: Parag Pathak, Josh Angrist, Daron Acemoglu, Nikhil Agarwal
–2011	BA & MA at University of Tokyo Advisors: Masahiko Aoki, Michihiro Kandori, Fuhito Kojima, Hitoshi Matsushima

professional services

Program and Policy Committees: AI Track at EC'19 (Economics & Computation) Conference, EC'20 Conference, EC'21 Conference, EAAMO'21 (ACM Conference on Equity and Access in Algorithms, Mechanisms, & Optimization), NeurIPS 2021 Workshop on Machine Learning Meets Econometrics, French National Family Allowance Office's Scientific Council for the Impacts of Daycare, Education Advisory Committee at the City of Toda

Referees (Selected):

Economics: *American Economic Review*, *American Economic Review: Insights*, *Econometrica*, *Journal of Political Economy*, *Review of Economic Studies*, *Quarterly Journal of Economics*, *American Economic Journal: Applied Economics*, *American Economic Journal: Microeconomics*, *Quantitative Economics*, *Theoretical Economics*, *Journal of Political Economy Microeconomics*, *Handbook of Industrial Organization*, *Journal of Econometrics*, *Journal of Economic Theory*, *Journal of Public Economics*, *Journal of Human Resources*, *Journal of European Economic Association*, *International Economic Review*, *Journal of Applied Econometrics*, *Journal of Business & Economic Statistics*, *Games and Economic Behavior*, *Journal of Economic Behavior & Organization*, *Economic Theory*, *Economics Letters*, Co-Editor for *Japanese Economic Review*, William T Grant Foundation, Israel Science Foundation, Swiss National Science Foundation, US National Science Foundation

Other Fields: *Journal of the American Statistical Association*, *Management Science*, *AISTATS (International Conference on Artificial Intelligence & Statistics)*