yusuke narita

contact

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research interests

Substantive Interests: Data-driven Algorithm/Mechanism Design
Education, Health, and Labor Policies

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 is 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)

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

Match or Mismatch? Learning and Inertia in School Choice

SMART-EXAM: Incorporating Participants' Welfare into Sequential Multiple Assignment Randomized Trials
with Xinru Wang, Nina Deliu, and Bibhas Chakraborty
Biometrics, 2023

Breaking Ties: Regression Discontinuity Design Meets Market Design
with Atila Abdulkadiroglu, Josh Angrist, and Parag Pathak
Econometrica, 2021

Incorporating Ethics & Welfare into Randomized Experiments
Proceedings of the National Academy of Sciences, 2020

A Theory of Quasi-Experimental Evaluation of School Quality

Management Science, 2020

Research Design Meets Market Design: Using Centralized Assignment for Impact Evaluation
with Atila Abdulkadiroglu, Josh Angrist, and Parag Pathak
Econometrica, 2017

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, 2017

Improving Schools through School Choice: A Market Design Approach
with John Hatfield and Fuhito Kojima
Journal of Economic Theory, 2016

Guilt Aversion Revisited: An Experimental Test of a New Model
with Toshiji Kawagoe
Journal of Economic Behavior & Organization, 2014

Comment on "Efficient Resource Allocation on the Basis of Priorities"
Econometrica Online Article Comments, 2009

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

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. Matsuhiro, 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 & Econometrics (Yale, undergraduate, Econ 123)
Data Analysis & Econometrics (Yale, undergraduate, Econ 132)
Probability & Statistics (Yale, undergraduate, Econ 135)
Labor Economics (Yale, graduate, Econ 631)
Empirical Methods & Policy Analysis (Yale, graduate, Econ 556)

selected awards

World Economic Forum's Young Global Leader

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

| 2019-20 | **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, Scientific Council for the Impacts of Daycare

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*, *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*, National Science Foundation, Israel Science Foundation

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