

# yusuke narita

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## contact

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## research interests

**Substantive:** Data-driven Design of Resource Allocations, with Education & Other Applications

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

## papers

Experiment-as-Market: Incorporating Welfare into Randomized Controlled Trials

*Cowles Foundation Discussion Paper 2127*

Machine Learning is Natural Experiment

with Kohei Yata

Hearing the Voice of the Future

Meritocracy & Its Discontents: Evidence from Centralizing & Decentralizing School Admissions

with Chiaki Moriguchi and Mari Tanaka

Match or Mismatch? Learning and Inertia in School Choice

Breaking Ties: Regression Discontinuity Design Meets Market Design

with Atila Abdulkadiroglu, Josh Angrist, and Parag Pathak

*NBER Working Paper 24172 & Cowles Foundation Discussion Paper 2170*

Revise and Resubmit at *Econometrica*

(Non)Randomization: A Theory of Quasi-Experimental Evaluation of School Quality

*Cowles Foundation Discussion Paper 2056*

Revise and Resubmit at *Management Science*

Efficient Counterfactual Learning from Bandit Feedback

with Shota Yasui and Kohei Yata

*AAAI (Association for the Advancement of Artificial Intelligence, major refereed publication venue in artificial intelligence & machine learning), 2019*

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

Many-to-many Matching with Max-min Preferences  
with John Hatfield and Fuhito Kojima

*Discrete Applied Mathematics*, 2014

## selected work in progress

Reinforcement Learning Meets Double Machine Learning  
with Shota Yasui and Kohei Yata

Data-driven Demand Modelling  
with Kota Saito

EXAMining Mobile Health Tech in Africa  
with Eli Grant and Daniel Marszalec

## courses

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

Labor Economics (Yale, graduate, Econ 631, with Joe Altonji)

Empirical Economics & Policy Analysis (Yale, graduate, Econ 556, with Tim Armstrong, Yuichi Kitamura, & Ed Vytlačil)

## affiliation

2017-            **Yale University, Department of Economics & Cowles Foundation**  
Assistant Professor

2019-20        **Stanford University**  
Visiting Assistant Professor

2018-	<b>The Council on East Asian Studies at Yale University</b> Affiliate Faculty
2018-	<b>Y-RISE (Yale Research Initiative on Innovation and Scale) Network on Evidence Aggregation and External Validity</b> Affiliate Faculty
2018-	<b>Columbia University, Market Design Initiative</b> Advisory Member
2018-	<b>Research Institute of Economy, Trade and Industry (RIETI, Policy Think Tank Affiliated with the Japanese Government)</b> Visiting Fellow
2016-	<b>MIT, School Effectiveness and Inequality Initiative (SEII)</b> Affiliate Faculty
2011-	<b>University of Chicago, Human Capital &amp; Economic Opportunity Global Working Group</b> Affiliate Faculty

## past affiliation

2016-2017	<b>Yale University, Cowles Foundation</b> Postdoctoral Fellow
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## education

2011–2016	<b>Ph.D. at MIT</b> <i>Thesis: Essays on Education Market Design</i> Committee: Parag Pathak, Josh Angrist, Daron Acemoglu, Nikhil Agarwal
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## professional services

Program Committee: AI Track at EC'19 (Economics & Computation) Conference, EC'20 (Economics & Computation) Conference

Referees:

*American Economic Journal: Applied Economics, American Economic Journal: Microeconomics, American Economic Review: Insights, Econometrica, EC (Economics & Computation) Conference, Economics Letters, Economic Theory, Games and Economic Behavior, International Economic Review, Journal of the American Statistical Association, Journal of Economic Theory, Journal of European Economic Association, Journal of Human Resources, Journal of Public Economics, Management Science, Quarterly Journal of Economics, Theoretical Economics, National Science Foundation*

Invited/Refereed Presentations:

2020: Invited Talk at the European Economic Association Annual Congress, Washington University/St Louis Fed (Labor/Public Seminar), Caltech (Social Sciences Seminar), Annual Empirical Microeconomics Conference at Arizona State University, Research Institute of Economy, Trade & Industry (RIETI), Columbia (Japan Economy Seminar), Econometric Society, American Economic Association

2019: Stanford (Market Design Seminar), Facebook, UC Berkeley (Labor Seminar), Columbia (Biostatistics Seminar), UC Irvine (Joint Labor/Public/Econometrics Seminar), Rice (Empirical

Micro Seminar), University of Tennessee (Labor/Public Seminar), Stanford (Theory Seminar), University of Tokyo, NBER Japan Project Meeting, NBER Summer Institute Labor Studies Meeting, Kyoto University Empirical Micro Workshop, Nihon University, Hitotsubashi (IO/Labor Seminar), Yahoo!, Japanese Economic Association, "Machine Learning for Economics" GSE Summer Forum in Barcelona, "Structural Microeconometrics" GSE Summer Forum in Barcelona, Society of Labor Economists (SOLE) Annual Meeting, Columbia (Joint Econometrics/Theory Seminar), Pacific Conference for Development Economics at USC, Penn State (Econometrics Seminar), University of Warwick (Empirical Micro Seminar), London School of Economics (Empirical Micro Seminar), NYU (Joint Development & Econometrics Seminar), Research Institute of Economy, Trade & Industry (RIETI), AAAI-19 Conference on Artificial Intelligence, Yale (Quantitative Method Seminar)

2018: Y-RISE Evidence Action & External Validity Meeting, Conference on Evidence-Based Policy Making by RIETI, Yale (Econometrics Seminar), Education Conference at the FRB of Minneapolis, NBER Market Design Meeting, Advances with Field Experiments 2018 Conference, Praekelt Foundation, UPenn (Empirical Micro Seminar), Econometric Society, Economic Theory Conference IV at the University of Chicago, Stanford Institute for Theoretical Economics (SITE) Session 5: Psychology & Economics, NBER Summer Institute Development Meeting, ICML / IJCAI / AAMAS Workshop "Machine Learning for Causal Inference, Counterfactual Prediction, & Autonomous Action (CausalML)," Stanford Institute for Theoretical Economics (SITE) Session 2: Empirical Implementation of Theoretical Models of Strategic Interaction & Dynamic Behavior, University of Chicago (Econometrics Seminar), University of Tokyo (Microeconomics Seminar), University of Wisconsin Madison (Labor/Public Seminar), Society of Labor Economists (SOLE) Annual Meeting, Market Design Conference at Columbia, Junior IO Workshop at the University of Tokyo, Microsoft Research, RIKEN Center for Advanced Intelligence Project, Hitotsubashi (IO/Labor Seminar), American Economic Association

2017: NBER Market Design Meeting, Brown, RIKEN Center for Advanced Intelligence Project, Yokohama National University (Microeconomics Seminar), Hitotsubashi Summer Institute, European Summer Symposium in Economic Theory, University of Illinois at Urbana-Champaign Microeconomics Seminar, Conference "Econometrics Meets Theory" at NYU, Hitotsubashi (IO/Labor Seminar), Econometric Society

2016 or earlier: International Conference on Experimental Methods in Economics, Conference on Market Design & Micro Theory, Columbia University (Market Design Seminar), 11th Matching in Practice Workshop, NYU, UCLA, Yale, Rice, University of Tokyo, Osaka University, Kyoto University, NSF/CEME Decentralization Conference 2013 at Boston University, "Matching Problems: Economics Meets Mathematics" at the University of Chicago, NSF/NBER Mathematical Economics Conference at the University of Iowa