

Kengo Kato

Curriculum Vitae

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📄 <https://sites.google.com/site/kkatostat/home>

Date: October, 2024

Academic Positions

- 2021-present **Professor**, Department of Statistics and Data Science, Cornell University
Graduate Field Faculty, Statistics, Data Science, Economics
- 2018-2020 **Associate Professor**, Department of Statistics and Data Science, Cornell University
- 2014-2018 **Associate Professor**, Graduate School of Economics, University of Tokyo
- 2013-2014 **Assistant Professor**, Graduate School of Economics, University of Tokyo
- 2009-2013 **Assistant Professor**, Department of Mathematics, Hiroshima University
- 2008-2009 **Research Fellow-DC 2**, Japan Society for the Promotion of Science

Visiting Position

- 2011-2012 **Visiting Scholar**, Department of Economics, MIT
 - Mentor: Victor Chernozhukov

Education

- 2009 **Ph.D. in Economics**, Graduate School of Economics (Statistics Graduate Program), University of Tokyo
 - Advisor: Tatsuya Kubokawa
- 2007 **M.A. in Economics**, Graduate School of Economics (Statistics Graduate Program), University of Tokyo
- 2005 **B.A. in Economics**, Department of Economics, University of Tokyo

Awards and Honors

- 2024 **Fellow**, Institute of Mathematical Statistics
- 2023 **Research Excellence Award**, Cornell Bowers CIS
- 2021 **Analysis Award**, Mathematical Society of Japan (300,000 JPY)
- 2020 **Japan Academy Medal**, Japan Academy (Japanese equivalent of the National Academy of Sciences)
- 2020 **JSPS Prize**, Japan Society for the Promotion of Science (1.1 million JPY)
- 2017 **Research Achievement Award**, Japan Statistical Society

Grants

- 2024-2026 **NSF DMS-2413405**, PI, \$160,000
- 2022-2025 **NSF DMS-2210368**, PI, \$270,000 (Co-PI: Ziv Goldfeld)
- 2020-2023 **NSF DMS-2014636**, PI, \$100,000
- 2020-2023 **NSF DMS-1952306**, PI, Focused Research Group. Total amount: \$800,000 (joint with Lan Wang, Xuming He, Snigdha Panigrahi, Qi Zheng). Amount awarded to Cornell: \$150,000
- 2018-2021 **JSPS Grant-in-Aid for Scientific Research (C) (18K01539)**, PI, 4,290,000JPY. Terminated in July 2018 because of PI's move to a non-Japanese institute
- 2015-2018 **JSPS Grant-in-Aid for Scientific Research (C) (15K03392)**, PI, 4,420,000JPY
- 2013-2015 **JSPS Grant-in-Aid for Young Scientists (B) (25780152)**, PI, 4,030,000JPY
- 2010-2013 **JSPS Grant-in-Aid for Young Scientists (B) (22730179)**, PI, 3,380,000JPY
- 2008-2009 **JSPS Grant-in-Aid for JSPS Fellows (08J07431)**, PI, 400,000JPY

Research Interests

High-Dimensional/Nonparametric Statistics, Quantile Regression, Statistical Optimal Transport

Publications

Published and Accepted Articles

- [1] Entropic Gromov-Wasserstein distances: stability and algorithms (with G. Rioux and Z. Goldfeld), accepted to *Journal of Machine Learning Research*, 2024.
- [2] Stability and statistical inference for semidiscrete optimal transport maps (with R. Sadhu and Z. Goldfeld), accepted to *Annals of Applied Probability*, 2024.
- [3] Limit theorems for entropic optimal transport maps and Sinkhorn divergence (with Z. Goldfeld, G. Rioux, and R. Sadhu), *Electronic Journal of Statistics* **18**, 2024, 980–1041.
- [4] Statistical inference with regularized optimal transport (with Z. Goldfeld, G. Rioux, and R. Sadhu), *Information and Inference* **13**, 2024.
- [5] Limit distribution theory for smooth Wasserstein distances (with Z. Goldfeld, S. Nietert, and G. Rioux), *Annals of Applied Probability* **34**, 2024, 2447–2487.
- [6] Limit distribution theory for f-divergences (S. Sreekumar and Z. Goldfeld), *IEEE Transactions on Information Theory* **70**, 2024, 1233–1267.
- [7] Gaussian approximation and spatially dependent wild bootstrap for high-dimensional spatial data (with D. Kurisu and X. Shao), *Journal of the American Statistical Association* **119**, 2024, 1820–1832.

- [8] Limit Distribution Theory for KL Divergence and Applications to Auditing Differential Privacy (S. Sreekumar and Z. Goldfeld), *ISIT 2023*.
- [9] Statistical, robustness, and computational guarantees for sliced Wasserstein distances (with S. Nietert, R. Sadhu, and Z. Goldfeld), *NeurIPS 2022*.
- [10] High-dimensional data bootstrap (with V. Chernozhukov, D. Chetverikov, and Y. Koike), *Annual Review of Statistics and Its Applications*, 2023.
- [11] Improved Central Limit Theorem and bootstrap approximations in high dimensions (with V. Chernozhukov, D. Chetverikov, and Y. Koike), *Annals of Statistics* **50**, 2022, 2562–2586.
- [12] Stratified incomplete local simplex tests for curvature of nonparametric multiple regression (with Y. Song and X. Chen), *Bernoulli* **29**, 2023, 323–349.
- [13] Inference for high-dimensional exchangeable arrays (with H. D. Chiang and Y. Sasaki), *Journal of the American Statistical Association* **118**, 2023, 1595–1605.
- [14] Berry-Esseen bounds for Chernoff-type non-standard asymptotics in isotonic regression (with Q. Han), *Annals of Applied Probability* **32**, 2022, 1459–1498.
- [15] Smooth p -Wasserstein distance: structure, empirical approximation, and statistical applications (with S. Nietert and Z. Goldfeld), *ICML 2021*.
- [16] Bootstrap inference for quantile-based modal regression (with T. Zhang and D. Ruppert), *Journal the American Statistical Association* **118**, 2023, 122–134.
- [17] Multiway cluster robust double/debiased machine learning (with H.D. Chiang, Y. Ma, and Y. Sasaki), *Journal of Business and Economic Statistics* **40**, 2022, 1046–1056.
- [18] Analysis of networks via the sparse beta-model (with M. Chen and C. Leng), *Journal of the Royal Statistical Society Series B* **83**, 2021, 887–910.
- [19] Asymptotic guarantees for generative modeling based on the smooth Wasserstein distance (with Z. Goldfeld and K. Greenewald), *NeurIPS 2020*.
- [20] Robust inference in deconvolution (with Y. Sasaki and T. Ura), *Quantitative Economics* **12**, 2021, 109–142.
- [21] Limit distributions for smooth total variation and χ^2 -divergence in high dimensions (with Z. Goldfeld), *ISIT 2020*.
- [22] Approximating high-dimensional infinite-order U-statistics: statistical and computational guarantees (with Y. Song and X. Chen), *Electronic Journal of Statistics* **13**, 2019, 4794–4848.
- [23] Quantile regression approach to conditional mode estimation (H. Ohta and S. Hara), *Electronic Journal of Statistics* **13**, 2019, 3120–3160.

- [24] Jackknife multiplier bootstrap: finite sample approximations to the U-process supremum with applications (with X. Chen), *Probability Theory and Related Fields* **176**, 2020, 1097–1163.
- [25] On frequentist coverage errors of Bayesian credible sets in moderately high dimensions (with K. Yano), *Bernoulli* **26**, 2020, 616–641.
- [26] Uniform confidence bands for nonparametric errors-in-variables regression (with Y. Sasaki), *Journal of Econometrics* **213**, 2019, 516–555.
- [27] Bootstrap confidence bands for spectral estimation of Levy densities under high-frequency observations (with D. Kurisu), *Stochastic Processes and Their Applications* **130**, 2020, 1159–1205.
- [28] Randomized incomplete U-statistics in high dimensions (with X. Chen), *Annals of Statistics* **47**, 2019, 3127–3156.
- [29] Inference on causal and structural parameters using many moment inequalities (with V. Chernozhukov and D. Chetverikov), *Review of Economic Studies* **86**, 2019, 1867–1900.
- [30] Uniform confidence bands in deconvolution with unknown error distribution (with Y. Sasaki), *Journal of Econometrics* **207**, 2018, 129–161.
- [31] A simple method to construct confidence bands in functional linear regression (with M. Imaizumi), *Statistica Sinica* **29**, 2019, 2055–2081.
- [32] Valid post-selection inference in high-dimensional approximately sparse quantile regression models (with A. Belloni and V. Chernozhukov), *Journal of the American Statistical Association* **114**, 2019, 749–758.
- [33] Quantile regression for longitudinal data (with A. Galvao). In: *Handbook of Quantile Regression*, 2017.
- [34] High-dimensional quantile regression (with A. Belloni and V. Chernozhukov). In: *Handbook of Quantile Regression*, 2017.
- [35] PCA-based estimation for functional linear regression with functional responses (with M. Imaizumi), *Journal of Multivariate Analysis* **163**, 2018, 15–36.
- [36] Central limit theorems and bootstrap in high dimensions (with V. Chernozhukov and D. Chetverikov), *Annals of Probability* **45**, 2017, 2309–2352.
- [37] Smoothed quantile regression for panel data (with A. Galvao), *Journal of Econometrics* **193**, 2016, 92–112.
- [38] Empirical and multiplier bootstraps for suprema of empirical processes of increasing complexity, and related Gaussian couplings (with V. Chernozhukov and D. Chetverikov), *Stochastic Processes and Their Applications* **126** (special issue in honor of Evarist Giné), 2016, 3632–3651.

- [39] Some new asymptotic theory for least squares series: pointwise and uniform results (with A. Belloni, V. Chernozhukov, D. Chetverikov), *Journal of Econometrics* **187**, 2015, 345–366.
- [40] Uniform post selection inference for LAD regression and other Z-estimation problems (with A. Belloni and V. Chernozhukov), *Biometrika* **102**, 2015, 77–94.
- [41] Anti-concentration and honest, adaptive confidence bands (with V. Chernozhukov and D. Chetverikov), *Annals of Statistics* **42**, 2014, 1787–1818.
- [42] Gaussian approximation of suprema of empirical processes (with V. Chernozhukov and D. Chetverikov), *Annals of Statistics* **42**, 2014, 1564–1597.
- [43] Comparison and anti-concentration bounds for maxima of Gaussian random vectors (with V. Chernozhukov and D. Chetverikov), *Probability Theory and Related Fields* **162**, 2015, 47–70.
- [44] Estimation and inference for linear panel data models under misspecification when both n and T are large (with A. Galvao), *Journal of Business and Economic Statistics* **32**, 2014, 285–309.
- [45] Gaussian approximations and multiplier bootstrap for maxima of sums of high-dimensional random vectors (with V. Chernozhukov and D. Chetverikov), *Annals of Statistics* **41**, 2013, 2786–2819.
- [46] Quasi-Bayesian analysis of nonparametric instrumental variables models, *Annals of Statistics* **41**, 2013, 2359–2390.
- [47] Testing linearity against threshold effects: uniform inference in quantile regression (with A. Galvao, G. Montes-Rojas, J. Olmo), *Annals of the Institute of Statistical Mathematics* **66**, 2014, 413–439.
- [48] Estimation in functional linear quantile regression, *Annals of Statistics* **40**, 2012, 3108–3136.
- [49] Asymptotics for panel quantile regression models with individual effects (with A. Galvao and G. Montes-Rojas), *Journal of Econometrics* **170**, 2012, 76–91.
- [50] Weighted Nadaraya-Watson estimation of conditional expected shortfall, *Journal of Financial Econometrics* **10**, 2012, 265–291.
- [51] Asymptotic normality of Powell’s kernel estimator, *Annals of the Institute of Statistical Mathematics* **64**, 2012, 255–273.
- [52] A note on moment convergence of bootstrap M -estimators, *Statistics and Decisions* **28**, 2011, 51–61.
- [53] Solving ℓ_1 regularization problems with piecewise linear losses, *Journal of Computational and Graphical Statistics* **19**, 2010, 1024–1040.

- [54] A theory of lasso-quantile regression and its application to a non-life insurance problem (in Japanese; with N. Kunitomo and S. Masuda), *Journal of the Japan Statistical Society* **38**, 2009, 121–149.
- [55] Asymptotics for argmin processes: Convexity arguments, *Journal of Multivariate Analysis* **100**, 2009, 1816–1829.
- [56] On the degrees of freedom in shrinkage estimation, *Journal of Multivariate Analysis* **100**, 2009, 1338–1352.
- [57] Improved prediction for a multivariate normal distribution with unknown mean and variance, *Annals of the Institute of Statistical Mathematics* **61**, 2009, 531–542.

Working Papers

- [1] Convergence rates of semidiscrete entropic optimal transport maps (with R. Sadhu), soon to be posted to arXiv.
- [2] Limit laws for Gromov-Wasserstein alignment with applications to testing graph isomorphisms (with G. Rioux and Z. Goldfeld), arXiv:2410.18006.
- [3] Large deviations for dynamical Schrodinger problems. arXiv:2402.05100.
- [4] Limit distribution theory for the smooth 1-Wasserstein distance with applications (with R. Sadhu and Z. Goldfeld), 2021. arXiv:2107.13494.
- [5] Linear programming approach to nonparametric inference under shape restrictions: with an application to regression kink designs (with H. D. Chiang, Y. Sasaki, and T. Ura), 2021. arXiv:2102.06586.
- [6] High dimensional econometrics and regularized GMM (with A. Belloni, V. Chernozhukov, D. Chetverikov, and C. Hansen), 2018. arXiv:1806.01888. A review paper prepared for *Handbook of Econometrics*.
- [7] Detailed proof of Nazarov’s inequality (with V. Chernozhukov and D. Chetverikov), 2017. arXiv:1711.10696.
- [8] Two-step estimation of high dimensional additive models, 2012. arXiv:1207.5313.
- [9] Group Lasso for high dimensional sparse quantile regression models, 2011. arXiv:1103.1458.

Work in Progress (selected)

- [1] Distributed estimation and inference for high-dimensional LAD regression via multi-round aggregation (with T. Zhang), 2022.

Lecture Notes

- [1] Empirical Process Theory. Initial version: 2012. Current version: 2019. 109 pages.
- [2] Advanced Probability for Statisticians, 2019. 153 pages.

[3] Probability Theory (in Japanese), 2016. 331 pages.

[4] Mathematical Statistics (in Japanese), 2018. 202 pages.

Conference and Seminar Presentations

- 2025 University of Washington, Workshop “Frontiers of Statistical Network Analysis: Inference, Tensors and Beyond” (National University of Singapore), Workshop “Mathematical Statistics in the Information Age” (Vienna)
- 2024 Workshop “Mathematics of Data” (National University of Singapore), MIT, University of Southern California, University of Toronto, Oberwolfach Workshop “Statistics and Learning Theory in the Era of Artificial Intelligence”, University of Tokyo
- 2023 University of Tokyo, National University of Singapore, EcoSta (Waseda University), Princeton University, Harvard University, Boston University, University of Massachusetts at Amherst, Warwick University, London School of Economics, Cambridge University, Yale University
- 2022 Yale University (Economics; online), Queen’s University, Michigan State University (online), University of York (online), EcoSta (online), ICMS Workshop, Cornell University (CAM), IMS International Conference on Statistics and Data Science (Florence, Italy), CMStatistics (London, UK)
- 2021 Princeton University (ORFE; online), University of Marburg and University of Giessen (joint seminar; online), Hausdorff Summer School “High-Dimensional Statistics: Theory and Applications” (University of Bonn; invited lecture), Joint Statistical Meetings (Seattle), Transdisciplinary Econometrics and Data Science Seminar (online), Syracuse University (Economics), University of Wisconsin at Madison (Economics; online), CMStatistics (online)
- 2020 Princeton University (ORFE; canceled), University of California at Davis (online), Workshop “Mathematical and Statistical Challenges in Uncertainty Quantification” (University of Cambridge; canceled), Joint Statistical Meetings (Philadelphia; online), University of Rochester (online), Stanford University (online), The 2020 Joint Meeting of Taipei International Statistical Symposium and ISI Regional Statistics Conference (Taipei; canceled)
- 2019 Vanderbilt University, SETA conference (Osaka University), Joint Statistical Meetings (Colorado), University of Michigan
- 2018 Cornell University (Statistics), University of Illinois at Urbana-Champaign (Statistics and Economics), Chinese University of Hong Kong, Cemmap Workshop “Advances in Microeconometrics” (Academia Sinica), Cornell University (Economics), Rutgers University

- 2017 University of California at San Diego, University of California at Los Angeles, Workshop “Statistical Foundations of Uncertainty Quantification for Inverse Problems” (University of Cambridge), Workshop on Advances in Econometrics (Hakodate), Econometric Society European Meeting (Lisbon), Japanese Joint Statistical Meetings (Nanzan University), National University of Singapore, CMStatistics (London)
- 2016 University of Macau, Econometric Society Asian Meeting (Kyoto), International Indian Statistical Association Conference (Oregon State University), University of Illinois at Urbana-Champaign, Korean Statistical Society Fall Conference (Daejeon), CMStatistics (Seville), London School of Economics
- 2015 Yale University, Japan Statistical Society Spring Meeting (Meiji University), Cemmap Workshop “Advances in Microeconometrics” (Seoul National University), Workshop “Probabilistic Techniques in Modern Statistics” (Oberwolfach), Workshop “New Directions in Stein’s Method” (National University of Singapore), Xiamen University, National University of Singapore, Waseda University, Workshop “New Directions in Quantile Regression” (University of Cambridge)
- 2014 Institute of Statistical Mathematics, Workshop “Self-normalized Asymptotic Theory in Probability, Statistics and Econometrics” (National University of Singapore), Cemmap Workshop “Advances in Microeconometrics” (Hong Kong University of Science and Technology), Econometric Society Asian Meeting (Taipei), IMS-APRM (Taipei), Workshop on Advances in Microeconometrics (Hakone), Seoul National University
- 2013 Econometric Society Asian Meeting (Singapore), Japanese Joint Statistical Meetings (Osaka University), Boston University, Bernoulli Society Satellite Meeting (University of Tokyo), Ritsumeikan University, Nakanoshima Workshop (Osaka University), CFE-ERCIM (London), University College London
- 2012 University of Wisconsin at Milwaukee, Mathematical Society of Japan Spring Meeting (Science University of Tokyo), Seoul National University, IMS-APRM (Tsukuba), Joint Statistical Meetings (San Diego), National University of Singapore
- 2011 Boston University, University of Iowa, Joint Statistical Meetings (Miami), Boston College, Harvard-MIT, CFE-ERCIM (London), University of Tokyo
- 2010 Kyoto University, 16th International Conference on Panel Data (University of Amsterdam), Kyushu University, World Congress of the Econometric Society (Shanghai), Japanese Joint Statistical Meetings (Waseda)
- 2009 Japanese Joint Statistical Meetings (Doshisha)
- 2008 Hiroshima University, Japanese Joint Statistical Meetings (Keio University), Mathematical Society of Japan Autumn Meeting (Tokyo Institute of Technology)
- 2007 Japanese Joint Statistical Meetings (Kobe University), Mathematical Society of Japan Autumn Meeting (Tohoku University)

Professional Service

Editor-in-Chief

2025- Bernoulli

[Associate Editor](#)

2015-2024 Japanese Economic Review

2017-2024 Statistica Sinica

2019-2024 Electronic Journal of Statistics

2022-2024 Bernoulli

2024-2024 Journal of Econometrics

2018-2024 Journal of Business and Economic Statistics

2016-2021 Journal of Statistical Planning and Inference

2013-2017 Journal of the Japan Statistical Society

[Refereeing](#)

Annals of Applied Probability, Annals of Statistics, Annals of the Institute of Statistical Mathematics, Biometrics, Biometrika, Communications in Statistics-Computation and Simulation, Communications in Statistics-Theory and Methods, Computational Statistics and Data Analysis, Econometric Theory, Econometrica, Econometrics Journal, Electronic Journal of Statistics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Machine Learning Research, Journal of Multivariate Analysis, Journal of Statistical Planning and Inference, Journal of the American Statistical Association, Journal of the Japan Statistical Society, Journal of the Royal Statistical Society Series B, JSIAM, Hitotsubashi Journal of Economics, Metrika, National Science Foundation, Proceedings of ISM, Review of Economic Studies, Social Sciences and Humanities Research Society of Canada, Statistica Sinica, Statistical Science, Statistics and Probability Letters

[Others](#)

2010 Program committee for IBIS2010

2012 Session organizer for IMS-APRM 2012

2013 Organizer of 2013 Statistics Summer Seminar (workshop sponsored by the Institute of Statistical Mathematics)

2014 Local organizing committee for Japanese Joint Statistical Meetings (University of Tokyo, 2014)

2016 Program committee for Econometric Society Asian Meeting 2016

2017-2018 IMS Committee on Nominations

2021 Session organizer for Bernoulli-IMS 10th World Congress in Probability and Statistics

2022 Co-organizer of workshop “Quantile regression and data heterogeneity” at the University of Miami

2024 Co-organizer of workshop “Translational Research on Data Heterogeneity” at Washington University

Membership

Japan Statistical Society, Mathematical Society of Japan, Institute of Mathematical Statistics, Econometric Society

Service at Cornell

- Chair Search Committee (Chair), 2022-2023
- Strategic Planning Committee (Chair), 2022-2023
- Statistics PhD curriculum committee (Chair), 2021-2022
- University Hearing and Review Boards, 2021-2022
- Department Faculty Search Committee, 2018-2019, 2019-2020, 2020-2021
- Department Chair Search Committee, 2019-2021
- MPS Admissions Committee, 2020, 2021, 2022, 2023
- House Fellow at Keeton House, 2019-2020

Teaching

Cornell University

- 2024-2025 STSCI 5080 Probability Models and Inference (Fall)
STSCI 6750 Probability II for Statistics (Spring)
- 2023-2024 STSCI 4050/5050 Modern Regression Methods for Data Science (Spring)
- 2022-2023 STSCI 6940 Statistical Optimal Transport (Fall)
STSCI 5999 MPS Project (Spring)
STSCI 6750 Probability II for Statistics (Spring)
- 2021-2022 STSCI 5080 Probability Models and Inference (Fall)
STSCI/MATH 6730 Mathematical Statistics I (Spring)
- 2020-2021 STSCI 5080 Probability Models and Inference (Fall)
STSCI/BTRY/IRLST 3080 Probability Models and Inference (Spring)
STSCI 6750 Probability II for Statistics (Spring)
- 2019-2020 STSCI 5080 Probability Models and Inference (Fall)
STSCI 6750 Probability II for Statistics (Spring)
STSCI 6940 Empirical Process Theory with Applications (Spring)
- 2018-2019 STSCI 5080 Probability Models and Inference (Fall)
STSCI 6940 Advanced Probability for Statisticians (Spring)

University of Tokyo

- 2018 Mathematical Statistics I and II, Probability Theory I
- 2017-2018 Probability Theory I and II, Mathematics I, Multivariate Analysis
- 2016-2017 Mathematical Statistics I and II, Probability Theory I and II

2015-2016 Probability Theory I and II, Mathematics I, Introduction to Empirical Process
2014-2015 Mathematics I, Economic Statistics
2013-2014 Mathematics I, Economic Statistics

Hiroshima University

2009-2013 Topics in Probability and Statistics (Asymptotic Theory), Exercise Classes for Analysis I, II, III (Univariate and Multivariate Calculus) and Probability and Statistics A (Introduction to Measure Theoretic Probability)

Students Supervised

Ph.D.

Advisor

- Masaaki Imaizumi (co-advised with Katsumi Shimotsu), University of Tokyo, Ph.D. in Economics, 2017
Thesis Title: Nonparametric Regression for Complex Data
First Position: Postdoc at the Institute of Statistical Mathematics
- Daisuke Kurisu, University of Tokyo, Ph.D. in Economics, 2018
Thesis Title: Essays on Statistical Inference for Ito-Semimartingales under High-Frequency Observations
First Position: Assistant Professor in the Department of Industrial Engineering and Economics at Tokyo Institute of Technology
- Tao Zhang (co-advised with David Ruppert), Cornell University, Ph.D. in Statistics, 2022
Thesis Title: Topics in Modern Regression Modeling
First Position: Point72 Asset Management
- Ritwik Sadhu, Cornell University, Ph.D. in Statistics, 2024
Thesis Title: Statistical inference for regularized optimal transport
First Position: Postdoc at University of Washington
- Kyuseung Choi, Cornell University, Ph.D. in Statistics, 2026 (expected)

Committee Member

- Yuki Kawakubo, University of Tokyo, Ph.D. in Economics, 2016
- Shonosuke Sugawara, University of Tokyo, Ph.D. in Economics, 2018
- Gabriela Ciolek, Telecom Paris Tech, Ph.D. in Mathematics, 2018
- Harold Chiang, Vanderbilt University, Ph.D. in Economics, 2020
- David Kent, Cornell University, Ph.D. in Statistics, 2023
- Colin Decker, University of Toronto, Ph.D. in Statistics, 2024
- Zhengxin Zhang, Cornell University, Ph.D. in Applied Mathematics, 2025 (expected)
- Gabriel Rioux, Cornell University, Ph.D. in Applied Mathematics, 2025 (expected)

- Jingyi Duan, Cornell University, Ph.D. in Statistics, 2025 (expected)
- Suvadip Sana, Cornell University, Ph.D. in Statistics, 2026 (expected)
- Xiaohan Wang, Cornell University, Ph.D. in Statistics, 2026 (expected)
- Sanghee Kim, Cornell University, Ph.D. in Statistics, 2027 (expected)

Master

Advisor

- Yusuke Amano, University of Tokyo, M.A. in Economics, 2017
- Hirofumi Ota, University of Tokyo, M.A. in Economics, 2018

Personal

- Born: October, 1982
- Marital Status: Married with two children
- Citizenship: Japan (US permanent resident)
- Languages: English (fluent), Japanese (native)