Toru Kitagawa

Professor of Economics
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Department of Economics
Brown University   URL: https://sites.google.com/brown.edu/torukitagawa
Robinson Hall, 64 Waterman Street   ORCID iD: 0000-0001-5550-1281
Providence, RI, 02912, USA   Date of Birth: 09/18/1979
                                                                    (Last updated: 25 June 2024)

Academic Positions

Department of Economics	Professor,	Jul. 2023 – present
Brown University, Providence U.S.	Associate Professor (with tenure),	Sep. 2021 – Jun 2023

Department of Economics	Professor of Economics,	2020 – 2023 (on leave 2021-23)
University College London,	Lecturer,	2009 – 2020
London U.K.		

Center for Microdata Methods and Practice (CeMMAP)   Research staff, Sep. 2009 –
Institute for Fiscal Studies, London U.K.

Grant

- PI, NSF Standard Grant (FAIN 234361)   August 2024 - July 2027
   "Statistical Policy Choice in Dynamic Environments"   ($285,000)

- PI, ERC Starting Grant   (ERC-2016-STG - 715940 - EPP)   February 2017 - January 2022
   "Econometrics for Public Policy: Sampling, Estimation, Decision and Applications" (€1,291,064)

Visiting Positions

- Visiting Associate Professor   January - February 2020
Department of Economics, **University of Milan, Italy**

- Visiting Adjunct Associate Professor   July - August 2023
The Institute of Economic Research, **Hitotsubashi University, Japan**   April, June - August 2019

- Visiting Associate Professor   April 2017 - March 2018
Department of Economics, **Kyoto University, Japan**

- Visiting Research Fellow   February - April 2025
Collegio Carlo Alberto, Italy   March - April 2015

- Visiting Scholar   November 2024
Cowles Foundation for Research in Economics   January - June 2013
Yale University, USA.

Research and Teaching Fields

Econometric Theory, Causal Inference, Bayesian Econometrics, Bayesian Robustness and Ambiguity, Model Selection and Averaging, Treatment Choice Analysis, Statistical Decision Theory, Statistical Learning Theory, Social Learning, Macroeconometrics, Applied Econometrics.

Publications (ordered by acceptance date)

[23] "The Value of Piped Water and Sewers: Evidence from 19th Century Chicago," with Michael Coury, Allison Shertzer, and Matthew Turner, (2024), forthcoming in *Review of Economics and Statistics*.

[22] "Treatment Choice, Mean Square Regret and Partial Identification," with Sokbae Lee and Chen Qiu (2023), *Japanese Economic Review*, Vol. 74 (4) pp. 573-602. DOI: 10.1007/s42973-023-00144-3

[21] "Inference on Winners," with Isaiah Andrews and Adam McCloskey, (2024). *Quarterly Journal of Economics*, Vol. 139 (1) pp. 305-358. DOI: 10.1093/qje/qjad043

[20] "Rejoinder: Narrative Restrictions and Proxies" with Raffaella Giacomini and Matthew Read, (2022), *Journal of Business and Economic Statistics*, Vol. 40 (4) pp. 1438-1441. DOI: 10.1080/07350015.2022.2115710

[19] "Narrative Restrictions and Proxies" with Raffaella Giacomini and Matthew Read, (2022), *Journal of Business and Economic Statistics*, Vol. 40 (4) pp. 1415-1425. DOI: 10.1080/07350015.2022.2115496.

[18] "Inference for Losers," with Isaiah Andrews, Dillon Bowen, and Adam McCloskey, (2022). *Americal Economic Association Papers and Proceedings*, Vol. 112, pp. 635-42. DOI: 10.1257/pandp.20221065

[17] "Who Should Get Vaccinated? Individualized Allocation of Vaccines Over SIR Network," with Guanyi Wang, (2023). *Journal of Econometrics*, Vol. 232 (1), pp. 109-131. DOI: 10.1016/j.jeconom.2021.09.009

[16] "Uncertain Identification," with Raffaella Giacomini and Alessio Volpicella, (2022). *Quantitative Economics*, Vol. 13 (1), pp. 95-123. DOI: 10.3982/QE1671.

[15] "Testing Identifying Assumptions in Fuzzy Regression Discontinuity Designs," with Yoichi Arai, Yu-Chin Hsu, Ismael Mourifie, and Yuanyuan Wan, (2022). *Quantitative Economics*, Vol. 13 (1), pp. 1-28. DOI: 10.3982/QE1367

[14] "The Identification Region of the Potential Outcome Distributions under Instrument Independence", (2021), *Journal of Econometrics*, Vol. 225 (2), pp 231-253. DOI: 10.1016/j.jeconom.2021.03.006

[13] "Non-Bayesian Updating in a Social Learning Experiment," with Roberta De Filippis, Antonio Guarino, and Philippe Jehiel, (2022). (previously titled as "Updating Ambiguous Beliefs in a Social Learning Experiment" with the same co-authors, (2017). Cemmap Working Paper 13/17). *Journal of Economic Theory*, Vol. 199. DOI: 10.1016/j.jet.2021.105188

[12] "Robust Bayesian Inference for Set-Identified Models," with Raffaella Giacomini, (2021), *Econometrica*, Vol. 89(4), pp 1519-1556. DOI: 10.3982/ECTA16773. Merges and replaces two working papers, "Robust Inference about Partially Identified SVARs" (2015, with Raffaella Giacomini) and "Inference for Set Identified Parameters Using Posterior Lower Probabilities" (2012). Awarded the inaugural **Haavelmo Prize** by Econometric Society in 2024.

[11] "Robust Bayesian Inference in Proxy SVARs," with Raffaella Giacomini and Matthew Read, (2022), *Journal of Econometrics*, Vol. 228 (1), pp. 107-126. DOI: 10.1016/j.jeconom.2021.02.003

[10] "Inference After Estimation of Breaks," with Isaiah Andrews and Adam McCloskey, (2021), *Journal of Econometrics*, Vol. 224 (1), pp 39-59. DOI: 10.1016/j.jeconom.2020.07.036

[9] "Posterior Distribution of Nondifferentiable Functions," with José Luis Montiel-Olea, Jonathan Payne, and Amilcar Velez, (2020), *Journal of Econometrics*, Vol. 217 (1), pp 161-175. DOI: 10.1016/j.jeconom.2019.10.009

[8] "Equality-minded Treatment Choice," with Aleksey Tetenov, (2021), *Journal of Business and Economic Statistics*, Vol. 39 (2), pp 561-574. DOI: 10.1080/07350015.2019.1688664

[7] "Information Redundancy Neglect versus Overconfidence: A Social Learning Experiment," with Marco Angrisani, Antonio Guarino, and Philippe Jehiel, (2021), *American Economic Journal: Microeconomics*, Vol. 13, No. 3. pp 163-197. DOI: 10.1257/mic.20180394

[6] "Mostly Harmless Simulations? Using Monte Carlo Studies for Estimator Selection," with Arun Advani and Tymon Słoczyński, (2019), *Journal of Applied Econometrics,* Vol. 34, pp 893-910. DOI: 10.1002/jae.2724

[5] "Who Should Be Treated? Empirical Welfare Maximization Methods for Treatment Choice," with Aleksey Tetenov, (2018), *Econometrica,* Vol. 86(2), pp 591-616. DOI: 10.3982/ECTA13288

[4] "Model Averaging in Semiparametric Estimation of Treatment Effects," with Chris Muris, (2016), *Journal of Econometrics*, Vol. 193 (1), pp 271–289. DOI: 10.1016/j.jeconom.2016.03.002

[3] "A Test for Instrument Validity", (2015) (previously titled as "A Bootstrap Test for Instrument Validity in the Heterogeneous Treatment Effect Model"), *Econometrica*, Vol. 83(5), pp 2043-2063. DOI: 10.3982/ECTA11974

[2] "Instrumental Variables Before and LATEr, Comment on 'Instrumental Variables: An Econometrician's Perspective' by Guido Imbens", (2014), *Statistical Science*, Vol. 29, No.3, 359-362. DOI:10.1214/14-STS494

[1] "Estimating Urban Agglomeration Economies for Japanese Metropolitan Areas: Is Tokyo too Large?" with Yoshitsugu Kanemoto, Hiroshi Saito, and Etsuro Shioji, (2006), Atsuyuki Okabe editor, *GIS-based Studies in the Humanities and Social Sciences*, CRC press, Boca Raton, USA, pp. 229-241.

Revise and Resubmit / Working Papers

[wp45] "Bandit Algorithms for Policy Learning: Methods, Implementation, and Welfare Performance," with Jeff Rowley, (2024).

[wp44] "Dynamic Targeting: Experimental Evidence from Energy Rebate Programs," with Takanori Ida, Takunori Ishihara, Koichiro Ito, Daido Kido, Shosei Sakaguchi, and Shusaku Sasaki, (2024), NBER working paper.

[wp43] "Statistical Decision Theory and Empirical Practice," with Timothy Armstrong and Aleksey Tetenov (2024), *Revise and Resubmit, Journal of Political Economy Microeconomics*.

[wp42] "SVARs with breaks: Identification and inference," with Emanuele Bacchiocchi (2024), arXiv.

[wp41] "Partially-Identified Heteroskedastic SVARs," with Emanuele Bacchiocchi, Andrea Bastianin, and Elisabetta Mirto (2024), arXiv, *Submitted*.

[wp40] "Adaptive Experimental Design for Policy Learning," with Masahiro Kato, Kyohei Okumura, and Takuya Ishihara (2024), arXiv.

[wp39] "Optimal Publication Rules for Evidence-Based Policy," with Patrick Vu (2023), arXiv.

[wp38] "Linear Regressions, Shorts to Long," with Masayuki Sawada (2023), Discussion paper, Institute of Economic Research, Hitotsubashi University

[wp36] "Individualized Treatment Allocation in Sequential Network Games," with Guanyi Wang (2023), arXiv, *Submitted*.

[wp35] "Stochastic Treatment Choice with Empirical Welfare Updating," with Hugo Lopéz and Jeff Rowley (2022), arXiv, *Submitted*.

[wp34] "Semiparametric Best Arm Identification with Contextual Information," with Masahiro Kato, Masaaki Imaizumi, and Takuya Ishihara (2023), arXiv.

[wp33] "Treatment Choice with Nonlinear Regret," with Sokbae Lee and Chen Qiu (2023), arXiv. *Submitted*.

[wp32] "Policy Choice in Time Series by Empirical Welfare Maximization," with Weining Wang and Mengshan Xu (2023), arXiv, *Submitted*.

[wp30] "von Mises-Fisher Distributions and Their Statistical Divergence," with Jeff Rowley, (2022), arXiv. *Submitted*.

[wp28] "Choosing Who Chooses: Selection-Driven Targeting in Energy Rebate Programs," with Takanori Ida, Takunori Ishihara, Koichiro Ito, Daido Kido, Shosei Sakaguchi, and Shusaku Sasaki, (2022), NBER working paper, previously titled as "Paternalism, Autonomy, or Both? Experimental Evidence from Energy Saving Programs" *Revise and Resubmit, Econometrica*.

[wp27] "Testing Instrument Validity with Covariates," with Thomas Carr, (2023), arXiv, *Submitted*.

[wp25] "Robust Bayesian Analysis for Econometrics," with Raffaella Giacomini and Matthew Read, (2021), prepared for an Econometric Society monogoraph for the twelfth Econometric Society World Congress 2020, CEPR Discussion Paper 16488.

[wp24] "Evidence Aggregation for Treatment Choice," with Takuya Ishihara, (2021), arXiv. *Submitted*.

[wp23] "Constrained Classification and Policy Learning," with Shosei Sakaguchi and Aleksey Tetenov, (2023), arXiv.

[wp22] "Identification and Inference under Narrative Restrictions," with Raffaella Giacomini and Matthew Read, (2023), arXiv. *Revise and Resubmit, Review of Economic Studies*.

[wp21] "On Global Identification in Structural Vector Autoregressions," with Emanuele Bacchiocchi, (2021), Cemmap Working Paper 03/21. *Submitted*.

[wp19] "Locally- but not Globally-identified SVARs," with Emanuele Bacchiocchi, (2022), arXiv, *Revise and Resubmit, Quantitative Economics*

[wp16] "Estimation Under Ambiguity," with Raffaella Giacomini and Harald Uhlig, (2019), Cemmap Working Paper 24/19. *Submitted*

[wp10] "Measurement Error and Rank Correlations," with Martin Nybom and Jan Stuhler, (2018), Cemmap Working Paper 28/18, *Reject and Resubmit, Review of Economics and Statistics*

Unpublished Manuscripts / Papers in Preparation

[u5] "Boosting for Policy Learning," with Yu-Lin Lin

[u2] "Intersection Bounds, Robust Bayes, Updating Ambiguous Belief," (2011)

[u1] "Testing for Instrument Independence in the Selection Model," (2010)

Education

Ph.D in Economics	**Brown University, Providence RI**	2004-2009
	Thesis: Three Essays in Instrumental Variables	
	Thesis Advisor: Professor Frank Kleibergen	
M.A. in Economics	**The University of Tokyo, Tokyo Japan**	2002-2004
B.A. in Engineering	**The University of Tokyo, Tokyo Japan**	1998-2002

Professional Activities/Other Affiliations

Research Fellow/Affiliates

- Long-term participants at Simons Institute at UC Berkeley, Causality program, January - June 2022
- Affiliate in Yale Research Initiative on Innovation and Scale's (Y-RISE) network on "Evidence Aggregation and External Validity", December 2018 -
- Research Fellow at Institute for Fiscal Studies, London, September 2017 - present.

Editorial Service for Academic Journals

- Associate Editor, *Journal of Applied Econometrics*, January 2025 -
- Associate Editor, *Journal of Business Economics and Statistics*, January 2022 -
- Associate Editor, *Journal of Econometrics*, July 2019 - June 2023.
- Editorial Board Member, *The Review of Economic Studies*, January 2018 - September 2023.
- Associate Editor, *Journal of Econometric Methods*, September 2018 -.
- Co-Editor, *The Japanese Economic Review*, January 2022-, previously Associate Editor (June 2015 - Dec 2021).
- The Editor (with Aleksey Tetenov) of 2023 Special Issue of the *Japanese Economic Review* on "Statistical Decision Theory and Treatment Choice."

Referee Service for Academic Journals

American Economic Review, American Economic Review: Insights, Annals of Applied Statistics, Annals of Economics and Statistics, Australian & New Zealand Journal of Statistics, Biometrika, Demography, Econometric Reviews, Econometric Theory, Econometrica, Econometrics Journal, Economics Journal, Electronic Journal of Statistics, Experimental Economics, The Japanese Economic Review, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Applied Statistics, Journal of Business and Economic Statistics, Journal of Econometric Methods, Journal of Econometrics, Journal of European Economic Association, Journal of Machine Learning Research, Journal of Macroeconomic

Dynamics, Journal of Political Economy, Journal of Regional Science, Journal of the Royal Statistical Society: Series B, Labour Economics, Mathematical Reviews, Oxford Bulletin of Economics and Statistics, The Proceedings of National Academy of Science, Quantitative Economics, Quarterly Journal of Economics, RAND Journal of Economics, Review of Economic Studies, Review of Economics and Statistics, World Development.

The Number of Papers I Reviewed (as an associate editor or referee)
43 (2021), **41** (2020), **34** (2019), **34** (2018), **20** (2017), **27** (2016), **20** (2015), **11** (2014), **9** (2013), **10** (2012), **8** (2011), **2** (2010), **4** (2009).

Review of Grant Applications
Dutch Research Council, Economics and Social Sciences Research Councul in the UK, Engineering and Physical Sciences Research Council in the UK, European Research Council, National Science Foundation, Research Council of Canada.

Professional Talks
Conferences (including scheduled)
2025
- North American Winter Meeting of the Econometrics Society, San Francisco (Jan, discussant)
2024
- EC^2 Conference, Amsterdam (Dec, invited speaker)
- Latin American Meeting of the Econometric Society, Montevideo (Nov, invited speaker)
- Microeconometrics Conference at EIEF, Rome (Sep)
- Teshima conference in Empirical Microeconomics in Kyoto, Japan (Jun)
- The 8th IAER Econometrics Workshop at Dongbei University of Finance and Economics, Dalien, China (Jun, invited speaker)
- Spring Econometrics Conference in Japan, Shirahama (Mar)
- North American Winter Meeting of the Econometrics Society, San Antonio (Jan)
2023
- Southern Economic Association Annual Meeting, New Orleans (Nov)
- The Fall Meeting of Japanese Economic Association, Osaka (Sep, invited speaker as the recipient of Nakazawa Prize)
- Advances in Microeconometrics Conference in Japan, Tokyo (Aug)
- Teshima conference in Empirical Microeconomics in Kyoto, Japan (July)
- North American Summer Meetng of the Econometrics Society, Los Angels (Jun)
- 7th CCER Summer Institute, Beijing, China (Jun, invited keynote)
- African Meeting of the Econometric Society, Nairobi, Kenya (Jun)
- 10th Italian Congress of Econometrics and Empirical Economics, Cagliari, Italy (May)
- Conference on Econometrics in the Era of Machine Learning, Chicago (Mar)
- North American Winter Meeting of the Econometrics Society, New Orleans (Jan)
2022
- Y-RISE conference on Evidence Aggregation and External Validity, Kingston, Jamaica (Dec)
- Southern Economic Association Annual Meeting, Fort Lauderdale (Nov)
- Conference on Frontiers in Machine Learning and Economics: Methods and Applications, Philadelphia (Nov)
- Asian Meeting of the Econometric Society (invited semi-plenary session), Tokyo, Japan (Aug)
- SETA Meeting 2022, Seoul, South Korea (Jul, online)
- IAAE 2022 Conference, London, UK (Jun)
- North American Summer Meetng of the Econometrics Society, Miami (Jun)

- North American Winter Meeting of the Econometrics Society (invited JBES session), Boston (Jan)

2021
- Southern Economic Association Annual Meeting, Houston (Nov)
- European Summer Meeting of the Econometric Society (invited semi-plenary session), Copenhargen (Aug)
- North American Summer Meeting of the Econometrics Society, Montreal (Jun).
- The Cowles Foundation Econometrics (Virtual) Conference (Jun)
- 9th Italian Congress of Econometrics and Empirical Economics, Online (Jan)

2020
- Southern Economic Association Annual Meeting, Online (Nov)
- Econometric Society World Congress, Online (Aug)
- The North American Winter Meeting of Econometric Society, San Diego (Jan)

2019
- 2nd CEMMAP UCL/Vanderbilt Joint Conference, Nashville, USA (Oct)
- Hitotsubashi Summer Institute Workshop on Macroeconomics and Macroeconometrics, Tokyo, Japan (Aug)
- Teshima conference in Empirical Microeconomics in Kyoto, Japan (July)
- Mini-conference in Microeconometrics in Beppu, Japan (Jun)
- Cemmap/WISE conference on Advances in Econometrics, Xiamen, China (Jun)
- Asian Meeting of Econometric Society, Xiamen, China (Jun)
- Robustness in Economics and Econometrics Conference, Chicago, USA (Apr)
- 8th Italian Congress of Econometrics and Empirical Economics, Lecce, Italy (Jan)

2018
- 2018 Fall Meeting of Japanese Economic Association (invited panel discussion on "Machine Learning and Economic Data Analysis"), Tokyo, Japan (Sep)
- Bristol Econometrics Studying Group, Bristol, UK (Jul)
- EcoSta 2018 Conference, Hong Kong (June)
- Mini-conference in Microeconometrics in Dogo, Japan (June)
- Academia Sinica/Cemmap conference on Advances in Econometrics, Taipei, Taiwan (May)
- ENTER Meeting 2018, Toulouse, France (Apr)
- RES Annual Conference, Brighton, UK (Mar)

2017
- 11th International Conference on Computational and Financial Econometrics, London, UK (Dec)
- 2017 Fall Meeting of Japanese Economic Association (invited session), Tokyo, Japan (Sep)
- Econometric Society European Meeting, Lisbon, Portgual (Aug)
- Teshima conference in Empirical Microeconomics in Kyoto, Japan (Aug)
- Mini-conference in Microeconometrics in Hakodate, Japan (Jun)
- North American Summer Meeting of Econometric Society, St. Louis, USA (June)
- Cemmap conference on Regression Discontinuity Designs, London (June)
- Cemmap conference on Advances in Microeconometrics, Shanghai, China (June)
- 12th Tinbergen Institute Conference on Inference Issues in Econometrics, Amsterdam, the Netherlands (May)
- 7th Italian Congress of Econometrics and Empirical Economics, Messina, Italy (Jan)

2016
- 10th International Conference on Computational and Financial Econometrics, Seville, Spain (Dec)
- European Seminar on Bayesian Econometrics 2016, Venice, Italy (Oct)

- Workshop on New Approaches to the Identification of Macroeconomics Models, Oxford, UK (Sep)
- Cemmap conference on Advances in Microeconometrics, Kyoto, Japan (Aug)
- Asian Meeting of Econometrics Society, Kyoto, Japan (Aug)
- Bristol Econometrics Studying Group, Bristol, UK (Jul)
- 13th Meeting of the Society for Social Choice and Welfare, Lund, Sweden (Jun)
- IAAE 3rd Conference, Milan, Italy (Jun)
- Cowles Foundation Annual Summer Conferences, New Haven, USA (Jun)
- Conference on Intergenerational Transmission, Madrid, Spain (May)
- RES Annual Conference, Brighton, UK (Mar)
2015
- Econometric Society World Congress, Montreal, Canada (Aug)
- Cemmap Conference on Recent Advances in Microeconometrics, Seoul (May)
2014
- Conference on Identification in Macroeconomics, Warsaw, Poland (Dec)
- Mini-conference in Microeconometrics in Hakone, Japan (Jun)
- Asian Meeting of Econometrics Society, Taipei, Taiwan (Jun)
- SETA Meeting 2014, Taipei, Taiwan (May)
- Cemmap Conference on Recent Advances in Microeconometrics, Hong Kong (May)
- Warwick Econometrics Conference, Warwick, UK (May)
- Mini-conference on LATE, Pennsylvania State University (Apr)
- EABCN-Bank of England Conference 'Judgement and Combination in Forecasting and Policy Models,' London, UK (Mar)
- Cemmap Conference on Recent Advances in Time Series Econometrics, London, UK (Mar)
2013
- Asian Meeting of Econometrics Society, Singapore (Aug)
- Bristol Econometrics Studying Group, Bristol, UK (Jul)
- Cowles Foundation, Annual Summer Conferences, New Haven, USA (Jun)
- Cemmap/Bank of England Conference on Macroeconometrics, London, UK (Apr)
- Cemmap/PEPA Conference on Program Evaluations, London, UK (Apr)
2012
- The 11th World Meeting of the International Society for Bayesian Analysis, Kyoto, Japan (Invited Session) (Jun)
- Conference on Partial Identification and Statistical Decisions, Cornell University (Apr)
- Cemmap Conference on New Developments in the Use of Random Sets in Economics, London, UK (Apr)
2011
- 4th Annual Conference on Extreme Events in Stavanger, Norway (Aug)
- Cowles Foundation, Annual Summer Conferences, New Haven (Jun)
- RES 2011 Conference (Invited speaker to the Young Talent Session) (Apr)
- Cemmap mini-workshop of Partial Identification and Random Sets (Mar)
2010
- EC^2 21-st Conference, Toulouse, France (Dec)
- 20th Annual Meetings of the Midwest Econometrics Group in St. Louis (Oct)
- Cemmap/CIREQ Conference on Partial Identification and Revealed Preference, Montreal (Sep)
- The 10th World Congress of the Econometric Society, Shanghai (Aug)
- Cowles Foundation, Annual Summer Conferences, New Haven (Jun)
2009
- Far Eastern Meeting of Econometrics Society, Tokyo Japan (Aug)

- CeMMAP/SETA Conference: Semi- and Non-parametric Identification and Inferences, Kyoto Japan (Aug)
- The 4th Ph.D Meeting, Royal Econometric Society, London U.K. (Jan)
2008
- EC^2 19-th Conference, Rome, Italy (Dec)

Invited Seminars/Lectures/Discussion (including scheduled)

2024
Bologna (Apr),
2024
St. Gallen (Dec), FGV Sao Paulo (Oct), Insper (Oct), Philadelphia FED (Oct), LMU Munich (July), KU Leuven (June), Chamberlain Seminar (May, panelist), Harvard/MIT (Apr), Texas A&M (Mar), Ohio State (Mar), Nakahara Foundation (Feb).
2023
Western (Nov), Yale (Nov), University of Tokyo (Aug), Hitotshibashi University (Jul), Chinese University of Hong Kong (Jun), Institute of Economic Research at Sant'Anna School Pisa (May), Royal Holloway University of London (May), University of Toronto (May), Montreal Econometrics Seminar (May), Duke (May), St. Louis Fed (Apr), Brandeis (Mar)
2022
Bank of Italy (Dec), TEDS online seminar (Dec), HKUST (Nov), University of Syracuse (Nov), Online seminar series for time-series econometrics (Oct), University of British Columbia (Oct), Simon Fraser University (Oct), NBER Summer Institute (July, discussant), University of Carlos III, Madrid (Jun), Chamberlain online seminar (Jun, panelist), University of Glasgow (Jun), Northwestern (May), University of Notre Dame (Apr), Indiana University (Mar), UPenn (Mar), UC Berkeley (Mar), UW Madison (Mar).
2021
Pennsylvania State University (Dec), Johns Hopkins University (Dec), Cornell (Nov), NYU (Nov), University of Exeter (Oct), Chinese University of Hong Kong (Oct), Yale (Sep), University of Chicago (May).
2020
University of Bristol (Dec, statistics seminar), International Seminar on Selective Inference (Dec), University of Liverpool (Dec), UC Irvine (Nov), UC Riverside (Nov), SciencesPo (Sep), Chamberlain online seminar (May, discussant), UC Davis (Apr, cancelled), UCLA (Apr, cancelled), Bank of Italy (Mar, cancelled), UCL Econometrics Lunch (Mar), Humbolt University (Feb), University of Bristol (Feb), University of Milan (Jan), NY Fed (Jan).
2019
University of Cambridge (Nov), Uppsala University (Nov), Brown (Nov), Universitat Pompeu Fabra (Nov), Princeton (Sep), Hitotsubashi University Macroeconomics Seminar (Jun), University of Aarhus (May), Hitotsubashi University Statistics Seminar (Apr), University of Groningen (Mar), Georgetown University (Mar).
2018
University of Hong Kong (Sep), University of York (June), LSE (May), UCSD (May), Queen Mary University of London (Apr), Singapore Management University (Mar), Xiamen University (Mar)
2017
CREST (Nov), University of Durham (Nov), Brown (Sep), University of Toronto (Sep), Harvard/MIT (Sep), Kobe University (Aug), Kyoto University (July), University of Tokyo (Jun), EIEF Rome (May), University of Oslo (May), Hitotsubashi University Labor/IO seminar

(Apr), Hitotsubashi University Econometrics seminar (Apr), Monash University (Mar), University of Queensland (Mar, cancelled due to cyclone), University of Technology Sydney (Mar), University of New South Wales (Mar), University of Mannheim (Mar), Universitat Pompeu Fabra (Mar), Central European University (Feb).

2016

University of Bonn (Nov), University of Southampton (Nov), Ca' Foscari University of Venice (Oct), Academia Sinica (Aug), University of Bern (May), University of Southern Denmark (May), Boston College (Apr), Boston University (Apr), Johns Hopkins University (Apr), University of Virginia (Apr), University of North Carolina at Chapel Hill (Apr), Duke (Apr), Brown (Apr), University of Pennsylvania (Apr), CORE (Mar), Cambridge (Mar), CEMFI (Feb), GRIPS (Jan).

2015

Institute for Advanced Studies, Vienna (Nov), University of Carlos III, Madrid (Oct), UCL (Sep), University of Milan (Mar), Collegio Carlo Alberto (Mar), University of Liverpool (Feb), Heriot-Watt University (Feb), National Graduate Institute for Policy Studies (Jan), Academia Sinica (Jan).

2014

Stockholm University (Oct), NYU (Oct), University of Aarhus (Sep), University of Osaka (Jun), Singapore National University (May), Pennsylvania State University (Apr), University of British Columbia (Apr), Simon Frasor University (Apr), University of Amsterdam (Mar), Univeristy of Tokyo (Jan), Hitotsubashi University Theory Seminar (Jan), National Graduate Institute for Policy Studies (Jan), Academia Sinica (Jan).

2013

Hitotsubashi University (Dec), UCL (Dec), Boston College (May), The Bank of Canada (May), Columbia (May), Yale Econometrics Lunch (Apr), Brown (Mar), Yale (Feb)

2012

University of Groningen (Nov), University of St. Gallen (Nov), University of Bristol (Nov), Seoul National University (May), Brown (Apr), NYU (Apr), Harvard/MIT(Apr), Northwestern (Apr), CREST (Feb).

2011

Boston College (Jun).

2010

University of British Columbia (Sep), Simon Frasor University, (Sep), Academia Sinica, Taiwan (Aug), CORE, University Catholic Louvain (Mar), Nuffield College, Oxford University (Feb), Academia Sinica, Taiwan (Jan).

2009

Cemmap, University College London (Dec), University of Warwick (Dec), London School of Economics (Nov), Toulouse School of Economics (Nov), Yale (Feb), Cornell (Feb), University of Rochester (Feb), Ohio State University (Feb), University of Iowa (Jan), University of Pennsylvania (Jan), University of Texas, Austin (Jan), University College London (Jan)

2007

Center of Statistical Science, Brown University (Nov)

Teaching Experience

- "Introduction to Econometrics," Undergraduate introductory course on econometrics at Brown University, Spring 2023.

- "Applied Econometrics," 2nd-year PhD course at Brown University, Fall 2022 -.

- "Mathematical Econometrics II," advanced undergraduate course at Brown University, Spring 2022.

- "Econometric Methods," Ph.D first-year course at Brown University, Spring 2022 -.

- "Bayesian Econometrics," PhD course at University of Milan, Winter 2020.

- "Advanced Econometrics," MRes course at University College London, Fall 2017 - Winter 2020.

- "Financial Econometrics," MSc Program of Finance, University College London, Fall 2017 - Fall 2020.

- "Microeconometrics for Public Policy," PhD-level topic course at Kyoto University, Summer 2017, 2018.

- "Applied Econometrics," 2nd-year PhD course at Yale University, Spring 2013.

- "Econometrics for Policy," MSc Program in Economic Policy, University College London. Fall 2010 - Fall 2016.

- "Microeconometrics," 3rd-year module in the undergraduate Economics Program, University College London. Fall 2009 - Fall 2019.

- "Econometrics for Macroeconomics and Finance," 3rd-year module in the undergraduate Economics Program, University College London. Spring 2010.

- Teaching Assistant for "Intermediate Econometrics," Undergraduate program, Brown University. Fall 2007 & Spring 2009.

- Teaching Assistant for "Graduate Core Econometrics," PhD program in Economics, Brown University. Spring 2008.

Post-doc supervision / Ph.D-thesis supervision / committee
- Juan Yamin Silva (main supervisor, Brown), 2023 –
- Gyungbae Park (main supervisor, Brown), 2022 –
- Nadja van 't Hoff (external thesis examiner, University of Southern Denmark), 2024, ⟶ Postdoc. at University of Southern Denmark
- Thomas Stringham (external thesis examiner, University of Toronto), 2023, ⟶ STATA Corporations
- Patrick Vu (thesis committee, Brown), 2021-24, ⟶ Assist. Prof. at the University of New South Wales
- Vincent Starck (thesis committee, Brown), 2021-23, ⟶ Assist. Prof. at LMU Munich
- Tommaso Coen (main supervisor, Brown), 2021-24 ⟶ Postdoc. at Bocconi University
- Chen Qiu (ERC-post doc, UCL), 2021 ⟶ Assist. Prof. at Cornell University
- Guanyi Wang (1st supervisor, UCL), 2019 –
- Shosei Sakaguchi (ERC-post doc, UCL), 2018 – 2021, ⟶ Assist. Prof. at the University of Tokyo
- Riccardo D'Adamo (2nd supervisor, UCL), 2017 – 2023, ⟶ Assist. Prof. at the University of Bristol
- Silvia Sarpietro (2nd supervisor, UCL), 2016 – 2021, ⟶ Assist. Prof. at the University of Bologna
- Jeff Rowley (2nd supervisor, UCL), 2014 – 2023

- Zvezdomir Todorov, (external thesis examiner, McMaster Univeristy), 2020
- Florian Gunsilius (thesis committee, Brown University), 2019, ⟶ Postdoc at MIT and Assist. Prof. at University of Michigan
- Dongwoo Kim (2nd supervisor, UCL), 2015 – 2019, ⟶ Assist. Prof. at Simon Fraser University
- Cristina Galdani (thesis examiner, UCL), 2017, ⟶ Assist. Prof. at Toulouse School of Economics

Confrence and Seminar Organizations
- July 2024, Bravo/SNSF workshop on "Using data to make decisions 2024" at Brown University
- June 2024, Academic program committee member, 11th IAAE conference, Thessaloniki, Greece
- March 2024 Spring Econometrics Conference in Japan at Shirahama, Japan
- Dec 2023, Academic program committee member, EC^2 conference, Manchester, UK
- Oct 2023, Co-organizer, Greater NY Econometrics Colloquim at Brown University
- August 2023, Hot Spring Conference on Econometrics in Japan at University of Tokyo
- July 2023, Bravo/JEA/SNSF workshop on "Using data to make decisions," at Brown University
- June 2023, Academic program committee member, 10th IAAE conference, Oslo, Norway
- September 2022, Co-organizer, Bravo Center/PSTC workshop on Economics and Algorithms, at Brown University
- August 2022, Co-organizer, Cemmap/SNU workshop on Advances in Econometrics, Seoul, South Korea
- July 2022, academic program committee member, 9th IAAE conference, London, UK
- January 2022 - present   Co-organizer, Econometrics Seminar Series at Brown University
- August 2021, academic program committee member, EEA/EMES summer meeting, Copenhargen, Denmark
- June 2021, academic program committee member, 8th IAAE conference, Rotterdam, the Netherlands
- August 2020, academic program committee member for the 2020 Annual Congress of the European Economic Association, Rotterdam, the Netherlands
- July 2020, academic program committee member, 7th IAAE conference, London, UK
- December 2019, Co-organizer, Cemmap/UCL/Warwick workshop on Causal Learning with Interactions, London, UK
- December 2019, academic program committee member, EEA/EMES winter meeting, Rotterdam
- June 2019, Co-organizer, Cemmap/WISE conference on Advances in Econometrics, Xiamen University, Xiamen, China
- March 2019, Co-organizer, Cemmap/UCL workshop on Personalised Treatment: Learning and Decision, Institute for Fiscal Studies, London, UK
- 2018, academic program committee, EEA/EMES summer meeting, Cologne
- 2017, academic program committee, EEA/EMES summer meeting, Lisbon
- April 2016   Co-organizer, Cemmap workshop on Econometrics for Public Policy: Methods and Applications, Institute for Fiscal Studies, London, UK
- 2013 – present   Programme Committee Member, ESRC Econometric Study Group, University of Bristol, Bristol, UK
- November 2011   Organizer, Cemmap Mini-workshop on Partial Identification and Random Sets, Institute for Fiscal Studies, London, UK
- 2010 September – 2012 June   Co-organizer, Cemmap Seminar Series

Scholarship and Honors

Haavelmo Prize (best econometrics paper published in *Econometrica* in 4-years)	Apr. 2024
Nakahara Prize (prize for best Japanese economics researcher under age 45)	Jan. 2023
Fellow, *Journal of Econometrics*	Dec. 2022
Best MRes Lecturer Award in Economics at UCL	April 2018
Visiting Fellowship, Collegio Carlo Alberto	Mar.-Apr. 2015
Merit Dissertation Fellowship, Department of Economics, Brown University	Fall 2008
Summer Dissertation Fellowship, Department of Economics, Brown University	Jun.-Jul. 2008
Merit Dissertation Fellowship, Department of Economics, Brown University	Spring 2008
Umezawa-Stoltz Award for an outstanding third-year paper, Department of Economics, Brown University.	May 2007
Japan-IMF Scholarship Program for Advanced Studies	2004-2005