

## IVÁN FERNÁNDEZ-VAL

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### ACADEMIC POSITIONS

01/2026-06/2026	Visiting Professor of Economics, CEMFI
09/2022-06/2028	Affiliated (courtesy) appointment, Faculty of Computing and Data Sciences, Boston University
2017-present	Professor of Economics, Department of Economics, Boston University
Spring 2019	Visiting Professor of Economics, NYU
Winter 2019	Visiting Professor of Economics, CEMFI
Fall 2018	Visiting Professor of Economics, UCL
2010-2017	Associate Professor of Economics, Department of Economics, Boston University
Spring 2012	Visiting Associate Professor of Economics, NYU
Fall 2011	Visiting Associate Professor of Economics, CEMFI
Summer 2011	Visiting Associate Professor of Economics, EIEF
Spring 2010	Visiting Assistant Professor of Economics, CEMFI
2005-2010	Assistant Professor of Economics, Department of Economics, Boston University

### EDUCATION

Ph.D. in Economics, Massachusetts Institute of Technology, 2005  
M.A. in Economics and Finance, Centro de Estudios Monetarios y Financieros (CEMFI), 2000  
B.A. in Economics, Universidad del País Vasco, 1998  
B.A. in Statistics, Universidad de Zaragoza, 1993

Ph.D. Thesis Title: “3 Essays on Nonlinear Panel Data Models and Quantile Regression Analysis”  
Thesis Committee: Joshua Angrist, Victor Chernozhukov, Whitney Newey  
Master Thesis Title: “Household Labor Supply: Evidence for Spain”  
Advisor: Pedro Mira

### RESEARCH INTERESTS

Econometric Theory, Applied Econometrics, Labor Economics

### HONORS, FELLOWSHIPS, AND AWARDS

1998 – 2000	Banco Bilbao Vizcaya Fellowship at CEMFI
2000 – 2002	Fundación Caja Madrid Fellowship at MIT
2002 – 2005	Fundación Ramón Areces Fellowship at MIT
2000	Extraordinary Prize of 1998-2000 Class at CEMFI
2016	The Neu Family Award for Teaching Excellent in Economics, Boston University
2018	British Academy's Visiting Fellowship Award
2021	Fellow of the Journal of Econometrics
2023	Fellow of International Association for Applied Econometrics (IAAE)

## RESEARCH GRANTS

2008 – 2011	NSF grant SES-0752266, "Collaborative Research: Research on Distributional and Quantile Methods in Econometrics," with V. Chernozhukov
2011 – 2014	NSF grant SES-1060809, "Collaborative Research: Nonparametric Distributional and Quantile Methods in Econometrics," with V. Chernozhukov
2016 – 2019	NSF grant SES-1559504, "Estimation and Inference in Nonlinear Models with Multidimensional Heterogeneity"

## ACADEMIC ACTIVITIES

Member: Econometric Society, Royal Economic Society

Associate editor for: *Econometric Theory* (March 2014 – March 2017), *Econometrics Journal* (January 2015 – January 2024), *Econometric Reviews* (January 2015 – January 2019), *Journal of Business and Economic Statistics* (September 2015 – September 2018), *Journal of Econometric Methods* (September 2010 – January 2018), *Journal of Econometrics* (January 2019 – March 2024), *Journal of the Spanish Economic Association-SERIEs* (January 2022 – December 2025)

Co-Editor for: *Econometric Theory* (March 2017 – March 2025), *Econometrics Journal* (May 2025 – April 2028)

Referee for: *American Economic Review*, *Annals of Statistics*, *B.E. Journals in Economic Analysis & Policy*, *Biometrika*, *Bulletin of Economic Research*, *Computational Statistics and Data Analysis*, *Econometrics Review*, *Econometric Theory*, *Econometrica*, *Econometrics Journal*, *Economic Journal*, *Economic Letters*, *Economic Modelling*, *Empirical Economics*, *ERC*, *Information Sciences*, *Investigaciones Económicas*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometric Methods*, *Journal of Econometrics*, *Journal of Economic Growth*, *Journal of Labor Economics*, *Journal of Multivariate Analysis*, *Journal of Political Economy*, *Journal of the American Statistical Association*, *Journal of the European Economic Association*, *Journal of the Royal Statistical Society*, *Labour Economics*, *NSF*, *Oxford Bulletin of Economics and Statistics*, *Quantitative Economics*, *Quarterly Journal of Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Scandinavian Journal of Statistics*, *Studies in Nonlinear Dynamics and Econometrics*, *TEST*

Member of the Program Committee of the 2013 North American Winter Meeting of the Econometric Society, San Diego, January, 2013

Member of the Program Committee of the 28<sup>th</sup> European Economic Association (EEA) Annual Congress, Gothenburg, Sweden, August, 2013

Member of the Program Committee of the 29<sup>th</sup> European Economic Association (EEA) Annual Congress, Toulouse, France, August, 2014

Member of the Scientific Committee of the IAAE Conference, 2016-2018

Co-organizer of the BU-BC Green Line Conference in Econometrics, December, 2012-2015

Cofounder of the Econometric ArXiv econ.EM preprint repository, 2017

Member of the Scientific Committee of the International Panel Data Conference, 2019-

Program area coordinator for the field of Econometrics: Panel and Network Data, Econometric Society 2020 World Congress

Moderator of the ArXiv econ.EM domain, 2020-2022

Member of the Scientific Committee of the (EC)<sup>2</sup> Conference, 2025

## **TEACHING EXPERIENCE**

BU	Empirical Economic Analysis 2 (EC 304), Undergraduate Program, Fall 2014, Spring 2018, 2020 Introduction to Econometrics (EC 414), Undergraduate Program, Spring 2006 Statistics for Economics (EC 507), Masters Program, Fall 2005, 2009, 2010; Spring 2007-2009 Advanced Statistics for Economists (EC 707), Graduate Program, Fall 2006-2010, 2012-2017, 2019-2024 Advanced Econometrics I (EC 708), Graduate Program, Spring 2011 Advanced Econometrics II (EC 709), Graduate Program, Fall 2015-2016, 2020, 2024 Advanced Topics in Econometrics (EC 711), Graduate Program, Spring 2008-2010, 2013-2018, 2020, 2022-2024
NYU	Advanced Topics in Econometrics II (G31.3002-04), Graduate Program, Spring 2012, 2019
CEMFI	Statistical Methods in Econometrics, Graduate Program, Fall 2011 Econometrics, Graduate Program, Spring 2010, 2019
MIT	Time Series (14.384), Graduate Program, Teaching Assistant to Professor Tiemen Woutersen, Fall 2003 Microeconomics II (14.122), Graduate Program, Teaching Assistant to Professor Glenn Ellison, Fall 2002

## PRESENTATIONS IN CONFERENCES

2003 Econometric Society North American Winter Meeting, San Diego, January

2006 Econometric Society North American Winter Meeting, Boston, January

2007 Econometric Society North American Winter Meeting, Chicago, January  
Microeometrics: Measurement Matters, CEMMAP, London, June

2008 Econometric Society North American Winter Meeting, New Orleans, January  
Inference in partially identified models with applications, CEMMAP, London, March  
Nonsmooth Inference, Analysis, and Dependence, University of Gothenburg, June  
Inference with Incomplete Models, CIREQ, Montreal, October  
XXI Symposium Moneda y Credito: Economic Policy Evaluation (Discussant), Madrid, November

2009 Econometric Society North American Winter Meeting, San Francisco, January  
CEMMAP/ESRC Econometrics Study Group Workshop on Quantile Regression, London, June  
Econometric Society North American Summer Meeting, Boston, June  
Panel Data Conference, Bonn, July  
The 57th ISI World Statistics Congress, Durban, August  
Econometric Society European Summer Meeting, Barcelona, August

2010 Panel Data Conference, Amsterdam, July  
Econometric Society World Congress, Shanghai, August  
Cowles Commission/CEMMAP/Guanghua School of Management Advancing Applied Microeconomics Conference, Beijing, August

2011 Econometric Society North American Winter Meeting, Denver, January  
The Econometrics of Demand, CEME Conference, MIT, Cambridge, May  
4th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computing & Statistics, London, December

2012 CIREQ Econometrics Conference: High-Dimensional Problems in Econometrics, Montreal, May  
Mini-Workshop: Frontiers in Quantile Regression, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach, December

2013 The 59th ISI World Statistics Congress, Hong Kong, August  
Demand Estimation and Modelling, CEMMAP Conference, Boston College, December

2014	CEME Conference on Inference in Nonstandard Problems, Princeton University, June The Econometric Study Group Annual Conference, University of Bristol, July The 68th European Meeting of the Econometric Society, Toulouse, August
2015	Econometric Society North American Winter Meeting, Boston, January Workshop 'Pietro Balestra' on Recent Developments in Panel Data Econometrics, Lugano, June Econometrics Summer Workshop, University of Warwick, June IAAE 2015 Annual Conference, Thessaloniki, June Econometric Society World Congress, Montreal, August
2016	UvA-Econometrics Panel Data Workshop, Amsterdam, March Conference on Networks, UC-Berkeley, November New Challenges on New Data in Finance and Economics, Toronto, November
2017	Cambridge INET and CeMMAP Panel Data Workshop, Cambridge, UK, May The 70th European Meeting of the Econometric Society, Lisbon, August
2018	New Frontiers in Econometrics: Sponsored by the University of Connecticut, Stamford, June
2019	Royal Economic Society (RES) Annual Conference, invited speaker, University of Warwick, April 2019 Conference Celebrating Whitney Newey's Contributions to Econometrics, MIT, May Machine Learning for Economics, invited speaker, Summer Forum, Barcelona GSE, Barcelona, June 25 <sup>th</sup> International Panel Data Conference, keynote speaker, Vilnius, July Interactions Conference: Bringing Together Econometrics and Applied Microeconomics, discussant, University of Chicago, October Brazilian Econometric Society Meeting, invited speaker, Sao Paolo, December
2020	The 2020 ASSA Annual Meeting, San Diego, January CIREQ Econometrics Conference: Recent Advances in Microeconomics, invited speaker, Montreal, May (cancelled) The 2020 Latin American Workshop in Econometrics, invited speaker, Guayaquil, Ecuador, May (cancelled) Econometric Society World Congress, Milan, virtual, August
2021	Virtual workshop in Micro-Econometrics, Jinan University, December
2022	The 2022 ASSA Annual Meeting, Boston, January Workshop on Quantile Regression and Data Heterogeneity, University of Miami, February CIREQ Econometrics Conference: Recent Advances in Microeconomics, invited speaker, Montreal, May Workshop on New Perspectives for Panel Data, University of York, UK, May

	The 6th IAER Econometrics Workshop, DUFE, June (virtual) Tinbergen Institute Econometrics Workshop, Erasmus University, November
2023	Triangle Econometrics Conference, keynote speaker, University of North Carolina, April Munich Econometrics Workshop, Schloss Fürstenried, Munich, July The 75th European Meeting of the Econometric Society, Barcelona, August
2024	Workshop on Recent Advances in Panel and Network Data, Oxford University, June The Econometric Study Group Annual Conference, University of Bristol, keynote speaker, July
2025	The 2025 Kansas Econometrics Workshop, University of Kansas, April IAAE 2025 Annual Conference, Turin, June 30 <sup>th</sup> International Panel Data Conference, Montpellier, June Workshop on Applied Microeconomics and Panel Data, Cemfi, December
2026	Workshop in Time Series Econometrics, keynote speaker, Zaragoza, March (scheduled)

#### INVITED SEMINARS

2005	Chicago GSB, University of British Columbia, Boston University, Harvard KSG, Universidad de Navarra, LSE, CEMFI, UAB, UPF, Banco de España, University of Chicago, Brown University, Harvard/MIT, Princeton University
2006	Georgetown, Boston University
2007	Boston University, University of Alicante, CEMFI, University Carlos III of Madrid, MIT
2008	Harvard, MIT, Columbia, Ohio State
2009	Syracuse, Berkeley, Northwestern, Wisconsin-Madison, Montreal, UCSD, UCR, Brown, Michigan
2010	CEMFI, Brown, Duke, BU, Connecticut
2011	Georgetown, Boston College, Penn State, Rochester, EIEF, Sciences Po, CEMFI
2012	CEMMAP, Rutgers, UT-Austin, Columbia, Upenn, Virginia, BU
2013	Yale, National University of Singapore, Singapore Management University, Harvard/MIT, Michigan State, Iowa, UCL
2014	Brown, BU, Georgetown, John Hopkins, Columbia, Stanford, Berkeley

2015	Toulouse, Cemfi, Vanderbilt
2016	Tilburg, BU, BU statistics, Harvard/MIT, Maryland, Georgetown, UBC, Simon Fraser, UCL
2017	Warwick, Cemfi, Notre Dame, Chicago Booth, BC, UCSD, UCLA, UC-Irvine, USC, Princeton
2018	NYU, UC-Davis, UCL, Northwestern, Chicago, Bristol, Cambridge, Queen Mary, Oxford, PUC, Chile Central Bank, Surrey, LSE
2019	Cemfi, Erasmus, Banco de España, Emory, Syracuse, Notre Dame, NYU, University Carlos III of Madrid, BU, York, Lancaster
2020	Michigan (virtual)
2021	Virginia, Tsinghua (virtual)
2022	UPF, Cemfi, BU, Oxford, Glasgow (virtual)
2023	Bank of Portugal, UCSB, Ohio State
2024	Emory, Groningen, HKUST, CUKH-SZ, IESR-Jinan, BU, Princeton, NYU, Brown, Warwick, UCL
2025	Brandeis, BU, Georgetown, Cambridge
2026	Manheim (scheduled), LMU (scheduled), Bonn (scheduled), Erasmus (scheduled), Amsterdam (scheduled)

### LECTURES AND SHORT COURSES

June 2010	Invited Lecturer, CIDE Summer School in Econometrics, "Advances in the Econometrics of Panel Data," Bertinoro, Italy
June-July 2014	Invited lecturer, 16 <sup>th</sup> ZEW Summer Workshop for Young Economists, "Advances in Microeconomics and Programme Evaluation," Mannheim, Germany
June 2015	Invited Lecturer, Econometrics Summer Masterclass, University of Warwick
Nov. 2018	Invited Lecturer, Central Bank of Chile
Apr. 2026	Invited Lecturer, Universidad de la Republica Uruguay (scheduled)

### PUBLICATIONS AND WORKING PAPERS

**Publications:**

1. "Household Labor Supply: Evidence for Spain," May 2003, *Investigaciones Económicas* 27(2), pp. 239-275
2. Appendix I in Hahn, J., and W. Newey, "Jackknife and Analytical Bias Reduction for Nonlinear Panel Models," July 2004, *Econometrica* 72(4), pp. 1295-1319
3. "Subsampling Inference on Quantile Regression Processes," May 2005, with V. Chernozhukov, *Sankhya* 67(2), pp. 253-276
4. "Quantile Regression under Misspecification, with an Application to the U.S. Wage Structure," March 2006, with J. Angrist and V. Chernozhukov, *Econometrica* 74(2), pp. 539-563
5. "Fixed Effects Estimation of Structural Parameters and Marginal Effects in Panel Probit Models," May 2009, *Journal of Econometrics* 150(1), pp. 71-85
6. "Improving Estimators of Monotone Functions by Rearrangement," September 2009, with Victor Chernozhukov and Alfred Galichon, *Biometrika* 96(3), pp. 559-575
7. "Rearranging Edgeworth-Cornish-Fisher Expansions," February 2010, with Victor Chernozhukov and Alfred Galichon, *Economic Theory* 42(2), pp. 419-435
8. "Quantile and Probability Curves Without Crossing," May 2010, with Victor Chernozhukov and Alfred Galichon, *Econometrica* 78(3), pp. 1093-1125
9. "Inference for Extremal Conditional Quantile Models, with an Application to Market and Birthweight Risks," April 2011, with Victor Chernozhukov, *Review of Economic Studies* 78(2), pp. 559-589
10. "Bias Corrections for Two-Step Fixed Effects Panel Data Estimators," August 2011, with Frank Vella, *Journal of Econometrics* 163(2), pp. 144-162
11. "Average and Quantile Effects in Nonseparable Panel Models," March 2013, with Victor Chernozhukov, Jinyong Hahn, and Whitney Newey, formerly "Identification and Estimation of Marginal Effects in Nonlinear Panel Models," *Econometrica* 81(2), pp. 535-580, with supplement
12. "The Consequences of Teenage Childbearing: Consistent Estimates When Abortion Makes Miscarriage Nonrandom," September 2013, with Adam Ashcraft and Kevin Lang, *Economic Journal* 123 (571), pp. 875-905, with supplement
13. "Panel Data Models with Nonadditive Unobserved Heterogeneity: Estimation and Inference," November 2013, with Joonhwan Lee, *Quantitative Economics* 4(3), pp. 453-481, with supplement

14. "Inference on Counterfactual Distributions," November 2013, with Victor Chernozhukov and Blaise Melly, *Econometrica* 81(6), pp. 2205-2268, with supplement
15. "ExtrapoLATE-ing: External Validity and Overidentification in the LATE Framework," 2013, with Josh Angrist, in *Advances in Economics and Econometrics: Theory and Applications, Tenth World Congress*, Volume III: Econometrics. Econometric Society Monographs
16. "Quantile Regression with Censoring and Endogeneity," May 2015, with Victor Chernozhukov and Amanda Kowalski, *Journal of Econometrics* 186, pp. 201-221
17. "Nonparametric Identification in Panels using Quantiles," October 2015, joint with Victor Chernozhukov, Stefan Hoderlein, Hajo Holzmann, and Whitney Newey, *Journal of Econometrics* 188 (2), pp. 378-392
18. "Individual and Time Effects in Nonlinear Panel Data Models with Large N, T," May 2016, with Martin Weidner, *Journal of Econometrics* 196, pp. 291-312
19. "Program Evaluation and Causal Inference with High Dimensional Data," January 2017, joint with Alexandre Belloni, Victor Chernozhukov, and Christian Hansen, *Econometrica* 85(1), pp. 233-298, with supplement
20. "Evaluating the Role of Individual Specific Heterogeneity in the Relationship between Subjective Health Assessments and Income," May 2017, joint with Yevgeniya Savchenko and Frank Vella, *Economics & Human Biology* 25, pp. 85-98
21. "Extremal Quantile Regression," joint with Victor Chernozhukov and Tetsuya Kaji, October 2017, in Koenker, R., Chernozhukov, V., He, X. and L. Peng (Eds.), *Handbook of Quantile Regression*, Chapman and Hall/CRC
22. "Fixed Effects Estimation of Large T Panel Data Models," August 2018, with Martin Weidner, *Annual Review of Economics* 10, pp. 109-138
23. "The Sorted Effects Method: Discovering Heterogenous Effects Beyond Their Averages," November 2018, joint with Victor Chernozhukov and Ye Luo, *Econometrica* 86(6), pp. 1911-1938, with supplement
24. "Nonseparable Multinomial Choice Models in Cross-Section and Panel Data," July 2019, joint with Victor Chernozhukov and Whitney Newey, *Journal of Econometrics* 211, pp. 104-116
25. "Conditional Quantile Processes Based on Series or Many Regressors," November 2019, with Alexandre Belloni, Victor Chernozhukov and Denis Chetverikov, *Journal of Econometrics* 213, pp. 4-29, with supplement
26. "Generic Inference on Quantile and Quantile Effect Functions for Discrete Outcomes," March 2020, joint with Victor Chernozhukov, Blaise Melly and Kaspar Wuthrich, *Journal of the American Statistical Association* 115:529, pp. 123-137, with supplement

27. "Semiparametric Estimation of Structural Functions in Nonseparable Triangular Models," May 2020, joint with Victor Chernozhukov, Whitney Newey, Sami Stouli and Francis Vella, *Quantitative Economics* 11(2), pp. 503-533, with supplement
28. "Nonlinear Factor Models for Network and Panel Data," February 2021, joint with Mingli Chen and Martin Weidner, *Journal of Econometrics* 220, pp. 296-324
29. "Fast Algorithms for the Quantile Regression Process," January 2022, joint with Victor Chernozhukov and Blaise Melly, *Empirical Economics* 62, pp. 7-33
30. "Parametric Modeling of Quantile Regression Coefficient Functions with Longitudinal Data," March 2021, joint with Matteo Bottai and Paolo Frumento, *Journal of the American Statistical Association* 116:534, pp. 783-797, with supplement
31. "Low-Rank Approximations of Nonseparable Panel Models," May 2021, joint with Hugo Freeman and Martin Weidner, *Econometrics Journal* 24(2), pp. C40-C77
32. "Shape-Enforcing Operators for Point and Interval Estimators," August 2021, joint with Xi Chen, Victor Chernozhukov, Scott Kostyshak and Ye Luo, *Journal of Machine Learning Research* 22, pp. 1-42
33. "Selection and the U.S. Distribution of Female Hourly Real Wages," formerly "Decomposing Changes in the Distribution of Real Hourly Wages in the U.S.," May 2023, joint with Franco Peracchi, Aico van Vuuren and Francis Vella, *Quantitative Economics* 14(2), pp. 571-607
34. "Nonseparable Sample Selection Models with Censored Selection Rules," March 2024, joint with Aico van Vuuren and Francis Vella, *Journal of Econometrics* 240, 105088
35. "Network and Panel Quantile Effects Via Distribution Regression," March 2024, joint with Victor Chernozhukov and Martin Weidner, *Journal of Econometrics* 240, 105009
36. "Hours Worked and the U.S. Distribution of Real Annual Earnings 1976-2019," June/July 2024, joint with Franco Peracchi, Aico van Vuuren and Francis Vella, *Journal of Applied Econometrics* 39(4), pp. 659-678
37. "Generic Machine Learning Inference on Heterogenous Treatment Effects in Randomized Experiments, with an Application to Immunization in India" July 2025, joint with Victor Chernozhukov, Mert Demirer and Esther Duflo, *Econometrica* 93(4), p. 1121-1164, with supplement
38. "Distribution Regression with Sample Selection, with an Application to Wage Decompositions in the U.K.," December 2025, joint with Victor Chernozhukov and Siyi Luo, *Journal of Political Economy* 133(12), p. 3952-3992, with supplement

#### Working papers:

39. "Dynamic Heterogeneous Distribution Regression Panel Models, with an Application to Labor Income Processes," February 2022, joint with Wayne Gao, Yuan Liao and Francis Vella, second revision invited at *Quantitative Economics*
40. "Marital Sorting, Household Inequality and Selection," joint with Aico van Vuuren and Francis Vella, October 2023, first revision invited at *Journal of Econometrics*
41. "Arellano-Bond LASSO Estimator for Dynamic Linear Panel Models," joint with Victor Chernozhukov, Chen Huang and Weining Wang, February 2024, first revision invited at *Quantitative Economics*
42. "Estimating Causal Effects of Discrete and Continuous Treatments with Binary Instruments," joint with Victor Chernozhukov, Sukjin Han and Kaspar Wuthrich, March 2024, first revision invited at *Econometrica*
43. "Conditional Rank-Rank Regression," joint with Victor Chernozhukov, Jonas Meier, Aico van Vuuren and Francis Vella, July 2024, first revision invited at the *American Economic Review*
44. "Distribution Regression Difference-In-Differences," joint with Jonas Meier, Aico van Vuuren and Francis Vella, September 2024, submitted
45. "Distribution Regression with Censored Selection," joint with Seoyun Hong, May 2025, submitted
46. "Bivariate Distribution Regression; Theory, Estimation and an Application to Intergenerational Mobility," joint with Victor Chernozhukov, Jonas Meier, Aico van Vuuren and Francis Vella, August 2025, first revision invited at *Journal of Applied Econometrics*

#### **PUBLISHED COMMENTS, REPLIES, EDITORIALS AND CONFERENCE PROCEEDINGS**

1. Comment on Casado-Marín, García-Gómez and López-Nicolás's "Labour and Income Effects of Caregiving," 2009, in *Moneda y Crédito* 228, pp. 226-228. Special issue for XXI Moneda y Crédito Symposium on Economic Policy Evaluation
2. "Conditional Quantile Processes Based on Series or Many Regressors," with Alexandre Belloni and Victor Chernozhukov, Report No. 56/2012, Mini-Workshop: Frontiers in Quantile Regression, November 25 – December 1, 2012, Mathematisches Forschungsinstitut Oberwolfach.
3. "Nonparametric Series Quantile Regression: Modeling, Estimation and Inference," joint with Alexandre Belloni and Victor Chernozhukov, *Proceedings 59<sup>th</sup> ISI World Statistics Congress*, 25-30 August 2013, Hong Kong.
4. "Mastering Panel 'Metrics: Causal Impact of Democracy on Growth," May 2019, joint with Shuowen Chen and Victor Chernozhukov, *American Economic Review Papers and Proceedings* 109, pp. 77-82, with supplement.

5. "Reply to: Comments on "Generic Machine Learning Inference on Heterogenous Treatment Effects in Randomized Experiments, with an Application to Immunization in India"," July 2025, joint with Victor Chernozhukov, Mert Demirer and Esther Duflo, *Econometrica* 93(4), pp. 1177-1181
6. Editorial: "Philip G. Wright, directed acyclic graphs, and instrumental variables," joint with Jaap H. Abbring and Victor Chernozhukov, January 2025, *Econometrics Journal* 28(1), pp. 1-20

## SOFTWARE

1. "Rearrangement: Rearrangement in R," February 2016, joint with Wesley Graybill, Mingli Chen and Victor Chernozhukov
2. "Inference on Counterfactual Distributions in Stata," 2013, joint with Victor Chernozhukov and Blaise Melly
3. "Counterfactual Analysis in R," June 2017, joint with Mingli Chen, Victor Chernozhukov and Blaise Melly, *The R Journal* 9:1, pp. 370-384
4. "quantreg.nonpar: An R Package for Performing Nonparametric Series Quantile Regression," December 2016, joint with Michael Lipsitz, Alexandre Belloni and Victor Chernozhukov, *The R Journal* 8:2, pp. 370-381
5. "Probitfe and logitfe: Bias Corrections for Fixed Effects Estimators of Probit and Logit Panel Models with Individual and Time Effects in Stata," September 2017, joint with Mario Cruz-Gonzalez and Martin Weidner, *The Stata Journal* 17(3), pp. 517-545
6. "Censored Quantile Instrumental Variable Estimation with Stata," December 2019, joint with Victor Chernozhukov, Sukjin Han and Amanda Kowalski, *The Stata Journal* 19(4), pp. 768-781
7. "SortedEffects: Sorted Causal Effects in R," June 2020, joint with Shuowen Chen, Victor Chernozhukov and Ye Luo, *The R Journal* 12:1, pp. 131-146
8. "Quantile and distribution regression in Stata: algorithms, pointwise and functional inference," April 2019, with Victor Chernozhukov and Blaise Melly

## DEPARTMENT AND UNIVERSITY SERVICE

2010-2011	Undergraduate instruction committee, Boston University
2005-2010	Junior recruitment committee, Boston University
2005-2011	Masters programs committee, Boston University
2005-	Co-organizer of Econometrics seminar, Boston University
2012-2013	Chair of junior recruitment, Boston University
2013-2014	PhD admissions and financial aids, Newsletter, Boston University

2014-2015	Faculty Council, PhD admissions and financial aids, Newsletter, Boston University
2015-2016	Faculty Council, chair of junior recruitment, Boston University
2016-2017	Faculty Council, BU hub satellite committee, senior faculty appointments, PhD admissions
2017-2018	Faculty Council, senior faculty appointments, PhD admissions, visitors committee, junior faculty mentor, University Council General Education Committee
2019-2020	Faculty Council, visitors committee
2020-2024	Associate Chair of the Department of Economics, chair of lecturer merit/promotion, chair of lecturer appointments
2024-2025	Graduate Instruction Committee, Second-Year PhD Advisor, Master Program Committee, Academic Director of PhD Econometrics, MEAC
2025-2026	Graduate Instruction Committee, Master Program Committee, Academic Director of PhD Econometrics

## PH.D. THESIS SUPERVISION

### Main advisor:

Rodrigo Alfaro, Ph.D. Economics, 2007, Central Bank of Chile  
 Chih-nan Chen, Ph.D. Economics, 2008, Cambridge Health Alliance, Harvard University  
 TszKin (Julian) Chan, Ph.D. Economics, 2015, Bates White LLC  
 Siyi Luo, Ph.D. Economics, 2019, Lime  
 Shuowen Chen, Ph.D. Economics, 2022, Bates White LLC  
 Yunus Kurt, Ph.D. Economics, 2023, Analysis Group  
 Patrick Power, Ph.D. Economics, 2024, Boston University (post-doc)  
 Matthew Hong, Ph.D. Economics, 2025, Capital One  
 Seoyun (Stella) Hong, Ph.D. Economics

### Committee member:

Ai Deng, Ph.D. Economics, 2006, Bates White LLC  
 Mohitosh Kejriwal, Ph.D. Economics, 2007, Purdue University  
 Dukpa Kim, Ph.D. Economics, 2007, University of Virginia  
 Silvia Prina, Ph.D. Economics, 2007, Case Western Reserve University  
 Ricardo Madeira, Ph.D. Economics, 2007, University of Sao Paolo  
 Carlos Chiapa, Ph.D. Economics, 2008, El Colegio de Mexico  
 Josefina Posadas, Ph.D. Economics 2009, The World Bank  
 Yohei Yamamoto, Ph.D. Economics 2009, University of Alberta, School of Business  
 Shinsuke Ikeda, Ph.D. Economics 2010, Graduate Institute of Policy Studies, Tokyo  
 Yunmi Nam, Ph.D. Economics 2010, Korea Information Society Development Institute (KISDI)  
 Tatsushi Oka, Ph.D. Economics 2010, National University of Singapore  
 Linxia Ren, Ph.D. Economics 2011, SAS Institute Inc.  
 Ye Li, Ph.D. Economics 2013, Moody's  
 Wendong Shi, Ph.D. Economics 2013, Renmin University, Beijing  
 Jiawen Xu, Ph.D. Economics 2013, Shanghai University of Finance and Economics  
 Jie Hou, Ph.D. Economics 2014, Capital University of Economics and Management, Beijing  
 Mingli Chen, Ph.D. Economics 2015, University of Warwick, UK

Yuan Tian, Ph.D. Economics 2017, Alibaba, China  
Andres Sagner, Ph.D. Economics 2018, Central Bank of Chile  
Mario Cruz-Gonzalez, Ph.D. Economics 2018, Mass General Hospital, Boston (post-doc)  
Yi Zhang, Ph.D. Economics 2018, Jinan University, China  
Undral Byambadalai, Ph.D. Economics 2021, Stanford University (post-doc)  
Xunkang Tian, Ph.D. Economics, 2024, Eruni Open Research (post-doc), Czech Republic  
Byeo Rhee Bak, Ph.D. Economics, 2025 (expected), Korea Institute of Public Finance (KIPF)  
Yan Liu, Ph.D. Economics, 2025, Kyoto University  
Haoran Pan, Ph.D. Economics  
Zhanyuan Tian, Ph.D. Economics

**External Committee member:**

Lucciano Villacorta, Ph.D. Economics, Cemfi, 2015, Central Bank of Chile  
Hugo Freeman, Ph.D. Economics, UCL, 2023, Michigan State University  
Hyukjun Kwon, Ph.D. Economics, Rutgers University, 2024, Princeton University (post-doc)