

# Víctor M. Quintas-Martínez

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## EDUCATION

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### PhD in Economics and Statistics

Cambridge, MA | 2020–25

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GPA: 5.0/5.0. Dissertation: “Machine Learning for Causal Estimation” under the supervision of Victor Chernozhukov and Whitney Newey.

### MSc in Econometrics and Mathematical Economics

London, UK | 2018–19

LONDON SCHOOL OF ECONOMICS

GPA: 87.25/100. Rank: 1/36.

### BSc in Economics

Barcelona, Spain | 2014–18

UNIVERSITAT POMPEU FABRA

GPA: 9.62/10. Rank: 1/175.

## PUBLICATIONS

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### Multiply-Robust Causal Change Attribution (2024) [↗](#)

WITH T. BAHADORI, E. SANTIAGO, J. MU, D. JANZING AND D. HECKERMAN

*Proceedings of the 41st International Conference on Machine Learning*, Vienna, Austria, PMLR 235, 2024.

### RieszNet and ForestRiesz: Automatic Debiased Machine Learning with Neural Nets and Random Forests (2022) [↗](#)

WITH V. CHERNOZHUKOV, W. NEWAY AND V. SYRGKANIS

Long presentation at ICML 2022 (2% acceptance rate). *Proceedings of the 39th International Conference on Machine Learning*, Baltimore, Maryland, USA, PMLR 162, 2022.

## WORKING PAPERS

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### Automatic Debiased Machine Learning via Riesz Regression (2024) [↗](#)

WITH V. CHERNOZHUKOV, W. NEWAY AND V. SYRGKANIS

### Gender Gaps across the Spectrum of Development: Local Talent and Firm Productivity (2024) [↗](#)

WITH N. ASHRAF, O. BANDIERA AND V. MINNI

Covered in the Financial Times [↗](#)

### Finite-Sample Guarantees for High-Dimensional ML (2022) [↗](#)

## OTHER WORK IN PROGRESS

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Ridge Density Estimation for Panel Correlated Random Effects

Double/Debiased Machine Learning for Distributional Treatment Effects

Double/Debiased Machine Learning Estimation of Local Average Causal Effects with Continuous Treatment and Instrument

## WORK EXPERIENCE

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### **AMAZON** | RESEARCH SCIENCE INTERN

Summer 2023

I developed a robust ML-based methodology for causal change attribution. Together with the Workplace Health and Safety team, we used this methodology to understand what factors contribute to reducing injury rates at Amazon fulfillment centers. As a by-product, we wrote a theory paper describing the methodology and proving its validity for inference.

### **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** | GRADUATE TEACHING ASSISTANT 2022–24

Teaching assistant for 14.32 Econometrics (undergraduate) with Tetsuya Kaji, and for 14.382 Econometrics, 14.387 Applied Econometrics (grad and upper undergrad) with Josh Angrist, and 14.385 Nonlinear Econometrics (graduate) with Alberto Abadie and Whitney Newey. My responsibilities included creating and teaching recitations, holding office hours, providing feedback for written assignments and grading exams. I also developed and taught a mini-course on the basics of programming in Julia, replicability and numerical methods.

### **LONDON SCHOOL OF ECONOMICS** | GRADUATE RESEARCH ASSISTANT

2019–20

Graduate research assistant at the Suntory and Toyota International Centers for Economics and Related Disciplines (STICERD), in the Development Economics department, for the director of the center, Oriana Bandiera, and Professor Robin Burgess. The position involved a variety of tasks, from reviewing the relevant literature and outlining theoretical models to data collection, management and analysis.

### **LONDON SCHOOL OF ECONOMICS** | GRADUATE TEACHING ASSISTANT

2018–20

Teaching assistant for EC210 Macroeconomic Principles with Kevin Sheedy and Ricardo Reis (2018–19) and for EC102 Economics B with Ronny Razin and Francesco Caselli, EC201 Microeconomic Principles with Dimitra Petropoulou and Tim Besley (2019–20). My responsibilities included teaching classes in groups of 15–30 students, holding office hours, providing feedback for written assignments and grading exams.

## PROFESSIONAL ACTIVITIES

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**REFEREE** for *Econometrica* (2021–), *Journal of Econometrics* (2024–) and the Young Economist Symposium 2022.

## FELLOWSHIPS AND AWARDS

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**Jerry Hausman Fellowship** (2023–2024), **MIT Presidential Fellowship** (2020–2021), **Ely Devons Prize for Outstanding Performance in the MSc EME** (2019, awarded to the valedictorian of the MSc EME at LSE), **Premi Extraordinari de Fi d'Estudis** (2018, awarded to the valedictorian of the BSc Economics at UPF).

## SKILLS

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**CODE** Python (including torch & scikit-learn), R, Stata, Julia

**LANGUAGES** Spanish, Catalan (Native), English (Fluent), French, German (Medium)