

# DAVIDE VIVIANO

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## APPOINTMENTS

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Assistant Professor, <i>Department of Economics, Harvard University</i>	2024 -
Postdoctoral Fellow, <i>Department of Economics, Harvard University</i>	2023 - 2024
Postdoctoral Fellow, <i>Stanford Graduate School of Business</i> (sponsored by G. Imbens)	2022 - 2023

## EDUCATION

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Ph.D. in Economics, <i>University of California, San Diego, U.S.A.</i>	2017 - 2022
Committee: G. Elliott (Chair), P. Niehaus, Y. Sun, K. Wüthrich, J. Bradic, J. Fowler	
MSc. in Data Science, <i>Barcelona Graduate School of Economics, Spain</i>	2016 - 2017
BSc. in Economics, <i>Luiiss Guido Carli, Rome, Italy</i>	2013 - 2016
Exchange Program at the <i>University of British Columbia, Vancouver, CA</i>	2015

## FIELDS OF INTEREST

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Theoretical and Applied Econometrics (Primary); Development Economics (Secondary)

## WORKING PAPERS

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Viviano, Davide, Lihua Lei, Guido Imbens, Brian Karrer, Okke Schrijvers, Liang Shi. *Causal clustering: design of cluster experiments under network interference*, [link](#)

Imbens, Guido and Davide Viviano. *Identification and Inference for Synthetic Controls with Confounding*, [link](#)

Viviano, Davide, and Jess Rudder. *Policy design in experiments with unknown interference*, [link](#)

Viviano, Davide, Kaspar Wüthrich and Paul Niehaus. *(When) Should you adjust inference for multiple hypothesis testing?*, [link](#)

Viviano, Davide and Jelena Bradic. *Dynamic covariate balancing: estimating treatment effects over time*, [link](#)

Viviano, Davide. *Experimental Design under Network Interference*, [link](#)

## ACCEPTED OR PUBLISHED PAPERS

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Viviano, Davide. *Policy Targeting under Network Interference*, [link](#) (forthcoming at *Review of Economic Studies*)

Viviano, Davide and Jelena Bradic. *Fair Policy Targeting*, [link](#) (*Journal of the American Statistical Association*)

Viviano, Davide and Jelena Bradic. *Synthetic Learner: Model Free Inference over Time*, [link](#) (*Journal of Econometrics*)

## SCHOLARSHIPS AND AWARDS

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2023 Zellner Thesis Award (best PhD econometric thesis in 2022), <i>Business and Economic Statistics Section of the American Statistical Association</i>	2023
Chae Family Economics Research Award, <i>Harvard University</i>	2023
REStud Tour, <i>The Review of Economic Studies</i>	2022
Walter Heller Memorial Prize (best 3rd Year Paper), <i>UC San Diego</i>	2020
Clive Granger Research Scholarship, <i>UC San Diego</i>	2020
Summer Research Fellowship/RAship, <i>UC San Diego</i>	Summers 2018, 2019, 2021
HPC at UC Award, <i>San Diego Super Computer Center</i>	2020 - 2021
Advancement to Candidacy Fellowship, <i>UC San Diego</i>	a.y. 2020-2021
Graduate Tuition Scholarship and TAsip, <i>UC San Diego</i>	2017 - 2022
Graduate Tuition Fellowship (75%), <i>Barcelona GSE</i>	a.y. 2016-2017
Exchange Program Fellowship, <i>Luiss University</i>	2015

## SOFTWARE

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*NetworkTargeting*: an R-package for estimating who to treat in the presence of spillover effects (joint with Jake Carlson), [link](#)

*DynBalancing*: an R-package for inference on treatment effects over time and high-dimensions, [link](#)

## PROFESSIONAL ACTIVITIES

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### Seminar Presentations

2024/Scheduled Brown (metrics), UNC, Boston University, Microsoft Research, EUI (Florence)

2023 UCLA, Georgetown University, Brown University (applied micro), USC, Stanford Statistics, SFU, UIUC, Columbia, UConn, Cornell, FAO, Harvard Statistics

2022 Princeton, UC Davis, Berkeley, NYU, Northwestern, UChicago, Harvard, UPenn, Notre Dame, Yale, UW-Madison, UCL, McGill, Emory QTM, Queen's University, Microsoft, Pompeu Fabra, PSE, University of Manchester, University of Vienna, Chamberlain Seminar, Penn State, Kyiv School of Economics (online), Ohio State University, Luiss University

2021 NYU Quantitative Methods Workshop

### Conference/workshop Presentations

2024/scheduled Economic Analysis of Science (Oxford), EEA-ESEM (workshop in metrics)

2023 Yale Rise conference, ASSA 2023, Using Data to Make Decisions Workshop (Brown), Econometric Society Summer Meeting, Cowles Conference

2022 Yale-Rise conference, Bringing Together Econometrics and Applied Economics Conference (UW-Madison), SEA, California Econometric Conference, NBER Summer Institute (Labor Studies), Data Science conference (Texas A&M)

2021 Young Economists Symposium (Princeton), EEA-ESEM congress, Center for Causal Inference Symposium (Pardee Rand), Econometric Society North American Summer Meeting, 6th Annual Conference of Networks and Economics, ASSA 2021, EGSR Conference

2020 EGSR Conference, Young Economists Symposium (UPenn, online), Econometric Society World Congress (online)

2019 Causal Learning with Interactions (Cemmap), EGSR Conference

### Referee Service

*American Economic Review*, *AER:Insights*, *Annals of Applied Statistics*, *Biometrika*, *Econometrica*, *Economics Letters*, *Journal of the American Statistical Association*, *Journal of Business Economics and Statistics*, *Journal of Econometrics*, *Journal of Development Economics*, *Journal of Political Economy*, *Quantitative Economics*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *The American Statistician*

**Service in conference committees** EEA-ESEM 2024 (reviewer), SED conference 2024 (reviewer)

## TEACHING EXPERIENCE

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**As instructor at Harvard**

Topics in Econometrics (second year PhD class covering advanced topics in causal inference) 2024

**As a Teaching Assistant at UC San Diego**

Environmental Economics

*Falls 2018, 2019, 2021*

Economic and Business Forecasting

*Winters 2019, 2020, 2021*

Econometrics A and B

*Fall 2020, Springs 2019, 2021, 2022*

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**OTHER POSITIONS HELD**

Visiting Researcher, *Meta Inc.*

*December 2022 - June 2022*

Research Intern, *Meta Inc.*

*Summer 2020*

Research focus: Design/analysis of network experiments; Team: Core Data Science

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**OTHER INFORMATION**

*Computing:* Unix, R, Python, MATLAB, Julia, HTML, LaTeX, SQL.

*Languages:* Italian (Mother Tongue), English (Fluent), Spanish (Fluent), French (Basic).

*Citizenship:* Italian

January, 2024