

Amar Venugopal

PHD CANDIDATE · ECONOMICS

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Education

Stanford University

PHD ECONOMICS; PHD MINOR COMPUTER SCIENCE

- Primary Advisors: Dr. Guido Imbens, Dr. Jann Spiess
- Primary Fields: Econometrics, Causal Inference, Machine Learning, Natural Language Processing

Stanford, CA

Expected 2027

Stanford University

MA ECONOMICS

Stanford, CA

2025

Rutgers University

BS PHYSICS; MINOR IN ECONOMICS, MINOR IN MATHEMATICS

- Primary Advisor: Dr. Stephen Schnetzer
- Primary Field: Experimental Particle Physics
- Thesis: A Search for Charge-1/3 Vector-Like Quark Pair Production in the Fully Hadronic Mode in 13TeV pp Collisions Using CMS Data from the Large Hadron Collider

New Brunswick, NJ

2019

Papers

PUBLICATIONS

Jann Spiess, Guido Imbens, and **Amar Venugopal**. 2023. Double and Single Descent in Causal Inference with an Application to High-Dimensional Synthetic Control. *Advances in Neural Information Processing Systems*. Vol. 36 (NeurIPS 2023). NBER Working Paper 31802.

The CMS Collaboration. 2020. Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. *Physical Review D*. Vol. 102, Iss.11.

WORKING PAPERS

Olivia Martin and **Amar Venugopal**. Participation and Representation in Local Government Speech. arXiv:2604.21202

Omri Feldman, **Amar Venugopal**, Jann Spiess, and Amir Feder. Causal Estimation with Latent Textual Treatments. arXiv:2602.15730

Iman Modarressi, Jann Spiess, and **Amar Venugopal**. Causal Inference on Outcomes Learned from Text. arXiv:2503.00725

Awards, Fellowships, & Grants

2025 **Outstanding TA Award**, Department of Economics, Stanford University

2025 **Data Science Scholar**, Stanford Data Science

2025 **Young Scientist**, 8th Lindau Nobel Meeting in Economic Sciences

2024 **Human-Centered Artificial Intelligence (HAI) Google Cloud Grant**, Stanford University

2023 **Second Year Paper Prize**, Department of Economics, Stanford University

2023 **Machine Learning in Economics Summer Institute 2023 - Admitted Attendee**, Center for Applied Artificial Intelligence, University of Chicago Booth School of Business

2021 **Graduate Fellowship**, Department of Economics, Stanford University

2019 **Henry Rutgers Scholar Thesis Award**, Rutgers University

2017 **Phi Beta Kappa**, Inductee

Conference Presentations

Causal Estimation with Latent Textual Treatments

American Causal Inference Conference (ACIC) 2026. Salt Lake City, UT. May 2026.

AI+Science: Accelerating Discovery. Stanford University. May 2026.

Causal Inference on Outcomes Learned from Text

2026 ESIF Economics and AI+ML Meeting (ESIF-AIML2026). Cornell University. June 2026.

8th Lindau Nobel Meeting in Economic Sciences. Lindau, Germany. August 2025.

Econometrics Society World Congress 2025. Seoul, Republic of Korea. August 2025.

NBER Summer Institute 2025: Frontier Econometric Methods. Cambridge, MA. July 2025.

American Causal Inference Conference (ACIC) 2025. Detroit, MI. May 2025.

Second CAMSE-CLIMB Mini-Conference. U. California Berkeley. February 2025.

Double and Single Descent in Causal Inference with an Application to High-Dimensional Synthetic Control

NeurIPS 2023. New Orleans. December 2023.

Stanford Causal Science Conference. Stanford University. November 2023.

California Econometrics Conference. U. Washington. September 2023.

HDMetrics: Big Data, High-Dimensional Methods, and Machine Learning. U. Illinois Urbana-Champaign. April 2023.

A Search for Fully Hadronic Mode Vector-Like Quark Pair Production in 13 TeV pp Collisions using CMS Data.

April Meeting of the American Physical Society. Columbus, Ohio. April 2018.

Professional Experience

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| 2024 | Summer Intern, Economy Data Science, Roblox, Inc. | <i>San Mateo, CA</i> |
| 2019-2021 | Analyst, Advanced Data Analytics, BlackRock, Inc. | <i>New York, NY</i> |

Teaching Experience

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|-------------|---|--------------------------|
| Winter '26 | Teaching Assistant, Intermed. Econometrics II (Grad) | <i>Stanford, CA</i> |
| Fall '25 | Teaching Assistant, Causality, Decision Making and Data Science (Undergrad) | <i>Stanford, CA</i> |
| Spring '25 | Teaching Assistant, Intermed. Econometrics III: Methods for Applied Econometrics (Grad) | <i>Stanford, CA</i> |
| 2018 - 2019 | Committee Director, Institute for Domestic and International Affairs | <i>New Brunswick, NJ</i> |
| 2017 - 2018 | Rutgers University Arts & Sciences Honors Tutor, Physics, Economics, Mathematics, Statistics | <i>New Brunswick, NJ</i> |