

Naoki Egami

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Columbia University
New York, NY 10027 USA

POSITION **Columbia University**
Assistant Professor, Department of Political Science, 2020 – present

EDUCATION Ph.D. in Politics, Princeton University, 2015 – 2020
 – *John T. Williams Dissertation Prize* awarded by the Society for Political Methodology

B.A. in Liberal Arts, University of Tokyo, 2011 – 2015

Pre-doctoral Fellow, Harvard University, 2018 – 2020

Visiting Undergraduate Student, University of Michigan, Ann Arbor, 2013 – 2014

AREAS OF RESEARCH Political Methodology, Causal Inference, Machine Learning
Comparative Political Behavior

PUBLICATIONS 4. Egami, Naoki. (Forthcoming). “[Spillover Effects in the Presence of Unobserved Networks.](#)” *Political Analysis*.
 – *The John T. Williams Dissertation Prize* awarded for the best dissertation proposal in the area of political methodology.

3. de la Cuesta, Brandon; Naoki Egami; and Kosuke Imai. (Forthcoming). “[Improving the External Validity of Conjoint Analysis: The Essential Role of Profile Distribution.](#)” *Political Analysis*.

2. Dancygier, Rafaela; Naoki Egami; Amaney Jamal; and Ramona Rischke. (Forthcoming). “[Hate Crimes and Gender Imbalances: Fears over Mate Competition and Violence against Refugees.](#)” *American Journal of Political Science*.

1. Egami, Naoki and Kosuke Imai. (2019). “[Causal Interaction in Factorial Experiments: Application to Conjoint Analysis.](#)” *Journal of the American Statistical Association*, Vol.114, No.526 (June), pp. 529–540.

SELECTED WORKING PAPERS 7. Egami, Naoki. “[Identification of Causal Diffusion Effects Under Structural Stationarity.](#)”
 – *The 2019 Gosnell Prize* awarded for the best work in political methodology presented at any political science conference during the preceding year

6. Egami, Naoki and Erin Hartman. “[Elements of External Validity: Framework, Design, and Analysis.](#)”

5. Egami, Naoki and Erin Hartman. “[Covariate Selection for Generalizing Experimental Results.](#)”
Revise and resubmit at *Journal of the Royal Statistical Society, Series A (Statistics in Society)*.

4. Egami, Naoki, and Soichiro Yamauchi. “[How to Improve the Difference-in-Differences Design with Multiple Pre-treatment Periods.](#)”

3. Egami, Naoki; Christian J. Fong; Justin Grimmer; Margaret E. Roberts; and Brandon M. Stewart. “[How to Make Causal Inferences Using Texts.](#)”

2. Chou, Winston; Rafaela Dancygier; Naoki Egami; and Amaney Jamal. “[The Illusion of Radical Right Partisan Loyalty: How Party Positioning Affects Far-Right Voting.](#)” Revise and resubmit at *Comparative Political Studies*.
1. Mebane, Walter R. Jr.; Naoki Egami; Joseph Klaver; and Jonathan Wall. “[Positive Empirical Models of Election Fraud \(that May Also Measure Voters’ Strategic Behavior\).](#)”

STATISTICAL SOFTWARE

1. Naoki Egami; Brandon de la Cuesta; and Kosuke Imai. “factorEx: Design and Analysis for Factorial Experiments.” The Comprehensive R Archive Network. 2019 — present.
2. Egami, Naoki; Marc Ratkovic; and Kosuke Imai. “FindIt: R Package for Finding Heterogeneous Treatment Effects.” The Comprehensive R Archive Network. 2012 — present.

HONORS AND AWARDS

6. *The Gosnell Prize for Excellence in Political Methodology*, “for the best work in political methodology presented at any political science conference during the preceding year,” for “[Identification of Causal Diffusion Effects Under Structural Stationarity](#),” the Society for Political Methodology, 2019.
5. *George Kateb Preceptor Award*, “for one of the best preceptors (teaching assistants) in the Department of Politics”, Princeton University, 2018.
4. Winner of *John T. Williams Dissertation Prize*, “for the best dissertation proposal in the area of political methodology”, the Society for Political Methodology, 2017.
3. Program for Quantitative and Analytical Political Science (Q-APS) Fellowship, Princeton University, 2015 – 2018.
2. *Kenneth W. Gemmill Prize Fellowship in Politics* (“an honorary fellowship in the Department of Politics”), Princeton University, 2015.
1. Graduate Student Fellowship, Princeton University, 2015 — 2020.

INVITED TALKS

14. “Elements of External Validity: Framework, Design, and Analysis.” (November 2020; Scheduled).
Research Workshop in American Politics in Department of Political Science, University of California, Berkeley.
13. “Elements of External Validity: Framework, Design, and Analysis.” (2020)
Guest Lecture at Stanford University, Department of Political Science. October 15, 2020.
12. “Identification of Causal Diffusion Effects Under Structural Stationarity.” (2020; postponed)
Summer Institutes in Computational Social Science, Tokyo, July.
11. “Identification of Causal Diffusion Effects Under Structural Stationarity.” (2020).
Joint Statistical Meetings, Panel on “Novel identification frameworks for causal inference with interference.”
10. “Causal Interaction in Factorial Experiments: Application to Conjoint Analysis.” (2020; cancelled).
The 2020 ICSA China Conference. Panel on Factorial Experiments.
9. “Identification of Causal Diffusion Effects Under Structural Stationarity.” (2020; postponed).
Department of Biostatistics, Columbia University, Mailman School of Public Health.
8. “Causal Interaction in Factorial Experiments: Application to Conjoint Analysis.” (2019).
CFE-CMStatistics 2019. Panel on Factorial Experiments.
7. “Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space.” (2019).
Causal Inference and Data Science Seminar, Waseda University.
6. “Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space.” (2018).
Department of Political Science, Columbia University.

5. "Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space." (2018).
Department of Political Science, University of Chicago.
4. "Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space." (2018).
Department of Political Science, The University of North Carolina at Chapel Hill.
3. "Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space." (2018).
Department of Political Science, University of Wisconsin, Madison.
2. "Unbiased Estimation and Sensitivity Analysis for Network-Specific Spillover Effects: Application to An Online Network Experiment." (2017).
Political Methodology Seminar, New York University.
1. "Unbiased Estimation and Sensitivity Analysis for Network-Specific Spillover Effects: Application to An Online Network Experiment." (2017).
Causal Inference Group, Yale University.

CONFERENCE
PRESENTATIONS

2020:

20. "Causal Inference for Policy Diffusion", Paper presentation at the 2020 Summer Meeting of the Political Methodology Society, University of Toronto, July 14–17, 2020.
19. "Elements of External Validity: Framework, Design, and Analysis", Paper presentation at the 2020 Summer Meeting of the Political Methodology Society, University of Toronto, July 14–17, 2020.

2019:

18. "Experimental Design and Statistical Inference for Conjoint Analysis: The Essential Role of Population Distribution", Paper presentation at the 2019 Summer Meeting of the Political Methodology Society, MIT, July 18–20, 2019.
17. "Covariate Selection for Generalizing Experimental Results", Poster presentation at the 2019 Summer Meeting of the Political Methodology Society, MIT, July 18–20, 2019.
16. "Double Differences-in-Difference: Relaxing Parallel Trends Assumption with Multiple Pre-treatment Periods", Poster presentation at the 2019 Summer Meeting of the Political Methodology Society, MIT, July 18–20, 2019.
15. "Identification of Causal Diffusion Effects Using Stationary Causal Directed Acyclic Graphs", Poster presentation at the 2019 Atlantic Causal Inference Conference, McGill University, May 22–24, 2019.
14. "Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space", Paper presentation at the 2019 Meeting of the Asian Political Methodology Society, Doshisha University, January 6–7, 2019.

2018:

13. "Causal Diffusion Analysis: How Hate Crimes Diffuse Across Space", Paper presentation and Organizer of the panel at the 2018 American Political Science Association Annual Conference, Boston, August 30–September 2, 2018.
12. "Identification of Causal Diffusion Effects Using Stationary Causal Directed Acyclic Graphs", Poster presentation at the 2018 Summer Meeting of the Political Methodology Society, Brigham Young University, July 18–21, 2018.
11. "Unbiased Estimation and Sensitivity Analysis for Network-Specific Spillover Effects: Application to An Online Network Experiment", Paper presentation at the 2018 Atlantic Causal Inference Conference, Carnegie Mellon University, May 22, 2018.
10. "The Illusion of Far-Right Partisan Stability in Germany", Paper presentation at the Center for Study of Democratic Politics Seminar, Princeton University, April 12, 2018.
9. "Covariate Selection for Generalizing Experimental Results", Paper presentation at the 2018 Midwest Political Science Association Annual Conference, Chicago, April 8, 2018.

8. “Unbiased Estimation and Sensitivity Analysis for Network-Specific Spillover Effects: Application to An Online Network Experiment”, Paper presentation at the 2018 Midwest Political Science Association Annual Conference, Chicago, April 7, 2018.

2017:

7. “Causal Interaction in Factorial Experiments: Application to Conjoint Analysis”, Paper presentation at the 2017 American Political Science Association Annual Conference, San Francisco, August 31 — September 3, 2017.
6. “A Placebo Test for Causal Diffusion Analysis”, Poster presentation at the 2017 Summer Meeting of the Political Methodology Society, University of Wisconsin-Madison, July 13–15, 2017.
5. “Causal Interaction in Factorial Experiments: Application to Conjoint Analysis”, NYU CESS 10th Annual Experimental Political Science Conference, February 24, 2017.

2016:

4. “Causal Inference with Multilevel Interference”, Poster presentation at the 2016 Summer Meeting of the Political Methodology Society, University of Rochester, July 22, 2016.
3. “An Experimental Evaluation of Multi-Armed Bandit Algorithms”, Paper presentation at the 2016 Midwest Political Science Association Annual Conference, Chicago, April 7, 2016.

2015:

2. “Causal Interaction in High-Dimension”, Paper presentation at the 2015 Summer Meeting of the Political Methodology Society, University of Rochester, July 23, 2015.

2014:

1. “Positive Empirical Models of Election Fraud (that May Also Measure Voters’ Strategic Behavior)”, Paper presentation at the 2014 Summer Meeting of the Political Methodology Society, University of Georgia, July 26, 2014.

TEACHING

Columbia University:

- Mathematics and Statistics for Political Science, Fall 2020.
- Statistical Theory and Causal Inference, Spring 2021 (scheduled).

Princeton University:

- Quantitative Analysis II (Graduate), Spring 2018, Teaching Assistant.
– Winner of the *George Kateb Preceptor Award*.
- Statistical R camp (Graduate), Winter 2018, Instructor.
- Introduction to Quantitative Social Sciences (Undergraduate), Fall 2017, Teaching Assistant.

University of Tokyo:

- Quantitative Analysis II (Graduate), Summer 2016, Teaching Assistant.

DEPARTMENT

- Founding Faculty Organizer for Columbia Political Methodology Colloquium (a department-level seminar on political methodology), with Andy Gelman and Don Green, 2020 – present.

REFEREE SERVICE

American Political Science Review, American Journal of Political Science, Journal of the American Statistical Association, Journal of Politics, Political Analysis

PROFESSIONAL
SERVICE

- Paper Discussant at the 2020 Summer Meeting of the Political Methodology Society, University of Toronto, July 14–17, 2020.
- The 2020 Committee of the Gosnell Prize awarded for the best work in political methodology presented at any political science conference during the preceding year, The Society for Political Methodology
- Paper Discussant at the 13th Annual NYU CESS Experimental Political Science Conference, New York, March 6, 2020.
- Discussant for the Miller Prize at the 2019 American Political Science Association Annual Conference, Washington, DC, August 29, 2019.
- Paper discussant at the 2019 Summer Meeting of the Political Methodology Society, MIT, July 18–20, 2019.

Last Updated in September 2020