

# KENTARO NAKAMURA

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## EDUCATION

### Harvard University

Ph.D. | *Public Policy* (Politics and Institution Track)

- Affiliation: Institute of Quantitative Social Science (IQSS)

Sep.2023 – Present  
Cambridge, USA

### University of Chicago

Master of Science | *Statistics*

Sep.2021 – Jun.2023  
Chicago, USA

### Waseda University

Bachelor of Arts | Major: *Political Science*, Minor: *Law*, Certificate: *Data Science*

- Best Paper Award (Excellent work at the Category of Mathematical and Statistical Measurement)

Apr.2017 – Sep.2021  
Tokyo, Japan

### George Washington University

Exchange Program

Aug.2019 – May.2020  
Washington D.C., USA

## RESEARCH INTEREST

Causal Inference with Machine Learning, Deep Learning, Political Communication, Political Violence

## PEER-REVIEWED PUBLICATIONS

### Understanding the Impact of Military Service on Support for Insurrection in the United States

*Journal of Conflict Resolution*, with Robert Pape, Keven Ruby, and Kyle Larson [\[URL\]](#)

- Analyzed why and how civilians with prior military experiences are prone to support political violence.

### Balancing Opportunities and Incentives: How Rising China's Mediated Public Diplomacy Changes under Crisis

*International Journal of Communication* [\[URL\]](#)

- Estimated the strategic shift of the rising China's public diplomacy under crisis by machine learning

## SELECTED WORKING PAPERS

### Causal Representation Learning with Generative Artificial Intelligence: Application to Texts as Treatments

*Revise and Resubmit*, with Kosuke Imai [\[URL\]](#)

- Developed new experimental designs to use texts created by deep generative model as a treatment

### Gen-AI Powered Inference

*Under Review*, with Kosuke Imai [\[URL\]](#)

- Proposed a new framework to use the internal representations of deep generative models for statistical inference

### Surrogate Representation Inference for Text and Image Annotations

*Under Review* [\[URL\]](#)

- Proposed a framework to improve efficiency with noisy and partially observed annotations
- Best poster award at the 2025 Meeting of the Society for Political Methodology.

## SELECTED PRESENTATIONS

**Kentaro Nakamura** (2025). "Surrogate Representation Inference for Noisy Text and Image Annotations", *Applied Statistics Workshop, Harvard University*

**Kentaro Nakamura** (2025). "Gen-AI Powered Inference", *2025 Annual Meeting of the American Political Science Association*

**Kentaro Nakamura** (2025, Poster). "Efficient Statistical Inference from Partial and Noisy Annotations: Application to Text-as-Outcome", *2025 Meeting of the Society for Political Methodology*

Kosuke Imai, Kentaro Nakamura (2025). "Gen-AI Powered Inference", *2025 Meeting of the Society for Political Methodology*

Kentaro Nakamura (2025). "Causal Representation Learning with Generative Artificial Intelligence: Application to Texts as Treatments", *Applied Statistics Workshop, Harvard University*

Kosuke Imai, Kentaro Nakamura (2025). "Causal Representation Learning with Generative Artificial Intelligence: Application to Texts as Treatments", *Japanese Society for Quantitative Political Science 2025 Winter Meeting*

Kentaro Nakamura (2024, Poster). "Causal Inference with Unstructured High-Dimensional Treatments using Deep Generative Models: Applications to Images and Texts", *2024 Meeting of the Society for Political Methodology*

Kentaro Nakamura (2023). "Improving Text as Treatment Framework", *Japanese Society for Quantitative Political Science 2023 Summer Meeting*

Kentaro Nakamura, Yuki Mikiya (2023). "International Credibility for Domestic Legitimacy? How Authoritarian Country Coordinated its Narratives during the Crisis", *Southern Political Science Association*

Kentaro Nakamura (2022). "How Rising Powers' Public Diplomacy Changes under Difficulties: the case of China", *Japanese Society for Quantitative Political Science 2022 Winter Meeting*

## SOFTWARE

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### Debriefly

Survey Software for Automated Cognitive Debriefing (Available upon Requests)

### gpi-pack [\[URL\]](#)

Python module for Generative-AI Powered Inference.

## RESEARCH EXPERIENCE

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### Research Assistant of Prof. Gary King

Harvard University

May.2024 – Present  
Cambridge, USA

- Worked on the project of the automated cognitive debriefing (co-author)

### Research Assistant of Prof. Matthew Baum

Shorenstein Center, Harvard Kennedy School

Nov.2023 – Present  
Cambridge, USA

### Data and Causal Inference Analyst

Chicago Projects on Security and Threats (CPOST), University of Chicago

Sep.2022 – Aug.2023  
Chicago, USA

- Designed experiments, discussed identification strategies, and implemented causal mediation analysis

### Research Assistant of Prof. Shuhei Kurizaki

Waseda University

May.2020 – Sep.2021  
Tokyo, Japan

- Conducted the qualitative research on the foreign takeover in Europe (Co-Author since September 2020)

## TEACHING EXPERIENCE

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### Teaching Fellow: GOV2003 (Statistical Models for Quantitative Social Science)

Harvard University

Spring 2026  
Cambridge, USA

- Offered by Prof. Kosuke Imai

### Teaching Fellow: GOV2002 (Causal Inference with Applications)

Harvard University

Fall 2025  
Cambridge, USA

- Offered by Prof. Kosuke Imai

### Teaching Assistant at the Center for Data Science

Waseda University

Sep.2020 – Mar.2021  
Tokyo, Japan

- Checked class materials and answered the questions about Statistics and Machine Learning

## HONORS AND AWARDS

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|---|-----------------------|
| <b>Society of Political Methodology Best Poster Award</b>   | Jul.2025              |
| Best Method Poster presented by graduate students at PolMeth2025 (Emory) <a href="#">[News]</a>         |                       |
| <b>The Institute for Quantitative Social Science (IQSS) Research Grant</b>                              | Apr.2025              |
| Research Grant for Dissertation Research (USD2,000)   |                       |
| <b>The Institute for Quantitative Social Science (IQSS) Research Grant</b>                              | Apr.2025              |
| Research Grant for the joint project with Jing Ling Tan and George Yang (USD2,000)                      |                       |
| <b>Harvard Kennedy School Travel Grant</b>  | Jan.2025              |
| Travel Grant for attending JSQPS2025 Winter Meeting (USD1000)   |                       |
| <b>The Institute for Quantitative Social Science (IQSS) Travel Grant</b>                                | Jul.2024              |
| Travel Grant for attending PolMeth2024 (USD500)   |                       |
| <b>Japanese Student Service Organization Scholarship</b>  | Sep.2023 - Aug.2026   |
| Merit-based scholarship. Partial tuition coverage (JPY 3 million yen) and monthly stipends.             |                       |
| <b>Graduate Council Research &amp; Personal Development Fund, University of Chicago</b>                 | Jan. 2023             |
| Travel Grant for attending SPSA2023 (USD600)  |                       |
| <b>Tuition Fellowship, University of Chicago</b>  | Sep. 2021 - Jun. 2023 |
| Equivalent to 25 percent of my approved tuition. Increased to 30% from 2nd year                         |                       |
| <b>Statistics Consulting Cup Awards</b>   | Dec.2021              |
| Best Prize in the Consulting Program at the Department of Statistics. <a href="#">[News]</a>            |                       |
| <b>NSK Ltd. Scholarship</b>   | Sep.2021 – Jun.2023   |
| Scholarship provided only for top four students in Japan. JPY13,600,000 ≈ USD100,000                    |                       |
| <b>Japanese Student Service Organization Scholarship</b>  | Mar.2021              |
| Declined to accept NSK Scholarship. Merit-based scholarship.  |                       |
| <b>Best Paper Award (Category of Mathematical and Statistical Measurement)</b>                          | Feb.2021              |
| Thesis Competition of the Waseda Association for Political Science and Economics <a href="#">[News]</a> |                       |
| <b>Japanese Student Service Organization Scholarship</b>  | Aug.2019 – May.2020   |
| Merit based scholarship to support exchange program. JPY900,000. ≈ USD7,000                             |                       |

## ACADEMIC SERVICES / DISCUSSANT ROLES

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**Discussant:** SPSA (2023), APSA (2025)

**Reviewer:** Political Analysis, International Studies Quarterly

**Others:** Coordinator of Applied Statistics Workshop, Harvard University (2025-2026)

## SKILLS

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**Languages:** Japanese (Native), English (Fluent), Spanish (B1; Intermediate)

**Programming:** (Proficient) Python(3.X), R, C++ (Rcpp), LATEX, ArcGIS, STATA, HTML / (Experience) C, SQL

## REFERENCES

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Available upon request

*Last updated on January 8, 2026*