KENTARO NAKAMURA

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EDUCATION

Harvard University   Sep.2023 – Present
Ph.D. | *Public Policy* (Politics and Institution Track)   Cambridge, USA
- Affiliation: Institute of Quantitative Social Science (IQSS)

University of Chicago   Sep.2021 – Jun.2023
Master of Science | *Statistics*   Chicago, USA

Waseda University   Apr.2017 – Sep.2021
Bachelor of Arts | *Major: Political Science, Minor: Law, Certificate: Data Science*   Tokyo, Japan
- Best Paper Award (Excellent work at the Category of Mathematical and Statistical Measurement)

George Washington University   Aug.2019 – May.2020
Exchange Program   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
Working paper, with Kosuke Imai [URL]
- Developed new experimental designs to use texts created by deep generative model as a treatment

Gen-AI Powered Inference
Working paper, with Kosuke Imai [URL]
- Proposed a new framework to use the internal representations of deep generative models for statistical inference

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

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

Debriefly
Survey Software for Automated Cognitive Debriefing (Available upon Requests)

gpi-pack [URL]
Python module for Generative-AI Powered Inference.

RESEARCH EXPERIENCE

Research Assistant of Prof. Gary King	May.2024 – Present
Harvard University	Cambridge, USA

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

Research Assistant of Prof. Matthew Baum	Nov.2023 – Present
Shorenstein Center, Harvard Kennedy School	Cambridge, USA

Data and Causal Inference Analyst	Sep.2022 – Aug.2023
Chicago Projects on Security and Threats (CPOST), University of Chicago	Chicago, USA

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

Research Assistant of Prof. Shuhei Kurizaki	May.2020 – Sep.2021
Waseda University	Tokyo, Japan

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

TEACHING EXPERIENCE

Teaching Assistant at the Center for Data Science	Sep.2020 – Mar.2021
Waseda University	Tokyo, Japan

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

HONORS AND AWARDS

Society of Political Methodology Best Poster Award	Jul.2025

Best Method Poster presented by graduate students at PolMeth2025 (Emory) [News]

The Institute for Quantitative Social Science (IQSS) Research Grant	Apr.2025

Research Grant for Dissertation Research (USD2,000)

The Institute for Quantitative Social Science (IQSS) Research Grant	Apr.2025

Research Grant for the joint project with Jing Ling Tan and George Yang (USD2,000)

Harvard Kennedy School Travel Grant	Jan.2025

Travel Grant for attending JSQPS2025 Winter Meeting (USD1000)

The Institute for Quantitative Social Science (IQSS) Travel Grant   Jul.2024
Travel Grant for attending PolMeth2024 (USD500)

Japanese Student Service Organization Scholarship   Sep.2023 - Aug.2026
Merit-based scholarship. Partial tuition coverage (JPY 3 million yen) and monthly stipends.

Graduate Council Research & Personal Development Fund, University of Chicago   Jan. 2023
Travel Grant for attending SPSA2023 (USD600)

Tuition Fellowship, University of Chicago   Sep. 2021 - Jun. 2023
Equivalent to 25 percent of my approved tuition. Increased to 30% from 2nd year

Statistics Consulting Cup Awards   Dec.2021
Best Prize in the Consulting Program at the Department of Statistics. [News]

NSK Ltd. Scholarship   Sep.2021 – Jun.2023
Scholarship provided only for top four students in Japan. JPY13,600,000 $\approx$ USD100,000

Japanese Student Service Organization Scholarship   Mar.2021
Declined to accept NSK Scholarship. Merit-based scholarship.

Best Paper Award (Category of Mathematical and Statistical Measurement)   Feb.2021
Thesis Competition of the Waseda Association for Political Science and Economics [News]

Japanese Student Service Organization Scholarship   Aug.2019 – May.2020
Merit based scholarship to support exchange program. JPY900,000. $\approx$ USD7,000

ACADEMIC SERVICES / DISCUSSANT ROLES

Discussant: SPSA (2023), APSA (2025, scheduled)
Reviewer: Political Analysis, International Studies Quarterly
Others: Coordinator of Applied Statistics Workshop, Harvard University (2024-2025)

SKILLS

Languages: Japanese (Native), English (Fluent), Spanish (B1; Intermediate)
Programming: (Proficient) Python(3.X), R, C++ (Rcpp), LaTeX, ArcGIS, STATA, HTML / (Experience) C, SQL

REFERENCES

Available upon request

Last updated on August 7, 2025