# Seo Eun (Sunny) Yang

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| CONTACT INFORMATION | Network Science Institute<br>360 Huntington Ave,<br>Boston, MA, 02115, USA | se.yang@northeastern.edu<br>www.seoeunyang.com |

APPOINTMENTS

**Northeastern University**, Boston, MA, USA     2023-present

Assistant Professor of Political Science and Communication Studies

**Northeastern University**, Boston, MA, USA     2022-2023

Network Science Institute and Department of Political Science, Postdoctoral Fellow

EDUCATION

**The Ohio State University**, Columbus, OH, USA

Ph.D. in Political Science, August 2022

**University of Rochester**, Rochester, NY, USA

M.S. in Political Science, May 2017

**Korea University**, Seoul, South Korea

M.S. in Statistics, February 2015

B.E. in Statistics and Finance engineering (Double Major), February 2013

PUBLICATION

**Yang, Seo Eun**, James D Wilson, Zhong-Lin Lu, Skyler Cranmer, (2022) "Functional Connectivity Signatures of Political Ideology", *PNAS Nexus*

**Yang, Seo Eun**, Kisung Kim, Jangwon Lee, and Taeryon Choi, (2019)."Bayesian Semiparametric Structural Equation Modeling using Dirichlet process and Splines", *Journal of The Korean Data Analysis Society (JKDAS)*, 21, 2829-2845.

GRANTS AND AWARDS

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| Network Science Institute Seed Grant Program ($10,000) | 2023 |
|    "NeuroRace: The Neural Mechanisms of Biased Evaluations of Political Candidates" | |
| Transforming Interdisciplinary Experiential Research Grant ($50,000) | 2023 |
|    "Artificial Intelligence to unpack the Dynamic Relationships | |
|    between Media Narratives, Foreign Policy, and Public Opinion." | |
| NULab for Texts, Maps, and Networks, Seedling Grant ($2,500) | 2022 |
|    "Automatically uncovering visual dimensions in political communication" | |
| Society for Political Methodology Travel grant | 2019, 2022 |
| Department Grant Award, OSU ($3,350) | 2022 |
| The Best Poster Awards at the Translational Data Analytics (TDAI) | 2021 |
| The Francis R. Aumann Award | 2019, 2021 |
| Perry Scholarship | 2018 |
| Outstanding Student Paper Awards at the Korean Statistical Society | 2014 |
| KT&G Graduate Scholarship | 2013 – 2015 |

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| WORKING PAPER | **Yang, Seo Eun**, Yakov Bart, and Costas Panagopoulos, *"Automatically uncovering visual dimensions in political communication"* | |

**Yang, Seo Eun** and Jungbae An *"Generative AI for US Congressional Bills: Finding the Evolution of Policy Dimensions"*

**Yang, Seo Eun** *"Hypergraph Learning and its application in political science"*

Nelson, Thomas, **Seo Eun Yang**, and Nathaniel Leeson, *"Motivated Reframing."*

**Yang, Seo Eun**, *"Images with Texts: Multimodal Framing Analysis of Online News Coverage via Hypergraph Regularized Tensor decomposition."*

**Yang, Seo Eun**, *"Bayesian Neural Networks: Measuring Uncertainty in Word Embeddings for the Analysis of Ideological Placement in Parliamentary Corpora"*

**Yang, Seo Eun**, *"Bayesian Deep Learning for Identifying Granger Causal Graphs and Forecasting Political Dynamics"*

Jares, Jake, David Primo, David Ross, and **Seo Eun Yang**, *"Does the Political Engagement of Top Managers Affect Firm Performance?"*.

INVITED TALKS

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|---|---|
| Center for Neuropolitics Lecture Series, University of California Irvine | 2023 |
| MIT Roundtable on Integrating Textual with Non-textual Data, MIT | 2023 |

CONFERENCE PRESENTATIONS

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| Society for Political Methodology (PolMeth) | 2023,2022,2020,2019 |
| International society of political psychology | 2022 |
| Politics and Computational Social Science (PaCSS) conference | 2022,2021 |
| Translational Data Analytics (TDAI) Forum | 2021 |
| American Political Science Association | 2021 |
| Midwest Political Science Association | 2021 |
| Political Networks Conference (POLNET) | 2021 |
| Institute of Mathematical Statistics Asia Pacific Rim Meeting | 2014 |
| Korean Statistical Society | 2014 |
| Korean Data Analysis Society | 2014 |

TEACHING

**Northeastern University**
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| Instructor, Quantitative Techniques (POLS 2400) | Spring 2023 |

**The Ohio State University**
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| Instructor, Quantitative Political Analysis II (POLITSC 7552) | Spring 2022 |
| Teaching Assistant, Quantitative Political Analysis I (POLITSC 7551) | Fall 2021 |

**Korea University**
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| Teaching Assistant, Mathematical Statistics (STAT 232) | Spring 2014 |
| Teaching Assistant, Introductory course of probability (STAT 221) | Fall 2013 |