

Hyein Ko

431 David Kinley Hall, 1407 W Gregory Drive, Urbana, IL 61801

Email: hyeink@illinois.edu ◊ Homepage: heyikon.com

ACADEMIC APPOINTMENTS

Postdoctoral Research Associate, University of Illinois Urbana-Champaign 2023 -
Working with PIs Nora Webb Williams and Michael Gabbay (University of Washington) in the
Minerva Research Initiative-funded project on dynamics of authoritarian regime elites.

EDUCATION

Ph.D., Political Science, University of Iowa 2023
Dissertation: A Picture's Worth: Visual Framing, Social Media, and Protest Perceptions
Co-Chairs: Frederick Solt, Bryce J. Dietrich (Purdue University)
Committee Members: Frederick J. Boehmke, William M. Reisinger
External Committee Member: Michelle Torres (UCLA)

MA, Political Science, University of Iowa 2020
MA, Political Science, Ewha Womans University 2018
BA, Economics & Political Science, Ewha Womans University 2016

PEER REVIEWED PUBLICATIONS

Ko, Hyein*, Natalie Jackson, Tracy Osborn, and Michael S. Lewis-Beck. (Forthcoming). "Forecasting Presidential Elections: Accuracy of ANES Voter Intentions" *International Journal of Forecasting*.

Dietrich, Bryce J., **Hyein Ko**, and Payel Sen. 2024. "Stand Up and be Counted: Using Traffic Cameras to Assess Voting Behavior in Real Time." *Research and Politics*, 11(1).
<https://doi.org/10.1177/20531680231216183>

Boehmke, Frederick J., Bruce A. Desmarais, Abbie Eastman, Isabelle Grassel, Jeffrey J. Harden, Samuel Harper, Liam Kaboli, **Hyein Ko**, Elisabeth Oster, and Tracee M. Saunders. 2023. "SPRC19: A Database Tracking US State Policy Responses to COVID-19." *Nature Scientific Data* 10(1): 526-531. <https://doi.org/10.1038/s41597-023-02343-4>

Boehmke, Frederick J., Sam M. Avery, Thomas Dainty, Marissa S. Good, and **Hyein Ko***. 2023. "Did Black Lives Matter Protests Change Public Opinion?" *American Politics Research* 51(6): 683-700.
<https://doi.org/10.1177/1532673X231175625>

Dietrich, Bryce J. and **Hyein Ko**. 2022. "Finding Fauci: How Visual and Textual Information Varied on Cable News Networks During the COVID-19 Pandemic." *Computational Communication Research* 4(1): 135-172. <https://doi.org/10.5117/CCR2022.1.004.DIET>

Kim, Taegyoon, Nitheesha Nakka, Ishita Gopal, Bruce A. Desmarais, Abigail Mancinelli, Jeffrey J. Harden, **Hyein Ko** and Frederick J. Boehmke. 2022. "Attention to the COVID-19 Pandemic on Twitter: Partisan Differences Among U.S. State Legislators." *Legislative Studies Quarterly* 47(4): 1023-1041. <https://onlinelibrary.wiley.com/doi/10.1111/lsq.12367>

* indicates corresponding author

BOOK CHAPTERS

Ko, Hyein and Bryce J. Dietrich. (Forthcoming). “Video-as-Data.” In the *Encyclopedia of Political Communication*, eds. Alex Nai, UK: Edward Elgar Publishing.

MANUSCRIPTS UNDER REVIEW

Hu, Yue, Yuehong Cassandra Tai, **Hyein Ko**, Byung-Deuk Woo, and Frederick Solt. “Support for Democracy Is Multidimensional: Why Unidimensional Latent Variable Measures of Democratic Support Are Invalid.”

Woo, Byung-Deuk, **Hyein Ko**, Yuehong Cassandra Tai, Yue Hu, and Frederick Solt. “Measuring Tolerance of Homosexuality in the Mass Public Across Countries and Over Time.”

WORKING PAPERS

Dietrich, Bryce J., **Hyein Ko**, and Myriam Shiran. “Not All Talking Heads Are Interested in Talking: A Demonstration of How to Detect Faces Using Minimal Training Data.”

Ko, Hyein, Tianhong Yin, Azifah Astrina, Emily Sallenback, Michael Gabbay, and Nora Webb Williams. “From Text to Network: Detecting Events between Political Elites with a Custom Ontology and Chatbot-in-the-loop Text Pipelines”

Yin, Tianhong, **Hyein Ko**, Michael Gabbay, and Nora Webb Williams. “Who Said What Now?! Advances in Quote Extraction from Text”

Boehmke, Frederick, Bruce Desmarais, Jeff Harden, Samuel Harper, Taegyoon Kim, **Hyein Ko**, Johabed G. Olvera, Isaac Pollert, Tracee Saunders, and Taylor Tokos “A Comprehensive Look at State Policy Responses to the COVID-19 Pandemic”

Ko, Hyein. “Keeping it All in Focus: Rethinking the Nature of Visual Framing in the Social Movement Contexts”

Ko, Hyein. “Exploring Determinants of Time to Next Protest Event”

Ko, Hyein. “Frame the Feeling? Black Lives Matter and Conveyed Sentiment by Cable News Networks”

Ko, Hyein. “Do Elections Make a Difference? Comparing Autocracies with and without Elections on Regime Change”

Ko, Hyein. “Are Governors Responsible for the State-level COVID-19? Revisiting Partisanship, Blame, and Divided Federalism”

Kim, Sang Jung and **Hyein Ko**. “The Power of Voice: Winning candidates’ voice and speech characteristics in the U.S. presidential elections”

CONFERENCE PRESENTATIONS AND WORKSHOPS

“From Text to Network: Detecting Events between Political Elites with a Custom Ontology and Chatbot-in-the-loop Text Pipelines” with Tianhong Yin, Azifah Astrina, Nora Webb Williams, Emily Sallenback, and Michael Gabbay
Midwest Political Science Conference, 2024

“A Comprehensive Look at State Policy Responses to the COVID-19 Pandemic” with Frederick J. Boehmke, Bruce A. Desmarais, Jeffrey J. Harden, Samuel Harper, Taegyoon Kim, Johabed Olvera, Isaac Poller, Tracee Saunders, and Taylor Tokos
Midwest Political Science Conference, 2024 (non-presenting co-author)

- “The Impact of Text Pre-processing and Chatbot-in-the-loop Decisions on Extracting Elite Actor Events” with Tianhong Yin, Nora Webb Williams, Emily Sallenback, and Michael Gabbay
American Political Science Conference, 2023 (non-presenting co-author)
- “Keeping it All in Focus: Rethinking the Nature of Visual Framing in the Social Movement Contexts”
PolMeth XXXIX, 2022 (poster)
American Political Science Conference, 2023
- “Exploring Determinants of Time to Next Protest Event”
Midwest Political Science Association, 2023
- “A Picture’s Worth: Visual Framing, Social Media, and Protest Perceptions”
Princeton Dissertation Scholars Workshop, 2023
- “Frame the Feeling? Black Lives Matter and Conveyed Sentiment by Cable News Networks”
Midwest Political Science Association, 2022
A Workshop on Comparative Political Communication, 2022
Iowa Women Studying Politics (IWSP) Conference, 2022
- “Using Facial Recognition to Understand the Gender Dynamics of Congressional News Coverage”
with Bryce J. Dietrich
International Communication Association Conference, 2022 (non-presenting co-author)
Midwest Political Science Association, 2022 (non-presenting co-author)
American Political Science Conference, 2021 (non-presenting co-author)
- “How Subjects Are Literally Framed Matters: Image Angles and the Broader Interpretation of Protest Events”
Saint Louis Area Methods Meeting (SLAMM!), 2021
Midwest Political Science Association, 2021
- “Understanding How Images and Text are Used to Frame Cable News Content” with Bryce J. Dietrich
Midwest Political Science Association, 2021 (non-presenting co-author)
- “Traffic Cameras, Voting Costs, and the 2015 United Kingdom General Election” with Bryce J. Dietrich and Payel Sen
American Political Science Association, 2020 (non-presenting co-author)

RESEARCH ASSISTANTSHIPS AND WORK EXPERIENCE

- Research Consultant**, Iowa Social Science Research Center Fall 2021 - Spring 2023
Provided computational programming workshops to general audiences and offered statistical consulting based on the client requests.
- Research Assistant**, Iowa Policy and Opinion Lab, University of Iowa Summer 2020 - Spring 2022
A collaborative research group led by Frederick J. Boehmke and Kajsa Dalrymple on policy making and Iowan public opinion. Prepared research assignments, reports, survey and press releases, as well as worked with 25 undergraduate students to develop research and statistical programming skills.
- Research Assistant**, University of Iowa Summer 2020 - Summer 2021, Summer 2022
Worked for an NSF grant project on COVID-19 state policies with Frederick J. Boehmke. I trained undergraduate students on creating datasets, helped develop a codebook, and participated in writing a research paper.
- Research Assistant**, University of Iowa Summer 2020
Worked for project on ethnic autonomy and public goods provision with Elise Pizzi. I found relevant data, explored literature, and provided summaries on conceptual differences across previous studies.

TEACHING EXPERIENCE

Instructor, University of Iowa

- POLI 3000: Analyzing Political Data** Spring 2023
An upper-level undergraduate quantitative methods course, which covered research design, probability theory, bivariate statistics, simple/multiple linear regression, and Stata as a statistical programming tool. Each student conducted own research as a final project.
- R Workshop for Graduate Student** Winter 2022
A three-hour R programming workshop for department graduate students.
- Math Camp for Incoming Graduate Student** Summer 2021, Summer 2022
A week-long basic mathematics and statistics course for incoming graduate students.

Teaching Assistant, University of Iowa

- POLI 2417: Comparative Environmental Policy** Spring 2022
- POLI 2500: Politics of Natural Disasters** Spring 2022
- POLI 1100: Introduction to American Politics** Spring 2019, Spring 2020
- POLI 1500: Introduction to International Relations** Fall 2018, Fall 2019

Guest Lecture and Department Service, University of Iowa

- POLI 3411: Democracy - Global Trends and Struggles** Spring 2022
Guest lectured on contemporary media and tech companies' practices; prepared readings and questions regarding the intersection of business practices and democracy, opinions and suggestions toward regulating business practices; illustrated different approaches from varying countries in terms of region and regime types.
- POLI 7003: Advanced Methods** Fall 2021
Guest lectured on Introduction to Image Analysis, held introduction to R workshop, and held introduction to Python workshop in the graduate-level method course.
- Statistical Laboratory Assistant** Fall 2021
Helped students navigate methodological questions and gave feedback on their course projects.

AWARDS AND SCHOLARSHIPS

- Graduate College Summer Fellowship** (\$5,000), University of Iowa 2023
- Princeton Dissertation Scholars Program** (\$11,890), Bobst Center for Peace and Justice 2023
- PolMeth Travel and Participation Award** (\$1,350), Society for Political Methodology 2022
- Graduate College Post-Comprehensive Research Fellowship** (\$10,500), University of Iowa 2022
- Graduate College Summer Fellowship** (\$5,000), University of Iowa 2022
- Graduate Student Senate Travel Funds** (\$685), University of Iowa 2022
- Fellowship Incentive Program** (\$400), University of Iowa 2022
- Travel Grant** (\$1,000), Department of Political Science, University of Iowa 2022
- Travel Grant** (\$700), Department of Political Science, University of Iowa 2021
- Travel Grant** (\$400), Department of Political Science, University of Iowa 2020
- Janet Box-Steffensmeier Scholarships** (\$2,500), Society for Political Methodology 2019
- Summer Training Grant** (\$1,100), Department of Political Science, University of Iowa 2019

ADDITIONAL TRAINING

- ICPSR Summer Program**, University of Michigan Summer 2019
Rational Choice Theories of Politics and Society, Multivariate Statistical Methods
- Junior Survey Analyst Certification**, Statistics Korea (KOSTAT) Summer 2017

SKILLS

Programming Languages and Frameworks

Stata, Python, R, L^AT_EX, Mathematica, Qualtrics, MongoDB

Languages

Korean (Native), English (Fluent)

REFERENCES

Frederick Solt
Associate Professor
University of Iowa
frederick-solt@uiowa.edu

Bryce J. Dietrich
Associate Professor
Purdue University
bjdietri@purdue.edu

Frederick J. Boehmke
Professor
University of Iowa
frederick-boehmke@uiowa.edu

Nora Webb Williams
Assistant Professor
University of Illinois Urbana-Champaign
nww3@illinois.edu

William M. Reisinger
Professor
University of Iowa
william-reisinger@uiowa.edu