

Hyein Ko

341 Schaeffer Hall, Iowa City, IA 52242-1409

Email: hyein-ko@uiowa.edu ◊ Homepage: heyikon.com

EDUCATION

Ph.D., Political Science, University of Iowa 2023 (*expected*)

Dissertation: Visual Framing and its Effects on Interpreting Political Events (working title)

Co-Chairs: Frederick Solt, Bryce J. Dietrich (Purdue University)

Committee Members: Frederick J. Boehmke, William M. Reisinger

External Committee Member: Michelle Torres (Rice University)

Abstract: Political images are all around us and visual information matters in various political areas. Drawing on political communication literature and common, yet understudied, photographic strategies, my study examines the way that images are presented or visually framed and how these pictorial choices can impact political behavior, like the willingness to participate in protest events. This study highlights two protest events –the South Korean Candlelight Movement in 2016-2017 and the Black Lives Matter Movement in the United States–to answer the following three questions: (1) do people tend to choose specific visual framing more often when reporting on certain events as opposed to others? (2) are these differences predicated on the text content (i.e., sentiment) written by providers? and (3) how does the public respond to different uses of visual framing? To answer these questions, I use computer vision methods and an original survey experiment. Taken together, the current study not only exemplifies the importance of visual information but also offers a more general framework for understanding political rhetoric and the public’s responses.

MA, Political Science, University of Iowa 2020

MA, Political Science, Ewha Womans University 2018

BA, Economics & Political Science, Ewha Womans University 2016

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

RESEARCH & TEACHING INTERESTS

Comparative Politics

Contentious Politics, Political Communication, Elections, Democratization

Political Methodology

Machine Learning, Image Analysis, Text Analysis, Bayesian Analysis, Maximum Likelihood Estimation, Multi-level Modeling, Duration Modeling, Spatial Analysis, Network Analysis

American Politics

State Politics, Political Behavior, Legislative Institutions

PEER REVIEWED PUBLICATIONS

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. 2021. “Attention to the COVID-19 Pandemic on Twitter: Partisan Differences Among U.S. State Legislators.” *Legislative Studies Quarterly*. <https://onlinelibrary.wiley.com/doi/10.1111/lsq.12367>

BOOK CHAPTERS

Dietrich, Bryce J. and **Hyein Ko**. (Forthcoming 2023). "Video-as-Data." In the *Encyclopedia of Political Communication*, eds. Alex Nai, UK: Edward Elgar Publishing.

MANUSCRIPTS UNDER REVIEW

Boehmke, Frederick J., Sam M. Avery, Thomas Dainty, Marissa S. Good, and **Hyein Ko**. "Did Black Lives Matter Protests Change Public Opinion?"

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

Dietrich, Bryce J., **Hyein Ko**, and Payel Sen. "Stand Up and Be Counted: Using Traffic Cameras to Understand Voting Behavior in Real-Time."

WORKING PAPERS

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

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."

Boehmke, Frederick J., Bruce A. Desmarais, Abbie Eastman, Jeffrey J. Harden, Liam Kaboli, **Hyein Ko**, Elisabeth Oster, and Tracee Saunders "SPRC19: A Database Tracking US State Policy Responses to COVID-19."

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

Ko, Hyein. "Exploring Determinants of Time to Next Protest Event." (in progress)

CONFERENCE PRESENTATIONS AND WORKSHOPS

"Keeping it All in Focus: Rethinking the Nature of Visual Framing in the Social Movement Contexts"
PolMeth XXXIX, 2022 (poster)

"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, University of Iowa Fall 2021 -
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
Worked for a collaborative research group led by Dr. Frederick J. Boehmke and Dr. Kajsa Dalrymple on policy making and Iowan public opinion. I assisted in preparing 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
Have worked for an NSF grant project on COVID-19 state policies with Dr. Frederick J. Boehmke. I helped train 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 Dr. Elise Pizzi. I helped find relevant data, explore literature, and provide summaries on conceptual differences across previous studies.

TEACHING EXPERIENCE

- Instructor**, University of Iowa
Math Camp for Incoming Graduate Student, Instructor Summer 2021, Summer 2022
Taught 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, Guest Lecture 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, Guest Lecture 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

- 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

SKILLS

Programming Languages and Frameworks

Stata, Python, R, L^AT_EX, Mathematica

Languages

Korean (Native), English (Fluent), Japanese (Elementary)

REFERENCES

Frederick Solt
Associate Professor
University of Iowa
324 Schaeffer Hall
Iowa City, Iowa 52242
(319) 335-2340
frederick-solt@uiowa.edu

Bryce J. Dietrich
Associate Professor
Purdue University
Beering Hall 2228
West Lafayette, Indiana 47906
(765) 494-4161
bjdietri@purdue.edu

Frederick J. Boehmke
Professor
University of Iowa
363 Schaeffer Hall
Iowa City, Iowa 52242
(319) 335-2342
frederick-boehmke@uiowa.edu

William M. Reisinger
Professor
University of Iowa
317 Schaeffer Hall
Iowa City, Iowa 52242
(319) 335-2351
william-reisinger@uiowa.edu