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Education

Ph.D. Political Science, University of Illinois, Urbana-Champaign, 2014.

M.A. Political Science (with Honors), University of Kansas, 2008.

B.A. Political Science and Philosophy (with Honors), University of Missouri, Kansas City, 2005.

Academic Appointments

Harvard University

Research Fellow, John F. Kennedy School of Government, 2018-

Northeastern University

Research Fellow, Network Science Institute, 2018-

University of Iowa

Assistant Professor, Department of Political Science, 2016-

Assistant Professor, Department of Sociology, 2016-

Faculty, Iowa Informatics Initiative, 2016-

University of Missouri, Columbia

Visiting Assistant Professor, Department of Political Science, 2014-2016

Publications

Contextual Determinants of Observed Negative Emotional States in Police-Community Interactions (with David A. Makin, Dale W. Willits, Wendy Koslicki, Rachael Brooks, and Rachel L. Bailey). (Forthcoming, *Criminal Justice and Behavior*)

Geovisual Text Analytics for Exploring Public Discourse on Twitter (with Caglar Koylu and Ryan L. Larson). (Forthcoming, *Cartography and Geographic Information Science*)

Emotional Arousal Predicts Votes on the Supreme Court (with Ryan D. Enos and Maya Sen). (Forthcoming, *Political Analysis*)

When Candidates Debate, Does Social Media Listen? (with Courtney Juelich) (Forthcoming, *Journal of Elections, Public Opinion and Parties*)

"If a Picture is Worth a Thousand Words, What is a Video Worth?." In *Exploring the C-SPAN Archives: Advancing the Research Agenda*, Robert X. Browning, ed. Purdue University Press, 2015.

Personality and Legislative Politics: The Big Five Trait Dimensions among U.S. State Legislators (with Scott Lasley, Jeffery J. Mondak, Megan L. Remmel and Joel Turner), 2012, *Political Psychology* 33(2): 179-306.

Working Papers

Elite Behavior

Do Oral Arguments Influence the Language of Majority Opinions? (with Maya Sen) (Presented at Text-as-Data 2017 and MPSA 2018)

This Floor Speech Will Be Televised: Understanding the Factors that Influence When and Where Floor Speeches Appear on Cable Television. (with Dan Schultz and Tracey Jaquith) (Revise and Resubmit, *American Journal of Political Science*)

This Floor Speech Will Be Posted: "Likable" Floor Speeches on Facebook, Reddit, and Twitter (with Dan Schultz). (Presented at MPSA 2018)

Using Motion Detection to Measure Social Polarization in the U.S. House of Representatives. (Presented at PolMeth 2017)

Gender

Pitch Perfect: Vocal Pitch and the Emotional Intensity of Congressional Speech on Women (with Matt Hayes and Diana O'Brien). (Revise and Resubmit, *American Political Science Review*)

Gender Dynamics in Elite Political Contexts: Evidence from Supreme Court Oral Arguments (with Ryan D. Enos and Maya Sen). (Presented at APSA 2018)

The Vertical Diffusion of Gender Rhetoric Across Federal, State, and Local Government (with Diana O'Brien and Jielu Yao). (Presented at MPSA 2018)

Race and Ethnic Politics

Using Public Video Feeds to Understand Intergroup Exposure on the Streets of New York (with Melissa Sands). (Presented at MPSA 2018)

Police Interactions as Complex Social Interactions: Situational Analysis of Police Minority Encounters (with David A. Makin, Dale W. Willits, Wendy Koslicki, Rachael Brooks, and Rachel L. Bailey). (*Under Review*)

Race, Emotional States, and Police Use of Force: Police Interactions as Complex Social Interactions (with David A. Makin, Dale W. Willits, and Rachel L. Bailey). (*Under Review*)

Seeing is Believing: How Video of Police Action Affects Criminal Justice Beliefs (with Paul Testa). (Presented at MPSA 2018)

Racial Rhetoric in Black and White: Symbolic References in U.S. House Speeches (with Matthew Hayes). (*Under Review*)

Race, Deliberation, and Voter Identification Laws (with Matt Hayes).

Awards and Grants

University of Iowa

Received

Classifying Elderly Depression Using Audio and Machine Learning (with Marianne Smith, Erwei Bai, and Gary Christensen). Office of Vice President for Research. \$40,000. 2017.

Campus-Based Mobilization: Measuring Characteristics, Processes, and Outcomes (with Cassie Barnhardt). Iowa Measurement Research Foundation. \$23,231. 2017.

The Development of an Early Warning System for Public Safety using Software Analytics. Phase I Subcontract with the Department of Homeland Security and Applied Physics Lab (with David Makin, Rachel Bailey, and Dale Willits). \$30,000. 2017.

Washington State University, University of Iowa, and Axon Technology Partnership. Equipment Transfer of 60 Body-Worn Cameras, Accessories, and Storage. Equipment equivalency of \$100,000. 2017.
-Featured on KOMO News Radio, PR Newswire, WSU Website

Under Review

Vocal Pattern Detection of Late-Life Depression (with Marianne Smith and Erwei Bai). \$457,500. NIH (2018).

Development of Software to Detect Late-Life Depression Using Vocal Patterns (with Marianne Smith and Jeremy Bockholt). \$224,997 NIH (2018).

Developing an Alexa Skill to Classify Elderly Depression Using Acoustic Variation (with Marianne Smith, Erwei Bai, and Gary Christensen). \$20,000. Amazon (2018).

University of Missouri

Received

Kinder Institute on Constitutional Democracy. \$3,500 research award. 2015.

C-SPAN Education Grant, Purdue University. \$2,500 research award. 2014.

Invited Talks and Conferences

University of Iowa

University of Missouri, October 2018.

University of California-Riverside, June 2018.

Instituto Tecnológico Autónomo de México (ITAM), Method Speaker Series, April 2018.

Text Analysis Software Developers' Workshop, New York University, April 2018.

Social Science Foo Camp, Facebook, February 2018.

Rice University, Method Speaker Series, November 2017.

PoliInformatics Workshop, University of Washington, August 2017

University of California-San Diego, Method Speaker Series, June 2017.

Wesleyan University, Digital and Computational Knowledge Initiative (DaCKI) Speaker Series, November 2016.

University of Missouri

Conference on Political Data Science, Washington University, May 2016.

Patents

Program for Automating the Detection of Anomalous Interactions from Video Data (co-inventor).
Provisional Patent (#1742). 2017-2018.

Conference Papers

University of Iowa

Do Oral Arguments Influence the Language of Majority Opinions? (with Maya Sen), *Presented at New Directions in Text-as-Data, Princeton, NJ (2017)*.

Gender Dynamics in Elite Political Contexts: Evidence from Supreme Court Oral Arguments (with Ryan D. Enos and Maya Sen), *Presented at the Annual Meeting of the American Political Science Association, San Francisco, CA (2017)*.

Using Public Video Feeds to Understand Intergroup Exposure on the Streets of New York (with Melissa Sands), *Presented at the Annual Meeting of the American Political Science Association, San Francisco, CA (2017)*.

Seeing is Believing: How Video of Police Action Affects Criminal Justice Beliefs (with Paul Testa), *Presented at the Annual Meeting of the American Political Science Association, San Francisco, CA (2017)*.

This Floor Speech Will Be Televised: Understanding the Factors that Influence When and Where Floor Speeches Appear on Cable Television (with Dan Schultz and Tracey Jaquith), *Presented at PiNet, Seattle, WA (2017)*.

Social Polarization in the U.S. House of Representatives. *Presented at Society for Political Methodology Conference, Madison, WI (2017)*.

Understanding the Effect of the Travel Ban on Immigration Tweets in the United States (with Caglar Koylu). *Presented at Political Networks Conference, Columbus, OH (2017)*.

Gender Dynamics in Elite Political Contexts: Evidence from Supreme Court Oral Arguments (with Ryan D. Enos and Maya Sen), *Presented at the Annual Meeting of the Midwest Political Science Association, Chicago, IL (2017)*.

Descriptive Representation is More than Words on a Page: Using Audio to Understand How Women's Issues are Voiced on the House Floor (with Matthew Hayes and Diana Z. O'Brien), *Presented at the Annual Meeting of the Midwest Political Science Association, Chicago, IL (2017)*.

Race, Deliberation, and Voter ID Laws (with Matthew Hayes), *Presented at the Annual Meeting of the Midwest Political Science Association, Chicago, IL (2017)*.

Understanding Issue Attention in the U.S. House of Representatives Using Variation in Vocal Pitch, *Presented at New Directions in Text-as-Data, Boston, MA (2016)*.

University of Missouri

Twitter, Audio, and the 2012 Presidential Debates (with Erik Bucy), *Presented at the Annual Meeting of the American Political Science Association, San Francisco, CA (September 2-6, 2015)*.

Vocal Pitch and Legislative Success in the U.S. House of Representatives (invited participant), *Presented at the Human Behavior and Evolutionary Sciences Conference, Columbia, MO (May 27-29, 2015)*.

Teaching

Undergraduate Courses

American Government. Fall 2014, Spring 2015, Spring 2016.

State Government. Fall 2014.

Research Methods. Fall 2015, Spring 2016, Spring 2018.

Environmental Politics. Spring 2015, Spring 2016, Fall 2017.

Political Behavior. Spring 2015, Fall 2015.

Congress and Legislative Policy. Fall 2015, Spring 2017.

Legislative Policy Research. Fall 2017, Spring 2018.

Graduate Courses

Introduction to Statistics. Fall 2016.

Text-as-Data. Fall 2016.

Ordinary Least Squares (OLS). Spring 2018.

Workshops

Audio-as-Data. Instituto Tecnológico Autónomo de México (ITAM). Spring 2018.

Audio-as-Data. Iowa Informatics Initiative. Spring 2018.

Text-as-Data. Iowa Informatics Initiative. Spring 2017.

Text Analysis. University of Missouri. Fall 2015.

Programming in R. University of Missouri. Spring 2015.

Multilevel Modeling. University of Missouri. Fall 2014.

Advising

Undergraduate Students

Kyle Apple

Logan Drake

Jennifer Eggerling

Lauren Ellbogen

Marcus Miller

Jacob Otto (former student) → PhD Student (Political Science), University of Pittsburgh, 2017–Present.

Anne Russell (former student) → PhD Student (Economics), Tufts University, 2017–Present.

Zach Weigel (former student) → PhD Student (Political Science), University of Illinois, 2017–Present.

Graduate Students

Payel Sen (former student) → PhD Student (Political Science), Stony Brook University, 2017–Present.

Stella Wancke (former student) → PhD Student (Political Science), University of Texas, 2016–Present.

JoyAnna Hopper (former student) → Tenure-Track (Political Science), Sewanee University, 2016–Present.

Yafei Zhang (former student) → Tenure-Track (Business), West Texas A&M, 2016–Present.

Ruoxi Du (former student, University of Iowa) → Private Sector, Netflix (Research Division), 2018–Present.

Jielu Yao (current student, University of Iowa)

Professional Service

Reviewer

Journals

American Journal of Political Science

American Politics Research

American Political Science Review

Communication Monographs

Journal of Politics

Legislative Studies Quarterly

Political Analysis

Political Behavior

Political Psychology

Political Science Research and Methods

Publishers

Oxford University Press

Sage

College and Departmental Service

College

Chair, "Internet Archive: Past, Present, and Future." (Informatics Showcase, 2018)

Chair, "Group Dynamics in the Digital Age." (Informatics Showcase, 2017)

Chair, "Creating a New Search Engine for the Internet Archive." (HackUIowa, 2017)

Moderate, Presidential Debate. (Student Government, 2017).

Department

Member, Executive Committee. (Informatics, 2017-2018)

Member, Executive Committee. (Political Science, 2017-2018)

Member, Scholarship Selection Committee. (Honors Program, 2017-2018)

References

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http://www.brycejdietrich.com/dietrich_cv.pdf