

# POLMETH XXXVII PROGRAM

## PANEL I

Tuesday, July 14, 2020, 12:00pm to 1:30pm

### Virtual Room 1: Spatial Analysis

#### **Causal Inference for Policy Diffusion**

Author(s): **Naoki Egami**

Discussant: Yiqing Xu (Stanford University)

#### **Network Event History Analysis for Modeling Public Policy Adoption with Latent Diffusion Networks**

Author(s): **Bruce Desmarais**, Jeffrey J. Harden, Mark Brockway, Frederick J. Boehmke, Scott LaCombe and Hanna Wallach

Discussant: Shahryar Minhas (Michigan State University)

### Virtual Room 2: Experimental Designs

#### **Using Eye-Tracking to Understand Decision-Making in Conjoint Experiments**

Author(s): **Libby Jenke**, **Kirk Bansak**, Jens Hainmueller and Dominik Hangartner

Discussant: Anton Strezhnev (New York University)

#### **Analyze the Attentive and Bypass Bias: Using Mock Vignettes in Survey Experiments**

Author(s): **Yamil Velez**, Jason Barabas and John Kane

Discussant: Erin Hartman (UCLA)

### Virtual Room 3: Sample Selection

#### **How You Ask Matters: Interview Requests as Network Seeds**

Author(s): AshLee Smith, **Jane L. Sumner** and Josef Woldense

Discussant: Jennifer Bussell (University of California, Berkeley)

#### **How Much Should You Trust Your Power Calculation Results? Power Analysis as an Estimation Problem**

Author(s): Shiyao (Sean) Liu and **Tepei Yamamoto**

Discussant: Clayton Webb (University of Kansas)

### Virtual Room 4: Text-as-Data

#### **A comparison of methods in political science text classification: Transfer learning language models for politics**

Author(s): **Zhanna Terechshenko**, Fridolin Linder, Vishakh Padmakumar, Fengyuan Liu, Jonathan Nagler, Joshua A. Tucker and Richard Bonneau

Discussant: Leah Windsor (Institute for Intelligent Systems, University of Memphis)

#### **Embedding Regression: Models for Context-Specific Description and Inference in Social Science**

Author(s): Brandon Stewart, **Pedro Rodriguez** and Arthur Spirling

Discussant: Max Goplerud (University of Pittsburgh)

# VIRTUAL POSTER SESSION I

Tuesday, July 14, 2020, 2:30pm to 4:30pm

## Meeting Room 1: Causal Inference and Endogeneity

Ye Wang; **Causal Inference under Temporal and Spatial Interference**

Gemma Dipoppa; **How Criminal Organizations Expand to Strong States: Migrants' Exploitation and Vote Buying in Northern Italy**

Christopher Schwarz; **Agnostic Sensitivity Analysis**

## Meeting Room 2: Comparative Politics and Regression Discontinuity

Ali Ahmed; **When Inequality Matters: The Role of Wealth during England's Democratic Transition**

Kathryn Baragwanath and Ella Bayi; **Collective Property Rights Reduce Deforestation in the Brazilian Amazon**

## Meeting Room 3: Difference-in-Differences Models

Thomas Leavitt; **Causal Inference in Difference-in-Differences Designs under Uncertainty in Counterfactual Trends**

Kimberly Turner; **A Win or A Flop? Identifying and Estimating Unintended Protest Costs in Measuring Success Outcomes**

Jeremy Bowles; **(How) Do Elections Build States? Evidence from Liberian Electoral Administration**

Rachel Porter, Sarah Treul and Maura McDonald; **Changing the Dialogue: Candidate Position-Taking in Primary Elections**

## Meeting Room 4: Experimental Designs

Connor Jerzak; **A General Method for Detecting & Characterizing Interference in Field Experiments**

Alessio Albarello; **Who Gets Their Way in Coalition Policy?**

Gustavo Diaz; **A Variable Selection Approach to Spillovers**

## Meeting Room 5: Ideal Point Estimation

Tzu-Ping Liu and Takanori Fujiwara; **Contrastive Multiple Component Analysis (cMCA): Applying the Contrastive Learning Method to Identify Political Subgroups**

Evan Rosenman and Nitin Viswanathan; **Using Poisson Binomial Models to Reveal Voter Preferences**

Naijia Liu; **Latent Factor Approach to Missing Not at Random**

Gento Kato, Tzu-Ping Liu and Samuel Fuller; **Non-Parametric Bridging of Non-Parametric Ideological Scales: Application to Mapping Voters on Politicians' Ideological Space**

## Meeting Room 6: Item Response/Crosswise Models

Yuki Atsusaka, Randy Stevenson and Ahra Wu; **Bias-Corrected Crosswise Estimators for Sensitive Inquiries**

Caroline Lancaster; **Value Shift: Immigration Attitudes and the Sociocultural Divide**

Zoe Nemerever; **Urban-Rural Divide in State Political Parties**

Haosen Ge; **Measuring Regulatory Barriers Using Annual Reports of Firms**

## PLENARY SESSION

**Tuesday, July 14, 2020, 4:30pm to 5:30pm**

### Special Panel on Methods for the Study of Race and Ethnicity

#### **Measuring Race and Ethnicity with Applications to Discrimination**

Speaker: **Marisa A. Abrajano** (UCSD)

#### **Measuring Racial Diversity in U.S. Institutions**

Speaker: **Allison P. Harris** (Yale University)

## PANEL II

Wednesday, July 15, 2020, 12:00pm to 1:30pm

### Virtual Room 1: Data Access

#### **Statistically Valid Inferences from Privacy Protected Data**

Author(s): **Georgina Evans**, Gary King, Margaret Schwenzfeier and Abhradeep Thakurta

Discussant: James Honaker (Harvard University)

#### **Hidden in Plain Sight? Detecting Electoral Irregularities Using Statutory Results**

Author(s): **Zach Warner**, J. Andrew Harris, Michelle Brown and Christian Arnold

Discussant: Walter Mebane (University of Michigan)

### Virtual Room 2: Causal Inference

#### **Causal Inference, or How I Learned to Stop Worrying and Love Hypothesis Testing**

Author(s): **Justin Esarey**, Scott de Marchi and Joseph K. Young

Discussant: Luke Keele (University of Pennsylvania)

#### **Variation in impacts of letters of recommendation on college admissions decisions: Approximate balancing weights for treatment effect heterogeneity in observational studies**

Author(s): **Eli Ben-Michael**, Avi Feller and Jesse Rothstein

Discussant: Chad Hazlett (UCLA)

### Virtual Room 3: Panel and Spatial Analysis

#### **A Bayesian Method for Modeling Dynamic Network Influence With TSCS Data**

Author(s): **Xun Pang** and Licheng Liu

Discussant: Matthew Blackwell (Harvard University)

#### **Predicting Dyadic and Geopolitical Interaction Between Spatially Moving Objects**

Author(s): Howard Liu, **Sangyeon Kim** and Bruce Desmarais

Discussant: Scott J. Cook (Texas A&M University)

### Virtual Room 4: Applications

#### **The Political Ideologies of Organized Interests: Large-Scale, Social Network Estimation of Interest Group Ideal Points**

Author(s): Sahar Abi-Hassan, Janet M. Box-Steffensmeier, Dino P. Christenson, **Aaron R. Kaufman** and Brian Libgober

Discussant: In Song Kim (MIT)

#### **All (Mayoral) Politics is Local?**

Author(s): **Betsy Sinclair**, Steven Webster, Sanmay Das and Hao Yan

Discussant: Jonathan Nagler (New York University)

## VIRTUAL POSTER SESSION II

Wednesday, July 15, 2020, 2:30pm to 4:30pm

### Meeting Room 7: Machine Learning

Matthew Tyler; **Rigorous Subjectivity: Demystifying and Improving Human Coding with Statistical Models**

Andrew Halterman; **Extracting Political Events from Text Using Grammatical Dependency Parsing and Machine Learning**

Shiyao Liu; **Beyond Topics: Semi-Supervised Learning for Texts from a Measurement Perspective**

### Meeting Room 8: Political Behavior and Measurement

Shiro Kuriwaki; **Clustering large-scale ballot data with varying choice sets**

Kazuma Mizukoshi; **A new multilevel-based indicator for party system nationalization**

Sidak Yntiso and Sanford Gordon; **Attributable Risk of Race: Detecting Partisan and Racial Gerrymandering**

Gabriel Madson; **The Heuristic Issue Voter: Issue Preferences and Candidate Choice**

### Meeting Room 9: Social Media, Social Networks and Democracy

Omer Faruk Yalcin; **Measuring Political Elite Networks with WikiData**

Adam Breuer, R. Eilat and U. Weinsberg; **Friend or Faux: Social Network-Based Early Detection of Fake User Accounts on Facebook**

Patrick Chester; **Framing Democracy: Identifying Autocratic Anti-Democratic Propaganda Using Word Embeddings**

Sean Norton; **Who Do You Think You're Fooling? Examining the Internal Russian Disinformation Campaign**

### Meeting Room 10: Surveys and Survey Experiments

Natalia Lamberova; **The Puzzling Politics of R&D: Signaling Competence through Risky Projects**

Matthew Graham; **Certain. Wrong. Misinformed? Evaluating Survey-Based Measures of Political Misperceptions**

Erin Rossiter; **The Consequences of Social Interaction on Outparty Affect and Stereotypes**

### Meeting Room 11: Text and Image Data

Benjamin Guinaudeau and Simon Roth; **Floor Speeches and Ideological Position: Estimating Ideology of Representatives**

Patrick Wu and Walter R. Mebane, Jr.; **Joint Image-Text Classification Using A Transformer-Based Architecture**

Yin Yuan; **Decoding Propaganda Slogans in China: Reading Between the Lines Using Word Embeddings**

### Meeting Room 12: Time Series and Survival Analysis

Nadiya Kostyuk; **Diffusion of Cybersecurity Policies**

Seo-young Silvia Kim; **Donation Dynamics: Do Critical Campaign Events Influence Contributions?**

Flávio Souza; **Multiplicative Interactions in Error Correction Models**

Ryden Butler; **Learning from Likes: The Effect of Social Engagement Feedback on Politicians' Social Media Communications**

## PANEL III

Thursday, July 16, 2020, 12:00pm to 1:30pm

### Virtual Room 1: Machine Learning

#### **Experimental Evaluation of Computer-Assisted Human Decision Making: Application to Pretrial Risk Assessment Instrument**

Author(s): **Kosuke Imai**, Zhichao Jiang, James Greiner, Ryan Halen and Sooahn Shin

Discussant: Jonathan Mummolo (Princeton University)

#### **Improving Variable Importance Measures**

Author(s): Zenobia Chan and **Marc Ratkovic**

Discussant: Santiago Olivella (University of North Carolina at Chapel Hill)

### Virtual Room 2: Panel and Spatial Analysis

#### **How Wide is the Ethnic Border?**

Author(s): **Scott Abramson**, Brandon Cooley and Bethany Lacina

Discussant: Florian Hollenbach (Texas A&M University)

#### **The Dynamics of Civil Wars: A Bayesian hidden Markov model applied to the pattern of conflict and the role of ceasefires (Cancelled)**

Author(s): Jonathan P. Williams, Gudmund H. Hermansen, **Håvard Mogleiv Nygård**, Govinda Clayton and Siri Aas Rustad

Discussant: Bruce Desmarais (Penn State University)

### Virtual Room 3: Experimental Designs

#### **Elements of External Validity: Framework, Design, and Analysis**

Author(s): **Naoki Egami** and **Erin Hartman**

Discussant: Daniel Hopkins (University of Pennsylvania)

#### **Introducing a Continuous Climate Concern Scale for the Use in Experimental Research**

Author(s): **Parrish Bergquist**

Discussant: Stephanie Nail (Stanford University)

### Virtual Room 4: Text and Image Data

#### **Untangling Mixtures in Judicial Opinions**

Author(s): Douglas Rice and **Justin Gross**

Discussant: Brandon Stewart (Princeton University)

#### **Protest Event Data from Images**

Author(s): **Zachary Steinert-Threlkeld** and Jungseock Joo

Discussant: Michelle Torres (Rice University)

## PANEL IV

Thursday, July 16, 2020, 2:30pm to 4:00pm

### Virtual Room 1: Hierarchical Models

**Fast and Accurate Estimation of Non-Nested Binomial Hierarchical Models Using Variational Inference**

Author(s): **Max Goplerud**

Discussant: Justin Grimmer (Stanford University)

### Virtual Room 2: Causal Inference

**Retrospective causal inference via elapsed time-weighted matrix completion, with an evaluation on the effect of the Schengen Area on the labour market of border regions**

Author(s): **Jason Poulos**, Andrea Albanese, Andrea Mercatanti and Fan Li

Discussant: James Bisbee (Princeton University)

**A Negative Correlation Strategy for Bracketing in Difference-in-Differences with Application to the Effect of Voter Identification Laws on Voter Turnout**

Author(s): Ting Ye, **Luke Keele**, Raiden Hasegawa and Dylan S. Small

Discussant: Fredrik Sävje (Yale University)

### Virtual Room 3: Panel Data

**Bayesian Causal Inference With Time-Series Cross-Sectional Data: A Dynamic Multilevel Latent Factor Model with Hierarchical Shrinkage**

Author(s): **Yiqing Xu**, Xun Pang and Licheng Liu

Discussant: Neal Beck (New York University)

**A Nonparametric Bayesian Model for Gradual Structural Changes: The Intergenerational Chinese Restaurant Processes**

Author(s): Nuannuan Xiang and **Yuki Shiraito**

Discussant: Mark Pickup (Simon Fraser University)

### Virtual Room 4: Instrumental Variables

**An omitted variable bias framework for sensitivity analysis of instrumental variables**

Author(s): Carlos Cinelli and **Chad Hazlett**

Discussant: Jacob Montgomery (WUSTL)

**Noncompliance and instrumental variables for  $2^k$  factorial experiments**

Author(s): **Matthew Blackwell** and Nicole Pashley

Discussant: Teppei Yamamoto (MIT)

## PANEL V

Friday, July 17, 2020, 12:00pm to 2:30pm

### Virtual Room 1: Covariate Balancing

#### **Balancing covariates in randomized experiments using the Gram-Schmidt Walk**

Author(s): Christopher Harshaw, **Fredrik Sävje**, Daniel Spielman and Peng Zhang

Discussant: Marc Ratkovic (Princeton University)

#### **Kpop: A kernel balancing approach for reducing specification assumptions in survey weighting**

Author(s): **Erin Hartman**, Chad Hazlett and Ciara Sterbenz

Discussant: Luke W. Miratrix (Harvard University)

### Virtual Room 2: Conjoint Designs

#### **Avoiding Measurement Error Bias in Conjoint Analysis**

Author(s): **Katherine Clayton**, Yusaku Horiuchi, Aaron Kaufman, Gary King and Mayya Komisarichik

Discussant: Naoki Egami (Columbia University)

#### **Improving Preference Elicitation in Conjoint Designs using Machine Learning for Heterogeneous Effects**

Author: Scott F. Abramson, Korhan Kocak, Asya Magazinnik and **Anton Strezhnev**

Discussant: Jasjeet Sekhon (University of California, Berkeley)

#### **Using Conjoint Experiments to Analyze Elections: The Essential Role of the Average Marginal Component Effect (AMCE)**

Author(s): Kirk Bansak, Jens Hainmueller, **Daniel Hopkins** and Teppei Yamamoto

Discussant: Kosuke Imai (Harvard University)

### Virtual Room 3: Text-as-Data & Item Response Theory

#### **Troubles in/with Text: Combining qualitative and NLP approaches to analyzing government archives from the UK Troubles in Northern Ireland**

Author(s): **Sarah Dreier**, Emily Gade, Jose Hernandez, Noah A. Smith and Sofia Serrano

Discussant: Arthur Spirling (New York University)

#### **GPIRT: A Gaussian Process Model for Item Response Theory**

Author(s): J. Brandon Duck-Mayr, Roman Garnett and **Jacob Montgomery**

Discussant: Yuki Shiraito (University of Michigan)



## CORPORATE PANEL

Friday, July 17, 2020, 2:30pm to 4:00pm

Working as a Data Scientist Outside the Academia

**Nicole Bonoff** (Facebook)

**Drew Linzer** (Civiqs)

**Susanna Supalla** (Alloy)

**Laila Wahedi** (Facebook)

# ASYNCHRONOUS POSTER SESSIONS

## Faculty Posters

Kenichi Ariga; **Matching Estimation for Causal Effect on Compositional Outcomes**

James Bisbee; **What Matters to Voters? Examining Micro-Level and Macro-Level Drivers of Citizens' Economic and Political Evaluations**

Jay Goodliffe; **Using Latent Class Analysis to Explain Donor Behavior**

Stephanie Nail; **Ineffective Attribution Testing: An exploration of individual differences in cognition between Liberals and Conservatives**

Huan-Kai Tseng; **The Many Dimensions of Political Discourse on Taiwan among Chinese netizens: an analysis of 20 million Weibo posts**

Clayton Webb; **I've Got the Power: A Survey of Issues Surrounding Statistical Power in the Design and Analysis of Survey Experiments**

## Emerging Cohort (Graduate Students)

Sabrina Arias; **Legislative Networks and Agenda-Setting in the UNGA and UNSC**

Samuel Baltz; **Estimating historical election results under counterfactual electoral systems**

Soubhik Barari; **Scaling the YouTube Media Environment using Network and Text Data**

Kyle Bedu; **Model-Assisted Restricted Randomization for Network Experiments in Political Science**

Paige Bollen; **Don't Know, Don't Care: Non-Attitudes in African Public Opinion**

Julia Bourkland; **Analyzing Gendered & Raced Editorial Scrutiny of Lawmakers in the U.S. and U.K.**

Jacob Brown; **Priming bias versus post-treatment bias in experimental designs**

Ka Ming Chan; **Would voters become more rightward leaning after they decide to support radical right party? Evidence from Germany**

Angela Chesler; **Quantifying Triggers with Event Coincidence Analysis: An Application to Mass Civilian Killings in Civil War, 1989-2017**

Dahyun Choi; **Cheap Talk or Circuit to the Legislature: Why do Corporations Express Public Support for and Opposition against Free Trade?**

Elisha Cohen; **Sensitivity Analysis for Outcome Tests to Evaluate Bias**

Shusei Eshima and Tomoya Sasaki; **Keyword Assisted Topic Models**

Laura Felone; **Conjoint Analysis in Studying Descriptive Representation**

Ishita Gopal; **Targeting and the Timing of Online Censorship: The Case of Venezuela**

Simon Hoellerbauer; **Distances in Latent Space: A Novel Approach to Analyzing Conjoints**

Melody Huang; **Leveraging observational outcomes to improve the generalization of experimental results**

Andrea Junqueira; **New Frontiers in Dynamic Pie Modeling**

Ali Kagalwala; **Modeling Time and Space Together**

Sydney Kahmann; **LAPD Community Safety Partnership: Impact Evaluation on Violent Crime Using Augmented Synthetic Control Models**

ByungKoo Kim and Saki Kuzushima; **Paragraph-citation Topic Models for Corpora with Citation Networks**

Taegyeon Kim; **The Spread of Promotion of Political Violence on Twitter**

Isabel Laterzo; **Estimating the Dark Figure of Crime using Bayesian Additive Regression Trees plus Poststratification (BARP)**

Isaac Mehlhaff; **Measuring Political Polarization in Mass Publics: The Cluster-Polarization Coefficient**

Nicola Nones; **The Moral Narrative of the European Sovereign Bond Crisis**

Casey Petroff; **The Politics of Science: Evidence from 19th-Century Public Health**

Blake Reynolds and Marcy Shieh; **Voter Turnout and Campaign Mail Features**

Oliver Rittmann; **When do Legislators Deliver Dramatic Legislative Speeches?**

Fernando Rocha Rosario; **Formalization of Political Analysis: Matrix of Possibles States and Strategic**

Sooahn Shin; **Measuring Issue-Specific Preferences from Votes**

Maya Srikanth; **Finding Social Media Trolls: Dynamic Keyword Selection Methods for Rapidly Evolving Online Debates**

Fabricio Vasselai; **Supervised Learning election forensics with Multi-Agent simulated training data**

Nuannuan Xiang; **Gaussian Process Models for Causal Inference with Time-Series Cross-Sectional Data**

Soichiro Yamauchi; **Estimating Population Quantities from Multiple Data Sources using the Structural Tensor Factorization**

Seo Eun Yang; **How a deep neural network contributes to learning causal graph and forecasting political dynamics**

Luwei Ying; **When Ideology Gives in to Strategy: A Text-As-Data Approach to Recover Jihadist Groups' Rhetorical Tactics in Media Releases**

Junlong Zhou; **Estimating Heterogeneous Effect on Clustered Data using Mixed-Effects Model**