

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 Komisarich

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)