



BigSurv23 Preliminary Program (Updated September 6, 2023)

Please note that the program is subject to change. Kindly refer to the latest updates provided at the conference website.

All academic events will take place at the Campus of San Francisco de Quito University.

Thursday, 26 October

- 08:30–18:30 Arrival and Registration (Room: DaVinci HALL)
- 09:00–12:00 [Short Course 1](#): Data Integration.
Instructor: [Trivellore Raghunathan \(“Raghu”\)](#)
[Short Course 2](#): Fundamentals of Data Science
Instructor: [Juan Esteban Díaz Leiva](#)
- 12:00–13:00 Lunch (on your own)
- 13:00–16:00 [Short Course 3](#): Unlocking the Superpowers of Advanced Machine Learning Models for Social Scientists: From Lassos to Boosts to Nets!
Instructors: [Trent D Buskirk and Adam Eck](#)
[Training Session](#): Hands-on training to select a two-stage gridded population sample using free, user-friendly tools.
Trainers: [Dana R Thomson](#) & [Dale Rhoda](#)
- 17:00–18:45 Welcome and Opening [Plenary Panel](#): My Chatbot is Hallucinating about your Digital Trace. A discussion about the future of computational social sciences in the era of AI. (Room: Shakespeare Theatre, USFQ)
Moderator: [Ellie Graeden \(RTI\)](#)
Panelists: Dr. Jan Höhne, Leibniz University Hannover)
Laura Wronski (Survey Monkey)
Dr. Josh Pasek (University of Michigan)
- 18:45–20:30 Welcome Reception (Room: Shakespeare Theatre Hall, USFQ)

08:00–17:00 Registration and Information Desk (Room: DaVinci HALL)

Poster Session (actively presented 8:30–10:00)

Technological Developments Influence the Cybercrime in Juja Sub-County

Ndirangu Ngunjiri (University of Nairobi) - Presenting Author

Elizabeth Kingoo (Jomo Kenyatta University of Science and Technology)

ML Applications to Survey Quality Control and Fraud Detection Abstract 2023

Mrs Kriscel Berrum (D3 systems)

Mr Liam Spoletini (D3 Systems) - Presenting Author

Mr Timothy Van Blarcom (D3 Systems)

Volatility and irregularity Capturing in stock price indices using time series Generative adversarial networks.

Leonard Mushunje (Columbia University) - Presenting Author

Statistical Learning Methods to Estimate Sales Forecasts for Products that Affect the Supply Chain of a Mass Consumption Company in the City of Guayaquil

Francisco Morales (ESPOL – Escuela Politécnica del Litoral) - Presenting Author

Sergio Baúz (ESPOL – Escuela Politécnica del Litoral)

Johny Pambabay (ESPOL – Escuela Politécnica del del Litoral)

Unraveling the Correlation between Perceived Issue Importance and Issue Salience on the Internet among Users with Different Media Repertoires

You-Jian Wu (Academia Sinica) - Presenting Author

Hao-Hsuan Wang (Academia Sinica)

Shih-Peng Wen (Academia Sinica)

Ching-ching Chang (Academia Sinica)

Yu-ming Hsieh (Academia Sinica)

Justin Chun-ting Ho (Academia Sinica)

Reliable Inference from Imperfect Data

Mansour Fahimi (Marketing Systems Group) - Presenting Author

Optimism and Cryptoasset ownership

Kim Huynh (Bank of Canada)

Christopher Henry (Bank of Canada) - Presenting Author

David Jacho-Chavez (Emory University, USA)

Gabriela Coadá (Emory University, USA)

10:00–11:30 Opening Keynote by [Dr. Juan M. Lavista Ferres](#), VP, Chief Data Scientist of the Microsoft AI for Good Lab (Virtual live presentation with Q&A)

11:30–11:45 Coffee Break

11:45–13:15 **CONCURRENT SESSIONS A**

Session 1: My "socials" like your surveys! Exploring alignment, consistency and divergence of estimates based on survey, social media and digital trace data

Ground Truth References for Trends Estimated from Social Media Using Automated Entity Extraction. Example of Substance Use Discussions on Reddit

Dr Georgiy Bobashev (RTI International) - Presenting Author

Mr Alexander Preiss (RTI International)

Mr Anthony Berghammer (RTI International)

Dr Mark Edlund (RTI International)

New Data Sources and Signals on Presidential Approval: Daily Indicator Based on Google Trends

Mr Bastián González-Bustamante (University of Oxford) - Presenting Author

Uncovering Hidden Alignment between Social Media Posts and Survey Responses

Professor Frederick Conrad (University of Michigan) - Presenting Author

Mr Mao Li (University of Michigan)

Professor Michael Schober (New School for Social Research)

Professor Johann Gagnon-Bartsch (University of Michigan)

Dr Robyn Ferg (Westat)

Ms Rebecca Dolgin (New School for Social Research)

Dr Paul Beatty (US Census Bureau)

Negativity Bias Effect in Issue Salience Transfer

Mr Hao Hsuan Wang (Academia Sinica) - Presenting Author

Mr You-Jian Wu (Academia Sinica)

Mr Shih-Peng Wen (Academia Sinica)

Professor Ching-ching Chang (Academia Sinica)

Dr Justin Chun-ting Ho (Academia Sinica)

Dr Yu-ming Hsieh (Academia Sinica)

11:45–13:15 **CONCURRENT SESSIONS A**

Session 2: Adept Adaptation: Using auxiliary data and advanced modelling methods to predict eligibility, contact, participation and response

Age-Eligibility Oversampling to Reduce Screening Costs in a Multimode Survey

Dr Stephanie Zimmer (RTI International) - Presenting Author

Mr Joe McMichael (RTI International)

Dr Taylor Lewis (RTI International)

Calling the Right Cases: Using Predictive Modeling to Direct Outbound Dialing Effort in an Address-Based Sample

Mr Michael Jackson (SSRS) - Presenting Author

Mr Todd Hughes (University of California - Los Angeles)

Ms Cameron McPhee (SSRS)

Optimizing Data Collection Interventions Using Personalized Models

Mr Michael Duprey (RTI International) - Presenting Author

Dr Rebecca Powell (RTI International)

Dr Jerry Timbrook (RTI International)

Ms Melissa Hobbs (RTI International)

Dr Brian Burke (RTI International)

Professor Allison Aiello (Columbia University)

Ms Sarah Dean (The University of North Carolina at Chapel Hill, Carolina Population Center)

Professor Robert Hummer (The University of North Carolina at Chapel Hill, Carolina Population Center)

11:45–13:15 **CONCURRENT SESSIONS A**

Session 3: Mining the Gaps: Using new data sources and ML to understand missing data, nonresponse and turnout

Supplementing Sensitive Survey Data by Leveraging Social Listening with Machine Learning Models

Heather Kitada Smalley (Willamette University)

Professor John Walker Orr (George Fox University) - Presenting Author

Predicting Future Panel Participation in AmeriSpeak Panel

Dr Stas Kolenikov (NORC) - Presenting Author

Dr Ipek Bilgen (NORC)

Dr David Dutwin (NORC)

Closed Form Bayesian Inferences for Binary Logistic Regression with Applications to American Voter Turnout

Dr Kevin Dayaratna (The Heritage Foundation) - Presenting Author

11:45–13:15 **CONCURRENT SESSIONS A**

Session 4: You Will Brag about this LAG: Modern Methods for Creating Labels, Asking Questions and Gathering Data

Identifying Common Abortion Measurement Across Studies and Wording: A New Technique For Leveraging Historical Survey Data

Josh Pasek (University of Michigan) - Presenting Author

A Conceptual Model of Labeling in Supervised Learning (with Implications for Survey Coding)

Mr Robert Chew (RTI International) - Presenting Author

A Practical Guide to (Successfully) Collect and Process Images in the Frame of Web Surveys

Ms Patricia A. Iglesias (Research and Expertise Centre for Survey Methodology) - Presenting Author

Mr Carlos Ochoa (Research and Expertise Centre for Survey Methodology)

Dr Melanie Revilla (Research and Expertise Centre for Survey Methodology & Institut Barcelona d'Estudis Internacionals)

Best Practices in Data Donation: A workflow for studies using digital data donation

Mr Thijs Carrière (Utrecht University) - Presenting Author

Dr Laura Boeschoten (Utrecht University)

Dr Heleen Janssen (University of Amsterdam)

13:15–14:30 Group Lunch (University Restaurant) - Lunch tickets available

14:30–16:00 **CONCURRENT SESSIONS B**

Session 1: Does the Trace save Face? Exploring how digital trace data can be leveraged to estimate social media usage.

Examining Latino Political Engagement and Activity on Social Media: Combining Survey Responses with Digital Trace Data

Professor Marisa Abrajano (University of California, San Diego)

Ms Marianna Garcia (UC, San Diego)

Dr Robert Vidigal (New York University)

Mr Aaron Pope (New York University)

Dr Edwin Kamau (New York University)

Professor Joshua A. Tucker (New York University)

Professor Jonathan Nagler (New York University) - Presenting Author

Surveys or Digital Trace Data. Which One Should We Use? Using Generalized MultiTrait-MultiMethod models to simultaneously estimate the measurement quality of surveys and digital trace data.

Mr Oriol J. Bosch (University of Oxford / The London School of Economics) - Presenting Author

Dr Melanie Revilla (IBEI)

Professor Patrick Sturgis (The London School of Economics)

Professor Jouni Kuha (The London School of Economics)

Online Media's Agenda-Setting Effect: A Method Triangulation Approach with Survey and Text Mining

Mr Hao Hsuan Wang (Academia Sinica) - Presenting Author

Mr Shih-Peng We (Academia Sinica)

Mr You-Jian Wu (Academia Sinica)

Professor Ching-ching Chang (Academia Sinica)

Dr Justin Chun-ting Ho (Academia Sinica)

Dr Yu-ming Hsieh (Academia Sinica)

14:30–16:00 **CONCURRENT SESSIONS B**

Session 2: Humans chatting about chatbots: Promises and Challenges of Large Language Models for Survey Research

Evaluation of GPT Models and Prompts to Create Tailored Questionnaires

Ms Zoe Padgett (Momentive.ai) - Presenting Author

Ms Laura Wronski (Momentive.ai)

Mr Sam Gutierrez (Momentive.ai)

Mr Tao Wang (Momentive.ai)

Mr Misha Yakubovskiy (Momentive.ai)

While Chatbots Have Many Answers, Do They Have Good Questions? An Experimental Study Exploring the Creation and Evaluation of Survey Questions Using Automated Chatbot Tools

Dr Trent Buskirk (Bowling Green State University) - Presenting Author

Dr Adam Eck (Oberlin College)

Dr Jerry Timbrook (RTI International)

Mr Scott Crawford (Sound Rocket)

Exploring and Predicting Public Opinion Using Large Language Models (Demo)

Mr Mathew Hardy (Princeton University)

Seeing ChatGPT Through Students' Eyes: An Analysis of TikTok Data

Dr Anna-Carolina Haensch (LMU Munich) - Presenting Author

Mrs Sarah Ball (LMU Munich)

Mr Markus Herklotz (LMU Munich)

Professor Frauke Kreuter (LMU Munich)

14:30–16:00 **CONCURRENT SESSIONS B**

Session 3: What's your claim to FRAME? Sampling Design and Evaluation Using New Data Sources and Analytic Methods

Assessing the Quality of Commercial Auxiliary Data Appended to an Address-Based Sampling Survey Frame

Dr Rebecca Medway (American Institutes for Research) - Presenting Author

Dr Rachel Carroll ((American Institutes for Research)

Introducing "Designing and Implemented Gridded Population Surveys": A New Manual with Step-by-Step Tutorials

Dr Dana Thomson (University of Twente) - Presenting Author

Targeted Random Door-to-Door Sampling Design for COVID-19 Informed by Community Wastewater

Dr Katherine McLaughlin (Oregon State University) - Presenting Author

Dr Jeffrey Bethel (Oregon State University)

Dr Benjamin Dalziel (Oregon State University)

Dr Roy Haggerty (Louisiana State University)

Dr Kathryn Higley (Oregon State University)

Dr Jane Lubchenco (Oregon State University)

Dr Javier Nieto (Oregon State University)

Dr Tyler Radniecki (Oregon State University)

Dr Justin Sanders (Oregon State University)

Using Machine Learning Methods to Stratify the Household Surveys Sampling Frame

Dr William Jesús Constante Erazo (Independent Researcher) - Presenting Author

Miss Diana Carolina Simbaña Flores (Independent Researcher)

14:30–16:00 **CONCURRENT SESSIONS B**

Session 4: When the Kaleidoscope becomes the Megaphone! New Tools and Resources for Improving Dissemination and Insights that are based on Multiple Data Sources

Impact of Environmental Features and Spatial Economic Diversity on Social Inclusion

Dr Chan-Hoong Leong (Kantar Public) - Presenting Author

The Social Impact Data Commons: Regional Data-Driven Decision-Making

Ms Kathryn Linehan (University of Virginia)

Dr Aaron Schroeder (University of Virginia) - Presenting Author

Data for Health Intelligence

Ms Ellie Graeden (Georgetown University) - Presenting Author

Census Household Panel: Opportunities for Data Triangulation, Harmonization and Integration

Ms Jennifer Childs (U.S. Census Bureau) - Presenting Author

Dr Jason Fields (U.S. Census Bureau)

Dr Aleia Fobia (U.S. Census Bureau)

Ms Cassandra Logan (U.S. Census Bureau)

Dr Stephanie Coffey (U.S. Census Bureau)

Dr Jennifer Ortman (U.S. Census Bureau)

Mr David Hornick (U.S. Census Bureau)

16:00–16:30 Coffee Break

16:30–18:00 **CONCURRENT SESSIONS C**

Session 1: Heads AND Tails! Evaluating and leveraging survey and alternate data sources for improving estimation

Using Machine Learning to Downscale Projected Land Conversion: Application to Bioenergy Expansion

Dr Robert Beach (RTI International)

Mr Graedon Martin (RTI International)

Dr Stanley Lee (RTI International)

Dr Jonathan Holt (RTI International) - Presenting Author

Estimation of Purchases with a Hybrid Survey Design

Mr Matthew Shimoda (Bank of Canada) - Presenting Author

Are Media Exposure Measures Created with Digital Trace Data Any Good? An Approach to Assess and Predict the True-Score Reliability of Web Tracking Data

Mr Oriol J. Bosch (University of Oxford / The London School of Economics) - Presenting Author

Dr Melanie Revilla (IBEI)

Professor Patrick Sturgis (The London School of Economics)

Professor Jouni Kuha (The London School of Economics)

Analyzing Economic Views via Twitter versus Survey Data

Professor Suzanne Linn (Penn State University)

Dr Patrick Wu (New York University)

Professor Joshua A. Tucker (New York University)

Professor Jonathan Nagler (New York University) - Presenting Author

16:30–18:00 **CONCURRENT SESSIONS C**

Session 2: Going Public About What's Private! New Observations, Methods and Advances in Data Privacy

Re-Thinking Data Policy: An Engineering-Informed Approach to Global Data Regulation (Demo)

Ms Ellie Graeden (Georgetown University) - Presenting Author

Differential Privacy for Surveys – Things We Know and Problems that Still Need to be Solved

Mr Joerg Drechsler (Institute for Employment Research and University of Maryland) - Presenting Author

Synthetic Population Generation for Nested Data Using Differentially Private Posteriors

Dr Hang Kim (University of Cincinnati)

Dr Terrance Savitsky (U.S. Bureau of Labor Statistics)

Dr Matthew Williams (RTI International) - Presenting Author

Dr Jingchen Hu (Vassar College)

16:30–18:00 **CONCURRENT SESSIONS C**

Session 3: Boosting our Understanding of Pandemics and Resilience Through Survey Research

Multivariate Statistical Modeling to Identify Atmospheric and Sociodemographic Variables Associated with Covid-19 in the City of Guayaquil

Professor Jhon Peña (ESPOL – Escuela Politécnica del Litoral) - Presenting Author

Dr Sergio Bauz (ESPOL – Escuela Politécnica del Litoral)

Dr Johny Pambabay (ESPOL – Escuela Politécnica del Litoral)

Professor Cesar Menendez (ESPOL – Escuela Politécnica del Litoral)

Identifying Factors Associated with US Adolescents' Behaviors and Experiences during COVID-19 Using LASSO Regression on Complex Survey Data

Dr Wenna Xi (Weill Cornell Medicine) - Presenting Author

Ms Peizi Wu (Weill Cornell Medicine)

Measuring Vulnerability and Resilience for Small Areas

Ms Heather King (United States Census Bureau) - Presenting Author

16:30–18:00 **CONCURRENT SESSIONS C**

Session 4: My Daddy is a Ballerina: Issues in Coding Occupations and Gender Identity in Surveys

Trends in Gender Inclusion: A Cross-National Examination of Non-Binary Gender Options in Surveys from 2012-2022

Ms Zoe Padgett (Momentive.ai) - Presenting Author

Ms Laura Wronski (Momentive.ai)

Mr Sam Gutierrez (Momentive.ai)

Parent Proxy Reporting on Multidimensional Measures of Adolescent Gender Using a Nationally Representative Sample from the U.S.

Mr Christopher Hansen (Loyola University Chicago) - Presenting Author

Coding Occupations: Are Occupational Codes in Administrative Data Consistent with Survey Self-Reported Occupations?

Ms Ana Santiago-Vela (Federal Institute for Vocational Education and Training) - Presenting Author

19:30–21:30 Conference Dinner at Colonial Quito (Tickets Available)

08:00–17:00 Registration and Information Desk (Room: DaVinci HALL)

09:00–10:30 **CONCURRENT SESSIONS D**

Session 1: What Did the Robots Hear the Humans Say? Advances in Coding Survey Open-Ends Using ML Methods

Machine Learning Assisted Auto-Coding Tools for Improving the Experience of Manual Coding of Real-World Big Text Data

Ms Emily Hadley (RTI International) - Presenting Author

Ms Caroline Kery (RTI International)

Mr Durk Steed (RTI International)

Ms Anna Godwin (RTI International)

Mr Ethan Ritchie (RTI International)

Mrs Donna Anderson (RTI International)

Mr Rob Chew (RTI International)

Mr Peter Baumgartner (RTI International)

Considerations for Data Quality in Open-Ended Embedded Probes across Population and Methodological Subgroups

Mr Zachary Smith (National Center for Health Statistics, Centers for Disease Control and Prevention) - Presenting Author

Dr Kristen Cibelli Hibben (National Center for Health Statistics, Centers for Disease Control and Prevention)

Dr Paul Scanlon (National Center for Health Statistics, Centers for Disease Control and Prevention)

Dr Valerie Ryan (National Center for Health Statistics, Centers for Disease Control and Prevention)

Mr Benjamin Rogers (National Center for Health Statistics, Centers for Disease Control and Prevention)

Dr Travis Hoppe (National Center for Health Statistics, Centers for Disease Control and Prevention)

Dr Kristen Miller (National Center for Health Statistics, Centers for Disease Control and Prevention)

Multi-Label Classification of Open-Ended Questions with BERT

Professor Matthias Schonlau (University of Waterloo)

Dr Julia Weiß (GESIS)

Mr Jan Marquardt (GESIS) - Presenting Author

Linguistic Shifts and Topic Drift: Building Adaptive Natural Language Processing Systems to Code Open-Ended Responses from Multiple Survey Rounds

Dr Sarah Staveteig Ford (U.S. State Department) - Presenting Author

Dr Jon Krosnick (Stanford University)

Dr Matthew DeBell (Stanford University)

09:00–10:30 **CONCURRENT SESSIONS D**

Session 2: The Methodologists talked with the Data Scientists, and it wasn't fair! Here's What to Do About It!

Assessing the Downstream Effects of Training Data Annotation Methods on Supervised Machine Learning Models

Mr Jacob Beck (LMU Munich) - Presenting Author

Dr Stephanie Eckman (Independent)

Professor Christoph Kern (LMU Munich)

Mr Rob Chew (RTI International)

Mr Bolei Ma (LMU Munich)

Professor Frauke Kreuter (LMU Munich, University of Maryland)

What If? Using Multiverse Analysis to Evaluate the Influence of Model Design Decisions on Algorithmic Fairness

Mr Jan Simson (LMU Munich) - Presenting Author

Dr Florian Pfisterer (LMU Munich)

Professor Christoph Kern (LMU Munich)

Applied Strategies for Advancing Racial Equity and Addressing Bias in Big Data Research

Ms Emily Hadley (RTI International) - Presenting Author

Ms Rachel Dungan (Academy Health)

My Training Data May Need a Trainer: Applying Population Representation Metrics to Training Data to Assess Representativity, Machine Learning Model Performance and Fairness

Dr Trent Buskirk (Bowling Green State University) - Presenting Author

Dr Christoph Kern (Ludwig Maximilian University of Munich)

Mr Patrick Schenk (Ludwig Maximilian University of Munich)

09:00–10:30 **CONCURRENT SESSIONS D**

Session 3: Harmonize Your Vocals! Exploring Voice Capture and Processing for Collecting Open-Ended Survey Responses

Open-Ended Survey Questions: A comparison of information content in text and audio response formats

Mrs Camille Landesvatter (MZES, University of Mannheim) - Presenting Author

Mr Paul Bauer (MZES, University of Mannheim)

Innovating Web Probing: Comparing Text and Voice Answers to Open-Ended Probing Questions in a Smartphone Survey

Dr Jan Karem Höhne (University of Duisburg-Essen) - Presenting Author

Dr Timo Lenzner (GESIS - Leibniz Institute for the Social Sciences)

Dr Konstantin Gavras (Nesto Software GmbH)

API vs. human coder: Comparing the Performance of Speech-to-Text Transcription Using Voice Answers from a Smartphone Survey

Dr Jan Karem Höhne (University of Duisburg-Essen) - Presenting Author

Dr Timo Lenzner (GESIS - Leibniz Institute for the Social Sciences)

Assessing Performance of Survey Questions through a CARI Machine Learning Pipeline

Dr Ting Yan (Westat) - Presenting Author

Mr Anil Battalahalli (Westat)

09:00–10:30 **CONCURRENT SESSIONS D**

Session 4: We Triangulated but Got a Rhombus!? Methods for Improving Insights Based on Data Combined from Multiple Sources

Beware of Propensity Score Matching as a Method for the Integration of Different Data Sets

Dr Hans Kiesel (Ostbayerische Technische Hochschule Regensburg) - Presenting Author
Dr Florian Meinfelder (Otto-Friedrich-Universität Bamberg)

A Novel Methodology for Improving Applications of Modern Predictive Modeling Tools to Linked Data Sets Subject to Mismatch Error

Dr Brady West (Institute for Social Research, University of Michigan-Ann Arbor) - Presenting Author
Dr Martin Slawski (Department of Statistics, George Mason University)
Dr Emanuel Ben-David (U.S. Census Bureau)

Validating Matches of Electronically Reported Fishing Trips to Investigate Matching Error

Dr Benjamin Williams (University of Denver) - Presenting Author
Dr Shalima Zalsha (NORC)
Dr Lynne Stokes (Southern Methodist University)
Dr Ryan McShane (Amherst College)
Dr John Foster (NOAA Fisheries)

10:30–11:00 Coffee Break

11:00–12:30 **CONCURRENT SESSIONS E**

Session 1: Watch Out - Your Phone Answered My Survey! Processing, Compliance and Estimation Using Data Captured via Smartphone Meters and Wearable Devices

Provide or Bring Your Own Wearable Device? An assessment of compliance, adherence, and representation in a national study.

Dr Heidi Guyer (RTI International) - Presenting Author
Ms Margaret Moakley (RTI International)
Professor Florian Keusch (University of Mannheim)
Professor Bella Struminskaya (Utrecht University)

Continuous Monitoring of Health and Wellness Using Wearable Sensors: New Data Source for Social Science

Dr Dorota Temple (RTI International) - Presenting Author
Dr Meghan Hegarty-Craver (RTI International)
Dr Hope Davis-Wilson (RTI International)
Dr Edward Preble (RTI International)
Dr Jonathan Holt (RTI International)
Dr Howard Walls (RTI International)
Dr David Dausch (RTI International)

Wearables Research and Analytics Platform (WRAP?) Demo: Integrating wearables, surveys and monitoring systems

Dr Heidi Guyer (RTI International) - Presenting Author
Dr Vinay Tannan (RTI International)
Mr Ben Allaire (RTI International)
Dr Eric Francisco (RTI International)

11:00–12:30 **CONCURRENT SESSIONS E**

Session 2: Any Kinks in the Links? Exploring Data Linkage and Quality Frameworks for Modern Surveys

Survey Design Considerations for Data Linkage

Professor Sunshine Hillygus (Duke University) - Presenting Author
Professor Kyle Endres (University of Northern Iowa)

Burden, Benefit, Consent, and Control: Moving Beyond Privacy and Confidentiality in Attitudes about Administrative Data in Government Data Collection

Dr Aleia Fobia (US Census Bureau) - Presenting Author
Ms Jennifer Childs (US Census Bureau)
Dr Shaun Genter (US Census Bureau)

A Data Quality Scorecard to Assess a Data Source's Fitness for Use

Ms Lisa Mirel (NCSES/NSF) - Presenting Author
Dr John Finamore (NCSES/NSF)
Dr Elizabeth Mannshardt (NCSES/NSF)
Dr Julie Banks (NORC)
Dr Don Jang (NORC)
Dr Jay Breidt (NORC)

11:00–12:30 **CONCURRENT SESSIONS E**

Session 3: Don't Know Much About Survey Participation? After this Session You Will!

Does Intent to Participate in the U.S. Census Align with Actual Participation? The Matching of Public Opinion Data with Census Data

Dr Yazmin Garcia Trejo (U.S. Census Bureau) - Presenting Author

Ms Maranda Pepe (U.S. Census Bureau)

Ms Charlene Medou (U.S. Census Bureau)

Ms Jordan Misra (U.S. Census Bureau)

Motivations and Barriers to Survey Participation in a Smartphone-Based Travel App Study: Evidence from In-Depth Interviews in Chile

Mr Ricardo Gonzalez (LEAS at Universidad Adolfo Ibañez) - Presenting Author

Miss Doerte Naber (GESIS - Leibniz Institute for the Social Sciences)

Mr Adolfo Fuentes (University of Edinburgh - LEAS at Universidad Adolfo Ibañez)

Don't Know! Don't Care? We Should! "Don't Know" Responses in Digital and Financial Literacy Questions

Dr Christopher Henry (Bank of Canada) - Presenting Author

Dr Daniela Balutel (York University, Canada)

Dr Kim Huynh (Bank of Canada)

Dr Marcel Voia (Universite d'Orleans, France)

11:00–12:30 **CONCURRENT SESSIONS E**

Session 4: I'm Biased Towards Accuracy! Advances in Evaluating and Adjusting Estimates within Finite Population Frameworks

Rethinking the Test Set: A Finite Population Perspective

Mr Robert Chew (RTI International) - Presenting Author

The Sensitivity of Selection Bias Estimators: A Diagnostic Based on a Case Study and Simulation

Mr Santiago Gómez (Vrije Universiteit Amsterdam) - Presenting Author

Mr Dimitris Pavlopoulos (Vrije Universiteit Amsterdam)

Mr Ton De Waal (Statistics Netherlands)

Mr Reinoud Stoel (Statistics Netherlands)

Mr Arnout van Delden (Statistics Netherlands)

Composite Weighting for Hybrid Samples

Dr Mansour Fahimi (Marketing Systems Group) - Presenting Author

“balance” - a Python Package for Balancing Biased Data Samples

Dr Tal Galili (Meta) - Presenting Author

Dr Tal Sarig (Meta)

Mr Steve Mandala (Meta)

12:30–14:00 Group Lunch (University Restaurant) - Lunch tickets available

14:00–15:30 **CONCURRENT (ORGANIZED) SESSIONS F**

Session 1: Bridging Survey and Twitter Data: Methodology and Application

Chair: Lisa Singh (Georgetown University)

Lurk More (or Less): Differential Engagement in Twitter by Sociodemographics

Dr Lisa Singh (Georgetown University) - Presenting Author

Dr Michael Traugott (University of Michigan)

Dr Nathan Wycoff (Georgetown University)

Conversation Coverage: Comparing Topics of Conversation By Survey Respondents on Twitter and the General Twitter Population

Dr Ceren Budak (University of Michigan) - Presenting Author

Dr Rebecca Ryan (Georgetown University)

Mr Yanchen Wang (Georgetown University)

Can We Gain Useful Knowledge of Public Opinion from Linked Twitter Data? Reweighting to Correct for Consent Bias

Ms Jessica Stapleton (SSRS) - Presenting Author

Mr Michael Jackson (SSRS)

Ms Cameron McPhee (SSRS)

Dr Lisa Singh (Georgetown University)

Dr Trivellore Raghunathan (University of Michigan)

Comparative Topic Analysis of Tweets and Open-Ended Survey Responses on Covid-19 Vaccinations, Financial Threats, and K-12 Education

Dr Joshua Pasek (University of Michigan) - Presenting Author

Dr Leticia Bode (Georgetown University)

Dr Le Bao (Georgetown University)

14:00–15:30 **CONCURRENT (ORGANIZED) SESSIONS F**

Session 2: Leveraging Data Science and External Data Sources to Adjust for Total Survey Error in Health Surveys

Chair: Morgan Earp (US National Center for Health Statistics)

Validity - Natural Language Processing (NLP) Analysis of Open-Ended Probes to Identify Invalid Responses

Benjamin Rogers

Measurement Error – Using regression trees to examine measurement error between self-reported and measured chronic conditions in NHANES to adjust the National Health Interview Survey (NHIS)

Morgan Earp - Presenting Author

Coverage Error - Leveraging data science and external data sources to adjust for coverage error in online panels including the National Center for Health Statistics' (NCHS) Research and Development Survey (RANDS) and create rapid surveys of health outcomes

Katherine Irimata

Nonresponse Error - Using trees to enhance nonresponse adjustment of the NHIS 5. Model Based Early Estimates Program - Lauren Rossen - Using lessons learned from the above approaches to create the model based early estimates program for NCHS

Jim Dahlhamer

"Model Based Early Estimates Program - Using lessons learned from the above approaches to create the model based early estimates program for NCHS

Lauren Rossen

14:00–15:30 **CONCURRENT (ORGANIZED) SESSIONS F**

Session 3: Missing Data: The Where, the How, and the Why

Chair: Ali Shojaie (University of Washington)

Discussant: Rod Little (University of Michigan)

It's Who Is Missing that Matters: Can a Nonignorable Missingness Mechanism Explain Bias in Estimates of COVID-19 Vaccine Uptake?

Rebecca Andridge (Ohio State University College of Public Health)

Understand, Detect, and Treat Missing Data in Administrative Data

Dan Liao (RTI International)

Marcus Berzofsky (RTI International)

Lance Couzens (RTI International)

Saturday, 28 October (Continued)

Approaches for Incorporating Summary Birth History Data in Child Mortality Estimation
Katie Wilson (University of Washington)

Likelihood-Based Inference for the Finite Population Mean with Post-Stratification Information Under Non-Ignorable Non-Response
Dr Sahar Zangeneh (RTI International) - Presenting Author

14:00–15:30 **CONCURRENT (ORGANIZED) SESSIONS F**

Session 4: Modernizing the U.S. Census Bureau's Statistical Foundation through Enterprise Frames

Chair: Jennifer M. Ortman (U.S. Census Bureau)
Enterprise Frames: Creating the Infrastructure to Enable Transformation
Dr Lori Zehr (U.S. Census Bureau) - Presenting Author

Demographic Frame: Leveraging Person-Level Data to Enhance Census and Survey Taking
Dr Jennifer Ortman (U.S. Census Bureau) - Presenting Author

Using a Demographic Frame to Potentially Enhance the American Community Survey
Ms Deliverance Bougie (U.S. Census Bureau) - Presenting Author

Obtaining Non-Employer Business Owner Data from the Demographic Frame
Mr Michael Ratcliffe (U.S. Census Bureau)
Ms Erica Marquette (U.S. Census Bureau) - Presenting Author

Demographic Frame Evaluation
Ms Aliza Kwiat (U.S. Census Bureau)
Ms Matthew Herbstritt (U.S. Census Bureau) - Presenting Author

15:30–16:00 Coffee Break

16:00–17:00 Special Networking Events

17:00–17:45 Closing Remarks

Sunday, 29 October

08:30–14:30 Colonial Quito and Middle of the World Tour (Tickets Available)