

ITSEW 2018

# 2018 INTERNATIONAL TOTAL SURVEY ERROR WORKSHOP

*“Approaches for Mitigating Total Survey Error (TSE) and its Effects”  
June 3-6, 2018*

DURHAM, NORTH CAROLINA





Hosted by the Duke Initiative on Survey Methodology  
and The Odum Institute for Research in Social Science



*Keynote address by Dr. Roger Tourangeau  
Vice President, Westat  
Past president, American Association  
for Public Opinion Research (AAPOR)*

# WELCOME

The International Total Survey Error Workshop (ITSEW) brings together survey researchers, practitioners, and methodologists (especially in national statistics offices) to foster exchange of ideas and preliminary research findings toward a better understanding of total survey error. It has been held annually since 2005 and typically gathers 50-60 attendees.

The goals of the workshop include:

- ~Reviewing progress on important TSE problems
- ~Defining current data quality problems in detail, and articulating a research agenda to address them
- ~Forming research collaborations to carry out needed research
- ~Identifying emerging research needs at an early stage

The theme of the workshop is “Approaches for Mitigating Total Survey Error (TSE) and Its Effects.” Consistent with this theme, we are especially interested in topics such as adaptive design and data collection strategies, methods for combining and analyzing data from multiple sources, and minimizing TSE when using non-probability surveys.

**SUNDAY, JUNE 3, 2018**

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**6:00 PM   Kickoff Dinner**  
The Pit Durham  
321 W Geer St.  
Durham, NC 27701

## MONDAY, JUNE 4, 2018

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Registration MDC, 307 W Main St., Durham, NC 27701

### **8:30-9:00 AM Registration**

### **9:00-10:30 AM Panel 1.1: Data Quality**

*Chair: Stephanie Eckman*

~Ting Yan, Roger Tourangeau, Hanyu Sun, Douglas Williams, and Rossalyn Yang. "Understanding the Determinants of Reliability"

~Ruben Bach. "A Methodological Framework for the Analysis of Panel Conditioning Effects"

~Paulina Pankowska, Dimitris Pavlopoulos, Daniel Oberski, and Bart Bakker. "Dependent Interviewing – A Remedy or a Curse for Measurement Error in Surveys?"

### **10:30-11:00 AM Coffee Break**

### **11:00 AM- 12:30 PM Panel 1.2: TSE & Managing the Interviewing Process**

*Chair: Teresa Edwards*

~Rachel Bray, Anton Palma, John (Seamus) Thompson, Bruce Levin, and Neena Philip. "Is Interview Length Associated with Propensity to Consent to Blood Draw? Evidence from the Zambia and Swaziland Population-based HIV Impact Assessment (PHIA) Surveys"

~Sarah Staveteig. "Interviewer Effects on Response to Sensitive Questions: Evidence from Demographic and Health Surveys in Six Countries"

~Stephanie Eckman and Achim Koch. "The Relationship Between Response Rates, Sampling Method, and Selection Bias: Evidence from the European Social Survey"

~J. Daniel Montalvo, Mitchell Seligson, and Elizabeth Zechmeister.

"A Package of Innovations to Improve Adherence to Area Probability Sample Designs: Remote Interview Geo-locating of Households in real-Time (RIGHT©)"

## MONDAY, JUNE 4, 2018

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### **12:30-1:30 PM Keynote Address** (lunch provided)

*"How Sources of Errors Cumulate"*

*Dr. Roger Tourangeau*, Vice President, Westat

Past president, American Association for Public Opinion Research

### **1:30-3:00 PM Panel 1.3: Social Media and New Uses of Media Tools**

*Chair: Victoria Dounoucos*

~Silvia Biffignandi, Camilla Salvatore, and Annamaria Bianchi. "Can Big Data Provide Good Quality Statistics? A Case Study on Sentiment Analysis on Twitter Data"

~Marcus Berzofsky. "A Probability Sample from Twitter: Measuring and Controlling TSE?"

~Burton Levine and Karol Krotki. "Evaluating Bias in Redirected Inbound Call Sampling Surveys"

### **3:00-3:30 PM Coffee Break** (Sponsored by RTI)

### **3:30-5:00 PM Panel 1.4: Measurement**

*Chair: Jacob Montgomery*

~Rupa Datta. "Every Step Counts: Accurate Identification of Public Funding Streams in Centers Providing Early Care and Education"

~Erin Rossiter and Jacob Montgomery. "So Many Questions, So Little Time: Integrating Adaptive Inventories into Public Opinion Research"

~Terri Guengerich. "Measuring Stress: A Comparison and Assessment of Four Methods Among Adults 40-Plus"

~Kevin McKinney, Andrew Green, Lars Vilhuber, and John Abowd. "Total Error and Variability Measures with Integrated Disclosure Limitation for Quarterly Workforce Indicators and LEHD Origin Destination Employment Statistics in OnThe Map"

**Dinner on your own**

**TUESDAY, JUNE 5, 2018**

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MDC, 307 W Main St., Durham, NC 27701

**9:00-10:30 AM Panel 2.1: TSE: Education & Applications**

*Chair: Alan Karr*

~Claude Girard. "Raising Awareness of Survey Practitioners on the Usefulness of the Total Survey Error Paradigm "

~Kathrin Thomas and Michael Robbins. "The Total Survey Error Paradigm and Challenges to its Application to the Arab World"

~Brady West and Joe Sakshaug. "The Problem of Analytic Error in Secondary Analysis of Survey Data: What We Know, and What We Need to Do About It"

**10:30-10:50 AM Coffee Break**

**10:50 AM-12:20 PM Panel 2.2: Understanding Survey Response and Panel Attrition**

*Chair: Laura Frankel*

~Bradley Spahn. "Panel Attrition and Conditioning: Implications for Measuring Turnout"

~Michael Bailey. "Designing Surveys to Account for Endogenous Non-Response"

~Matthew DeBell. "Analysis of Response Propensities and Bias in a Nationwide Dual-Mode Survey"

**12:20-1:40 PM Lunch Break: Tobacco Road, 280 S. Mangum Street (Sponsored by Qualtrics)**

**1:40-3:10 PM Panel 2.3: Non-response, Coverage Errors, and Imputation**

*Chair: Alexandra Cooper*

~Joshua Bon, Timothy Ballard, and Bernard Baffour. "Polling Bias and Undecided Voter Allocations: US Presidential Elections, 2004--2016."

~Natalie Jackson. "How Respondent Demographics and Survey Design Interact as Determinants of Item Nonresponses and Data Quality"

~Christopher Claassen. "Estimating Smooth Country by Year Panels of Public Opinion"



## TUESDAY, JUNE 5, 2018

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**3:10-3:30 PM Coffee Break**

**3:30-5:00 PM Panel 2.4: Propensity Scores in TSE**

*Chair: Jill Dever*

~Evrin Oral and Samantha Spiers. "Utilizing the Best Link Function in Propensity Score Weighting Adjustment"

~John Dixon. "Measurement Error in Contact Paradata and its Relationship to Response Propensity."

~Eliud Kibuchi, Gabriele Durrant, Patrick Sturgis, Olga Maslovskaya, and Joel Williams. "Estimating mode Effects Using Propensity Score Methods in Community Life Survey"

**6:00 PM Optional Social Outing** (Space is limited)

Tour & Tasting at The Durham Distillery

711 Washington Street

Sponsored by the Duke Initiative on Survey Methodology

**7:30 PM Optional Group Dinner** (Self-pay)

Bull City Burger and Brewery

107 East Parrish Street

## WEDNESDAY, JUNE 6, 2018

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MDC, 307 W Main St., Durham, NC 27701

### **9:00-10:30 AM Panel 3.1: Linkage**

*Chair: Kyle Endres*

~Mary Mulry, Nancy Bates, and Matt Virgile. "Using Lifestyle Segments to Enhance Response Propensity Models and Design Nonresponse Interventions"

~Alan Karr. "Record Linkage as a Component of Total Survey Error"

~Paul Biemer and Ashley Amaya. "Some Tools for Assessing and Improving the Accuracy of Hybrid Estimators"

### **10:30-11:00 AM Coffee Break**

### **11:00 AM-12:00 PM Roundtable on the future of TSE**

Panelists: Ruben Bach, Paul Biemer, Sunshine Hillygus, and Brady West.

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