

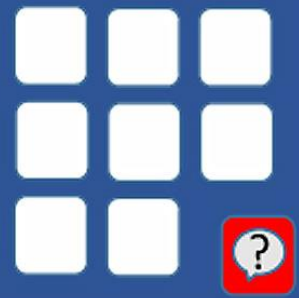


UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

Dipartimento
di Scienze Aziendali,
Economiche e Metodi Quantitativi

ITSEW₂₀19

International Total Survey Error Workshop



International Total Survey Error Workshop 2019

Integration of surveys and alternative data
sources

10-12 June 2019

University of Bergamo, Sede di Sant'Agostino



Società
Italiana di
Statistica



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| 8:30 - 13:30 | Registration |
| 9:00 - 10:30 | Primer on TSE - I Room 1 Lars Lyberg, Stockholm University |
| 10:30 - 11:00 | Coffee Break |
| 11:00 - 12:30 | Primer on TSE - II Room 1 Lars Lyberg, Stockholm University |
| 12:30 - 13:30 | Lunch Break [on your own] |
| 13:30 - 14:00 | Welcome address Room 1 Opening: Silvia Biffignandi, University of Bergamo Remo Morzenti Pellegrini, Rector of the University of Bergamo Giovanna Zanotti, Dean of the Department of Management, Economics, and Quantitative Methods, University of Bergamo Information about the workshop: Annamaria Bianchi, University of Bergamo |
| 14:00 - 16:00 | Session 1: Innovations at National Statistical Institutes Room 1 Chair: Martin Beaulieu, Statistics Canada |
| | Effects of Istat CDC (Centralised Data Collection) approach on the reduction of the Total Survey Error Loredana De Gaetano and Pasquale Papa*, Italian National Statistical Institute |
| | Placing administrative data at the heart of the UK population statistics system; how the total survey error framework is helping to inform the use and design of integrated data solutions Louisa Blackwell and Nicola Rogers*, Office for National Statistics |
| | Adaptive survey design at Statistics Netherlands Kees van Berkel*, Statistics Netherlands |
| | Total Error and variability measures with integrated disclosure limitation for the quarterly workforce indicators Kevin L. McKinney ^{(1)*} , Andrew S. Green ⁽²⁾ , Lars Vilhuber ⁽³⁾ , and John M. Abowd ⁽¹⁾ ⁽¹⁾ U.S. Census Bureau, ⁽²⁾ OECD, ⁽³⁾ Cornell University |
| 16:00 - 16:30 | Coffee Break |
| 16:30 - 18:00 | Session 2: Integrating probability and non probability samples Room 1 Chair: Anders Wallgren, Formerly of the Department of Research and Development at Statistics Sweden |
| | The AmeriSpeak® experience: methods of using a national probability sample panel for studies that combine probability and nonprobability samples Vicki Pineau*, Ed Mulrow, Nada Ganesh, Michael Yang, and J. Michael Dennis NORC at the University of Chicago |
| | Data integration of national surveys and nonprobability samples: balancing enhanced analytic capacity within representational constraints Steven B. Cohen*, RTI International |
| | Integrating different data sources for total estimation with unknown population size Zhaoce Liu* and Lynne Stokes, Southern Methodist University |
| 18:00 - 19:00 | Welcome Cocktail at Sant'Agostino |

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| 9:00 - 10:00 | Key note: Total Survey Error for longitudinal surveys |
| Room 1 | Peter Lynn, University of Essex Chair: Paul Biemer, RTI International |
| 10:00 - 10:30 | Coffee Break |
| 10:30 - 12:30 | Session 3: TSE in multi-sources and mixed-mode approaches |
| Room 1 | Chair: Silvia Biffignandi, University of Bergamo |
| | Evaluating mode effects for an in-person panel survey that transitioned to a mixed web mode Paul Biemer*, RTI International |
| | A new Total Error Framework for multi-source processes Fabiana Rocci, Roberta Varriale*, and Orietta Luzi, Italian National Statistical Institute |
| | Building a Quality Indicators Framework in a multi-source environment Martin Beaulieu*, Ryan Chepita, and Susie Fortier, Statistics Canada |
| | The Total Survey Error – A time series and system approach Anders Wallgren* and Britt Wallgren Formerly of the Department of Research and Development at Statistics Sweden |
| 12:30 - 13:30 | Lunch Break |
| 13:30 - 15:00 | Session 4: Data Quality |
| Room 1 | Chair: Alan F. Karr, RTI International |
| | Assessing interviewer effects in the BRFSS Ting Yan ⁽¹⁾ , Antonia Warren ^{(1)*} , Carol Pierannunzi ⁽²⁾ , Doug Williams ⁽¹⁾ , Jennifer Crafts ⁽¹⁾ , and Sonya Gamble ⁽²⁾ ⁽¹⁾ Westat, ⁽²⁾ Centers for Disease Control |
| | Keep the baby, throw out the bath water: The promises of real-time data quality evaluations Steven Snell* and Carol Haney, Qualtrics |
| | Second generation at school Daniela Cocchi and Francesco Giovinazzi*, University of Bologna |
| 15:00 - 15:30 | Coffee Break |
| 15:30 - 17:00 | Session 5: TSE evaluation |
| Room 1 | Chair: Oliver Lipps, FORS Lausanne |
| | Considering digital privacy attitude measures in the context of TSE: Results from an international workshop David L. Vannette ^{(1)*} , Frauke Kreuter ⁽²⁾ , and Julia Lane ⁽³⁾ ⁽¹⁾ Facebook, ⁽²⁾ University of Maryland & IAB, ⁽³⁾ New York University |
| | Social media data for social indicators: assessing the quality through case studies Silvia Biffignandi ⁽¹⁾ , Annamaria Bianchi ^{(1)*} , and Camilla Salvatore ⁽²⁾ ⁽¹⁾ University of Bergamo, ⁽²⁾ University of Milano Bicocca |
| | Applications of R Shiny to explore, evaluate and improve Total Survey Quality Xiaodan Lyu*, Heike Hofmann, Emily Berg, and Jie Li, Iowa State University |
| 17:15 - 19:15 | Guided Tour of Bergamo Alta |
| 19:30 | Social Dinner at Trattoria Sant'Ambroeus |

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| 9:00 – 10:30 | Session 6: Nonresponse modeling |
| Room 1 | Chair: Annamaria Bianchi, University of Bergamo |
| | Predictive modeling as an alternative to (re-)weighting Alan F. Karr*, RTI International |
| | In an era of declining response rates, a note on the importance of estimation procedures Martin Klein, Joanna Fane Lineback*, and Joseph L. Schafer, U.S. Census Bureau |
| | The effect of measurement error on clustering algorithms: a sensitivity analysis Paulina Pankowska ^{(1)*} , Daniel Oberski ⁽²⁾ , and Dimitris Pavlopoulos ⁽¹⁾ ⁽¹⁾ Vrije Universiteit Amsterdam, ⁽²⁾ Utrecht University |
| 10:30 – 10:45 | Coffee Break |
| 10:45 – 12:15 | Session 7: Undercoverage and nonresponse |
| Parallel session | Chair: David L. Vannette, Facebook |
| Room 1 | Undercoverage and nonresponse as sources of representativeness bias in non-probability online panels. The Italian case Chiara Respi* and Emanuela Sala, University of Milano Bicocca |
| | “Can’t live with ‘em, can’t live without ‘em” Assumptions – the necessary evil Abby Morgan*, Rebecca Green, and Patrick Graham, Statistics New Zealand |
| | Utilising interviewer observations on housing unit characteristics in the hungarian LFS nonresponse analysis: a research plan Linda Mohay and Ferenc Mújdricza*, Hungarian Central Statistical Office |
| 10:45 – 12:15 | Session 8: Administrative data and errors |
| Parallel session | Chair: Roberta Varriale, Italian National Statistical Institute |
| Room 7 | Integrating administrative and survey agricultural data with Statistical Matching Riccardo D’Alberto* and Meri Raggi, University of Bologna |
| | Minimizing sampling error: Preliminary findings of sampling design simulations using survey and administrative data Gró Einarsdóttir* and Anton Örn Karlsson, Statistics Iceland |
| | Are screener questions measures of individual-level general attentiveness to surveys? Evidence from an Italian electoral panel study Riccardo Ladini* and Cristiano Vezzoni, University of Milan |
| 12:15 – 13:15 | Lunch Break |
| 13:15 – 14:45 | Session 9: Nonresponse bias assessment |
| Room 1 | Chair: Vicki Pineau, NORC at the University of Chicago |
| | Does adding a survey language pay off? A method for analysing the potential for reducing representation bias Micheal Ochsner ^(1,2) and Oliver Lipps ^{(1)*} ⁽¹⁾ FORS Lausanne, ⁽²⁾ ETH Zurich |
| | Assessing nonresponse bias by permitting individuals to opt out of a survey Taylor Lewis*, RTI International |
| | Strategies to minimize non-response bias Nils Galberg Enoksen*, Bo Bilde, and Monika Klingsbjerg-Besrechel, Danmarks Statistik |
| 14:45 – 15:00 | Coffee Break |
| 15:00 – 16:30 | Session 10: Non-survey data sources and errors |
| Room 1 | Chair: Kevin L. McKinney, U.S. Census Bureau |
| | Measuring statistical uncertainty in admin-based population estimates. Louisa Blackwell ^{(1)*} , Katy Stokes ⁽¹⁾ , and Peter W. Smith ⁽²⁾ ⁽¹⁾ Office for National Statistics, ⁽²⁾ University of Southampton |

Estimates of accuracy of statistical registers based on Anticipated Variance

Giorgio Alleva⁽¹⁾, Piero Demetrio Falorsi⁽²⁾, Francesca Petrarca^{(2)*}, and Paolo Righi⁽²⁾

⁽¹⁾ Sapienza University of Rome, ⁽²⁾ Italian National Statistical Institute

Correcting survey measurement error using road sensor data

Jonas Klingwort^{(1,2)*}, Bart Buelens⁽³⁾, Joep Burger⁽¹⁾, and Rainer Schnell⁽²⁾

⁽¹⁾ Statistics Netherlands, ⁽²⁾ University of Duisburg-Essen, ⁽³⁾ Flemish Institute for Technological Research

16:30 - 17:30

Concluding Panel "Integration of surveys and alternative data sources"

Room 1 Paul Biemer, RTI International

Lars Lyberg, Stockholm University

Peter Lynn, University of Essex

Planning for Next Year