

## February 2023 Newsletter: International Association of Survey Statisticians

### **About the IASS**

The **January 2023** issue of **The Survey Statistician** is now out featuring:

- Letter from the Editor, Letter from the President, Report from the Scientific Secretary, News and Announcements
- Ask the Expert: **Mixed mode official surveys. Current status and near future**, by Barry Schouten, Jan van den Brakel, Dierdre Giesen, Annemieke Luiten and Vivian Meertens
- New and Emerging Methods: **Using Social Media to Enhance Survey Data**, by Annamaria Bianchi, Camilla Salvatore and Silvia Biffignandi
- Book review: **Multiple Imputation of Missing data in Practice**, Basic Theory and Analysis Strategies, by Yulei He, Guangyu Zhang and Chiu-Hsieh Hsu. Reviewed by Maria Michela Dickson
- Software review: **Multiple Imputation of Missing Complex Survey Data using SAS®: A Brief Overview and An Example Based on the Research and Development Survey (RANDS)**. Reviewed by Yulei He and Guangyu Zhang
- **Country Reports**: Australia, Canada, Croatia, Estonia, France, Germany, Netherlands, New Zealand, Peru, Portugal, Switzerland, United Kingdom, Ukraine, United States.

It is a very rich issue! We are very grateful to the Editors! Don't miss it ☺

<http://isi-iass.org/home/services/the-survey-statistician/>

[http://isi-iass.org/home/wp-content/uploads/Survey\\_Statistician\\_2023\\_January\\_N87.pdf](http://isi-iass.org/home/wp-content/uploads/Survey_Statistician_2023_January_N87.pdf)

If you would like to contribute an article for future issues to the *Ask the Experts*, *New and Emerging Methods*, and *Book and Software Review* sections please approach the TSS editors or M. Giovanna Ranalli (email below).

IASS Newsletters are available at <http://isi-iass.org/home/services/newsletters/>

The calendar of events is available at <http://isi-iass.org/home/events/>

Follow IASS activities and updates on LinkedIn!

<https://www.linkedin.com/company/international-association-of-survey-statisticians-iass>

Follow the IASS Twitter account [https://twitter.com/iass\\_isi](https://twitter.com/iass_isi) and the IASS Facebook page <https://www.facebook.com/iass.isi>

Please feel free to send items to publish in future IASS newsletters to M. Giovanna Ranalli by the 15<sup>th</sup> of each month [giovanna.ranalli@unipg.it](mailto:giovanna.ranalli@unipg.it)

### **Call for Conference Support for 2023**

The International Association of Survey Statisticians (IASS) will consider providing financial support to organizations/societies planning workshops, conferences and similar events that:

- promote the study and development of the theory and practice of statistical surveys and censuses and associated subjects, and
- foster interest in these subjects among statisticians, organizations, governments, and the general public in different countries of the world.

All info can be found here <http://isi-iass.org/home/wp-content/uploads/Call-for-Conference-Support-2023.pdf>

### **IASS Webinar Series**

The IASS Webinar Series continues to be a **very successful** initiative. The recent webinar by **Linda J. Young** on **Integrating Survey and Non-Survey Data in the Production of U.S. Official Agricultural Statistics** held on Wednesday, February 22<sup>nd</sup>, 2023, was very inspiring and was followed by a very interesting discussion of more than thirty minutes! If you could not attend it, please do not miss the chance to watch the video recording and view the slides. The current timetable for upcoming IASS webinars is below. Note that CET is Central European Time. Links to register for the webinars are provided below. More details, such as abstracts will be directly emailed to registered members and can be viewed in the calendar of events at <http://isi-iass.org/home/events/>. A list of previous IASS webinars with the attached slides can be found at <http://isi-iass.org/home/webinars/> and recordings are available <https://www.isi-web.org/events/webinars>. If you would like to contribute with suggestions for future speakers, please contact Andrea Diniz da Silva at [andrea.silva@ibge.gov.br](mailto:andrea.silva@ibge.gov.br)

**#27:** 29 March 2023, 2:00 – 3:30 pm (CET). TBA.  
Bella Struminskaya, Utrecht University

**#28:** 26 April 2023, 2:00 – 3:30 pm (CET). TBA.  
Gabiella Donatiello, ISTAT

**#29:** 31 May 2023, 2:00 – 3:30 pm (CET). **Fitting Classification Trees to Complex Survey Data.**  
Jean Opsomer, Westat and University of Maryland. Register at: <https://bit.ly/IASS-webinar-29>

### **Short Courses Program at ISI-2023**

A rich program of short courses will be held on July 14 and 15, 2023 at the University of Ottawa right before the 64<sup>th</sup> ISI World Statistics Congress. At least 4 courses are of interest to IASS members:

- An introduction to the theory and application of Small Area Estimation by Jean-François Beaumont (Statistics Canada) --1 day
- Statistical Data Privacy by Anne-Sophie Charest (Université Laval) and Jingchen (Monika) Hu (Vassar College) --2 days

- Graph Sampling by Li-Chun Zhang (University of Southampton/Statistics Norway) --1 day
- Statistical Data Integration by Jae-kwang Kim (Iowa State University) --1 day

More details have now been posted on the conference web page  
<https://www.isi2023.org/conferences/short-courses/>

### ***JOS calls for papers***

There are two upcoming calls for papers for special issues in the Journal of Official Statistics: one is on integrating data from multiple sources for production of official statistics and the other on time series analysis in official statistics.

#### **Call for papers to the special issue on integrating data from multiple sources for production of official statistics**

The Journal of Official Statistics has the pleasure to announce an upcoming special issue on integrating data from multiple sources for production of official statistics from a methodological perspective. Manuscripts are welcome on statistical methods related to incorporating data from new sources, such as:

- web-scraped data from online platforms and open data;
- travel surveys by GPS;
- smartphone data and data obtained by other handheld devices;
- data integration techniques for combining probability samples, non-probability samples, big data samples and similar;
- administrative data and data in public domain;
- methods for data integration such as small area & domain estimation, calibration mass imputations etc. ;
- building up infrastructure and frameworks for data integration;
- quality issues related to integrating data from multiple sources;
- and other related methods and topics.

The Guest Editors for the special issue are Johan Fosen (Statistics Norway), Anders Holmberg (Australian Bureau of Statistics), Ingegerd Jansson (Statistics Sweden), Danutė Krapavickaitė (formerly at Vilnius Gediminas Technical University), and Ton de Waal (Tilburg University).

The **deadline** for submission is **June 30, 2023**.

#### **Call for papers to the special issue on time series analysis in official statistics**

The Journal of Official Statistics has the pleasure to announce a coming special issue on time series analysis in official statistics in a broad perspective. Very welcome are research work on time series modelling with potential applications in official statistics; seasonal adjustment and related subjects; forecasting and backcasting using time series models; impact of shocks to time series caused by for example pandemics, wars, or other causes; time series break with redesign of surveys; temporal or contemporaneous disaggregation and reconciliation; analysis of high frequency data or other type of time series data; time series privacy; and other related topics.

The Guest Editors for the special issue are William R Bell (U.S. Census Bureau), Tommaso Di Fonzo (University of Padova, Italy), Dominique Ladiray (INSEE and Eurostat, France), Tucker McElroy (U.S. Census Bureau), and Paul Smith (University of Southampton, UK).

The **deadline** for submission is **September 30, 2023**.

**Conferences on survey statistics and related areas (check for updates!)**

**SAE2023 Lima, Peru CANCELED** In the past weeks, political disturbances started in a major way in Peru. For the last 6 weeks or so the Organizers of the conference have been monitoring the situation in Peru, and it is now clear that they cannot hold a conference there in June 2023. Several countries have travel embargoes on Peru and all tourist locations there (including Machu Pichu) are closed. So very reluctantly, they had to postpone this conference.

**ItaCoSM-2023** The 8<sup>th</sup> **Italian Conference on Survey Methodology** will be held in Arcavacata di Rende, **Cosenza, Italy**, Università della Calabria, on **June 7-9, 2023**. **Authors wishing to present a paper are invited to submit an abstract by March 13, 2023**. A prize for the best talk/contribution is established for **young researchers** (under 35). For all information and updates please visit the Conference website

<https://meetings3.sis-statistica.org/index.php/itacosm2023/main>

**ISI2023** The 64<sup>th</sup> **ISI World Statistics Congress** will be face-to-face and held in **Ottawa, Canada** on **July 16 - 20, 2023**. <https://www.isi2023.org/conferences/ottawa-2023/>

**BANOCOSS2023** The 6<sup>th</sup> **BAltic-NOrdic COnference on Survey Statistics** will be held in **Helsinki, Finland, in August, 21-25, 2023**. The call for papers is now out with a deadline set at April 30. All details can be found here <https://wiki.helsinki.fi/display/BNU/BANOCOSS2023>

**EESW23** The 8<sup>th</sup> **biennial European Establishment Statistics Workshop** will be held on **September 19-22, 2023** at Statistics Portugal in Lisbon. The call for abstracts is out with a deadline of April 7<sup>th</sup> 2023. Abstracts are especially welcome in the fields of data collection management, responding to demand for new outputs and the changing environment for business statistics, under the broad heading of "Traditional and new data sources for establishment statistics". But they can also be on any aspect of survey methodology for business statistics and statistics for other institutional units. More information: <https://sites.google.com/enbes.org/home/home/news-and-events/eesw23>

**BigSurv23** The 3<sup>rd</sup> international conference on **Big Data Meets Survey Science** will be held on **October 26-29, 2023**, at Universidad San Francisco de Quito in Ecuador. It is currently accepting abstracts and session proposals on **Connecting Innovations in Data Science, Survey Research, and the Social Sciences**. The call for abstracts and session proposals is now closed. Additional information can be found on the BigSurv23 website at <https://www.bigsurv.org/abstracts>

**Sampling Program for Survey Statisticians**

The Sampling Program for Survey Statisticians will be offered as an in-person educational opportunity by the **Survey Research Center at the University of Michigan's Institute for Social Research** in Ann Arbor, Michigan, from **June 1 to July 28, 2023**. Founded by Professor Leslie Kish in 1961, the Sampling Program is devoted to training statisticians in sound probability sampling methods for diverse complex survey research problems. Since its inception, the Sampling Program has trained hundreds of participants from over 100 countries.

This intensive eight-week training program covers the principles and practice of survey sampling, the analysis of complex sample survey data, and application of sampling methods in many settings in three courses:

- Methods of Survey Sampling
- Analysis Methods for Complex Sample Survey Data
- Workshop in Survey Sampling

Participants in the Sampling Program enroll in these three courses and are considered Fellows in the Program. The methods and the analysis courses may be taken without being a Fellow, but the workshop is reserved only for Sampling Program Fellows and cannot be taken alone. The online application is now open at <https://si.isr.umich.edu/registration/application/?link=application>. Limited scholarship assistance is also offered through the Leslie Kish International Fellowship. For more information, please visit <http://www.si.isr.umich.edu/spss> or email [isr-summer@umich.edu](mailto:isr-summer@umich.edu).

### ***Book of the month***

The book **Mixed-Effects Models and Small Area Estimation** has just been released as a Springer Brief. Shonosuke Sugawara and Tatsuya Kubokawa provide a self-contained introduction of mixed-effects models and small area estimation techniques. First, basic issues of mixed-effects models, such as parameter estimation, random effects prediction, variable selection, and asymptotic theory, are introduced. Then, standard mixed-effects models used in small area estimation, such as the Fay-Herriot model and the nested error regression model, are introduced. Both frequentist and Bayesian approaches are considered and methods to calculate mean squared errors and confidence intervals are discussed. Extensions to non-normal responses, robust methods, nonparametric regression and errors in covariates are also considered. The book can be helpful for researchers and graduate students in fields requiring data analysis skills as well as in mathematical statistics.

<https://link.springer.com/book/10.1007/978-981-19-9486-9>