survey RESEARCH methods section Newsletter

Inside this Newsletter

Message from the Section Chair

Brady T. West

Hello SRMS Members! I hope that everyone is enjoying their summers thus far. With this newsletter, we are excited to share several new SRMS developments and emphasize some of our wonderful member benefits. I'll try to open with a summary of everything that's going on!

First, sincere congratulations to the newly elected officers of the section. Please join me in welcoming Eric Rancourt as the 2024 Chair-Elect; Chris Moriarity as the 2024 Program Chair-Elect; Martha McRoy as the 2024-2025 Secretary; and Andreea Erciulescu as the 2024-2026 Council of

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Sections Representative. These new officers represent a good mix of experience and new energy, and SRMS is certainly in good hands moving forward.

Second, I'm happy to report that there will no longer be any costs associated with access to electronic copies of the *Journal of Survey Statistics and Methodology* for SRMS members. This is a tremendous benefit to all SRMS members, so if you have colleagues who are on the fence about joining or have not yet joined (for whatever reason), please share this information with them to help convince them to join!

Third, the current board of officers recently voted to approve SRMS sponsorship of the 2024 International Conference on Establishment Statistics (ICES) VII. This is a popular and well-attended conference in our field, and this sponsorship decision represents an important cost-sharing opportunity for the section. Please consider attending if you are able! The conference will take place June 17-20, 2024, in Glasgow, Scotland.

Fourth, the SRMS Poster Competition at JSM is coming back in 2023! Thanks to everyone who has signed up to serve as a judge for this competition. Stay tuned to see our usual great slate of SRMS posters at JSM in Toronto, and good luck to everyone in the competition!

Fifth, SRMS has a new webmaster (Maura Bardos from EIA), and Maura has recently completed an update of the SRMS JSM Proceedings page. We are continuing to actively maintain and review the information at this web page, but this is another tremendous SRMS member benefit. Please take a look when you get a chance: asasrms.org.

Finally, the SRMS Business Meeting will take place the evening of Wednesday, August 9 at 6pm in Ballroom B of the Intercontinental Toronto Center. SRMS will be providing food and drinks, so please make plans to join us and hear about the year in review (along with upcoming activities)!

Please enjoy reading the rest of the newsletter, and as always, please never hesitate to contact me if you have any questions or suggestions for the section. Thank you for reading, and looking forward to seeing everyone at JSM!

Brady

SRMS Membership Highlights

Darcy Steeg Morris and Wendy Van de Kerckhove

Are you taking advantage of all the benefits the SRMS has to offer? In addition to being part of a community of survey methodologists, survey statisticians, and survey data scientists, your membership grants you access to the following:

Online version of the *Journal of Survey Statistics and Methodology (JSSAM)*

Check out the June 2023 *Special Issue on Recent Advances in Data Integration*. You can explore survey methodology research on data linkage requests, dive into a primer on the data cleaning pipeline, discover how integrating survey and administrative data allowed for the estimation of WIC eligibility and access, and much more.

To gain access to locked articles, please follow these steps:

- On the JSSAM website, click "Get access" next to the article name.

- Follow the instructions for signing in through the "American Statistical Association members" link.

The link is currently not functioning as intended. The ASA is aware of this issue and is working to resolve it.

AAPOR webinar recordings

If you are regretting missing out on an intriguing webinar topic or wishing you could go back and listen to that enlightening webinar you heard two years ago, you are in luck. SRMS members can view AAPOR webinar recordings from 2016-2022 for free. Interested in honing your R skills? Check out the webinars *Data Visualization in R* and *A Primer to Web Scraping with R*. Getting ready for the next election? Try *AAPOR Task Force on 2020 Election Polling* and *Accuracy in Election Polling: Lessons from 2016 for Covering 2020*. Explore dozens of other topics at the AAPOR webinar site.

To access the webinars, please follows these steps:

- If you are already an AAPOR member with an account on the AAPOR website, please let Brady West (bwest@umich.edu) know that you would like to access the past webinars, and he will let the AAPOR staff know to upgrade your access privileges.

- If you do NOT yet have an AAPOR account, please visit portal.aapor.org, and click on the "set up an account" tab. Let Brady West (bwest@umich.edu) know when you've set up an account, and he will let the AAPOR staff know to upgrade your access privileges.

Discounts on SRMS webinars and short courses

Recent SRMS webinars included Yves Tillé's presentation on "Innovations in Spatial Sampling" and Jonathon R. Bradley and Scott H. Nolan speaking on "Bayesian Dependent Data Modeling for Official Statistics and Survey Methodology". Visit the SRMS webinars site for more information.

Report from the Treasurer

Rebecca Andridge

Thank you to all our members for your support! Membership dues are still $8 a year and free for students – ASA members can also try sections out for free for a year.

Our finances for last year and this coming year are starting to look more like pre-pandemic years, primarily driven by JSM returning to an in-person format.

A high-level summary of the last calendar year (2022) includes:

- Income (~$6,300), primarily from:
    - Membership dues (~$4,700)
    - Webinar registration fees (~$1,400)
- Expenses (~$17,000), primarily from:
    - JSM SRMS Mixer (~$6,500)
    - Big Surv Sponsorship ($6,000)
    - JSM 2022 Student Paper and Travel Awards ($3,825)

Despite our expenses being larger than our income in 2022, our finances are still in great shape. As of May 31, 2023, we have an account balance of approximately $35,000, which is roughly twice our 2022 expenses. Importantly, expenses such as the Big Surv sponsorship frequently turn into revenue, as the section will share in any profits. Additionally, a deal has been reached with the publisher of JSSAM that includes free access for all SRMS members *without any additional cost to SRMS*! So that expense of ~$3,000 per year – which we have been incurring since that journal started – will no longer be on our books.

Of course, we are always on the lookout for additional revenue opportunities or reduction in expenses. We are working to offer more webinars and continue to invest in conferences in an effort to maintain these important sources of income. We also welcome ideas for sponsorship and educational opportunities to benefit our members!

Check out all our member benefits here. Did you know that our members can access the SRMS proceedings from past JSMs (1958-2021) as well as the ICES proceedings? Check it out!

Thanks for your membership in SRMS and for paying your dues!

2023 SRMS ASA Fellows

SRMS Fellows Committee

Congratulations to SRMS members **Tony An**, **Marcus Berzofsky**, and **Booil Jo** for being named 2023 ASA Fellows! The full list of all new fellows is available at https://ww2.amstat.org/fellows (sort by *Year Elected* and/or click on *Most Recent Fellows*).

SRMS has established the SRMS Fellows Nomination Committee with the role of helping to facilitate the ASA Fellow nomination process by identifying worthy SRMS candidates and finding people to spearhead their nomination. The committee members are Kristen Olson (University of Nebraska – Lincoln, Chair), Craig Hill (RTI), and Mary Mulry (Census Bureau). Please feel free to contact any committee member if you wish to nominate an SRMS colleague for ASA Fellow.

Congratulations to the JSM 2023
SRMS Student Travel Award Winner

Rebecca Andridge

Each year SRMS gives awards to students to cover part of the costs of attending JSM. Applicants submit a short essay, a letter of recommendation from a faculty member, and college transcripts. A panel appointed by the SRMS Executive Committee selects the awardee(s) based on the submitted materials. The 2023 panel consisted of Brady West (SRMS Chair) and myself.

The recipient of the JSM 2023 SRMS Student Travel Award is **Chengpeng Zeng, Iowa State University, Department of Statistics**. Congratulations to Chengpeng!

SRMS is committed to providing a financial award to allow deserving students to travel to the JSM. We look forward to awarding student travel funding for the 2024 JSM in Portland, Oregon (August 3-8, 2024). Unfortunately, we have seen a decline in applications in recent years – if you are an SRMS member who knows of deserving students, please encourage them to apply! The application will be available in October 2023 (on the SRMS website).

Historically, applications for the travel award were due in mid-December. Since students may not decide whether they will attend the JSM until closer to the JSM abstract submission deadline (usually in early February), the SRMS Executive Committee has decided to extend the **application deadline for the 2024 Student Travel Awards to January 15, 2024**. Please help us spread the word – we want to help students attend JSM!

Congratulations to the JSM 2023
GSS/SRMS/SSS Student Paper Award Winners

Pushpal Mukhopadhyay

The Survey Research Methods Section, Government Statistics Section, and Social Statistics Section jointly offer five awards to students and recent graduates for presenting their papers on new statistical methodology or creative applications of statistical analyses to problems, issues, or policy questions related to the subject areas of one of the sponsoring sections at the Joint Statistical Meetings (JSM). A subsidy of up to $1,000 is provided to each winner to cover expenses to attend the JSM, where the winners present their papers at a topic-contributed session. We received over 50 applications this year. I am pleased to announce the following winners:

Yuke Wang, Georgia State University; *"Bayesian Jackknife Empirical Likelihood-based Inference for Missing Data and Causal Inference Problems"*

Rahul Singh, Massachusetts Institute of Technology; *"Causal Inference with Corrupted Data: Measurement Error, Missing Values, Discretization, and Differential Privacy"*

Elizabeth Bersson, Duke University; *"Optimal Conformal Prediction for Small Areas"*

Yi Zhang, Harvard University; *"Safe Policy Learning under Regression Discontinuity Designs with Multiple Cutoffs"*

Melody Huang, University of California, Berkeley; *"Sensitivity Analysis for Survey Weights"*

The five winners will present their papers in the topic contributed session on **Thursday, August 10, 8:30 to 10:20 AM in room CC-717A**.

Please encourage your students to apply for the 2024 competition. Applications are typically due in mid-December.

JSM 2023 Information from the Program Chair

Andreea Erciulescu

A rich and an exciting program awaits at JSM 2023! We are sponsoring 6 invited sessions, 9 topic-contributed sessions, 8 contributed sessions, 18 poster and speed entries, on a variety of interesting topics. In addition, we are co-sponsoring various sessions. Below is a list of the sessions for which we are the main sponsor:

Invited Sessions

- *Formally Private Disclosure Limitation Methods for Establishment Data*; Sunday, August 6, 2023, 2:00-3:50PM; organizer Daniell Toth; chair Daniell Toth

- *Missing Data: The Where, the How, and the Why*; Monday, August 7, 2023, 8:30-10:20AM; organizer Sahar Zangeneh; chair Matt Williams

- *Modern Techniques in Robust Estimation for Handling Outliers and Influential Units*; Tuesday, August 8, 2023, 8:30-10:20AM; organizer Sixia Chen; chair David Haziza

- *Advanced Methods of Using Auxiliary Information to Improve Inferences of Population Quantities*; Tuesday, August 8, 2023, 2:00-3:50PM; organizer Lingxiao Wang; chair Sixia Chen

- *Using Machine Learning & Data Science Methods to Improve Model Assisted Estimation & Survey Design*; Wednesday, August 9, 2023, 10:30AM-12:20PM; organizer Morgan Earp; chair Katherine Thompson

- *Contributions to Inference from Survey Samples*; Thursday, August 10, 2023, 8:30-10:20AM; organizer Balgobin Nandram; chair Guofen Yan

Topic-contributed Sessions

- *50 Years of NCVS Data: What We've Accomplished and Where We Are Headed*; Sunday, August 6, 2023, 2:00-3:50PM; organizer Heather Brotsos; chair Alex Piquero

- *Recent Advances in Statistical Modeling and Machine Learning for Dependent Data in Official Statistics and Survey Methodology*; Sunday, August 6, 2023, 2:00-3:50PM; organizer Scott Holan; chair Scott Holan

- *40 Years of the Survey of Consumer Finances: Building a Community of Use for Evidence Building*; Monday, August 7, 2023, 8:30-10:20AM; organizer Arthur Kennickell; chair Arthur Kennickell

- *Cell Suppression Methods for Economic Census and Establishment Surveys*; Tuesday, August 8, 2023, 8:30-10:20AM; organizer Yang Cheng; chair Yang Cheng

- *Combining Economic Survey Data with Other Data Sources*; Tuesday, August 8, 2023, 2:00-3:50PM; organizers Christopher Henry and Angelika Welte; chair Henry Christopher

- *Field Survey Labor Challenges in the U.S.*; Wednesday, August 9, 2023, 8:30-10:20AM; organizer Brad Edwards; chair Brad Edwards

- *Getting the Utility Out of Privatized Data*; Wednesday, August 9, 2023, 2:00-3:50PM; organizer Daniell Toth; chair Michael Hawes

- *Cryptocurrency Surveys: What Data Tells Us?*; Thursday, August 10, 2023, 8:30-10:20AM; organizer Daniela Balutel; chair Kim Huynh

- *Measurement of Sexual Orientation and Gender Identity in Federal Surveys*; Thursday, August 10, 2023, 10:30AM-12:20PM; organizers Kathy Ott and Struther VanHorn; chair Kathy Ott

Contributed Sessions

- *Exploring Auxiliary Resources at Early Stages in the Sampling Process*; Monday, August 7, 2023, 10:30AM-12:20PM; chair Katherine Irimata

- *Hierarchical Models for Survey Data*; Monday, August 7, 2023, 10:30AM-12:20PM; chair Akhil Vaish

- *Evaluating and Addressing Survey Nonresponse*; Monday, August 7, 2023, 2:00-3:50PM; chair Daifeng Han

- *Survey and Data Science*; Tuesday, August 8, 2023, 10:30AM-12:20PM; chair Victoria Landsman

- *Analyzing Health Survey Data*; Wednesday, August 9, 2023, 8:30-10:20AM; chair Erin Tanenbaum

- *Sampling and Evaluation Strategies to Improve Coverage and Response*; Wednesday, August 9, 2023, 10:30AM-12:20PM; chair Jieru Chen

- *Weighting Adjustments*; Wednesday, August 9, 2023, 2:00-3:30PM; chair Evrim Oral

- *Model-based Estimation for Survey Data*; Thursday, August 10, 2023, 10:30AM-12:20PM; chair Justin McIllece

Contributed Speed Entries; Sunday, August 6, 2023, 2:00-3:50PM (speed presentations) and 5:15-6:00PM (posters on display)

- *Propensity Score Weighting with Survey Weighted Data when Outcomes are Binary*; presenter Chen Yang

- *Generalized Estimating Equations for Interpretable Coefficients of Trends, Seasonality & Covariates*; presenter Harold Gomes

- *Outlier Detection for Administrative Data*; presenter John Bunker

- *Using Propensity Score Estimation with Survey Weighted Data to Estimate Population Treatment Effects*; presenter Lihua Li

- *Evaluating the Hidiroglou-Berthelot Method for Survey Data Collected by the US EIA*; presenter Michael Winkler

- *Constructing Better 'Confidence' Intervals for Proportions and Tests of Differences Among Them*; presenter Phillip Kott

- *To Calibrate or Not to Calibrate: Disability Measurement & Calibration in a State Health Survey*; presenter Robert Ashmed

- *Calibrating the Census' Low Response Score*; presenter Stanislav Kolenikov

- *Creating Compact Sampling Units Meeting Population Constraints for In-Person Surveys*; presenter Stephanie Zimmer

Contributed Poster Entries

- Wednesday, August 9, 2023, 10:30AM-12:20PM

  - *Equating Monitor Based to Self-Reported Physical Activity by Zero-Inflated Quantile Regression*; presenter Chengpeng Zeng

  - *Extension of Ardah and Oral's two-stage RRT to the Polychotomous Case*; presenter Evrim Oral

  - *Uncertainty Estimation for U.S. Crime Estimates using the National Incident Based Reporting System*; presenter George Couzens

  - *Error Sources, Data Summaries and Data Cleaning from a World War I Era Survey*; presenter Gerald Shoultz

  - *Representative Sampling Off the Rural Road: Lessons from a Sampling Design and Survey Implementation*; presenter Stuart Sweeney

  - *Estimation of US County-level Average Unhealthy Days by Zero-Inflated Model and Hurdle Model*; presenter Yan Wang

  - *Dynamic Time-to-Event Models for Future Call Attempts Required Until Interview or Refusal*; presenter Xinyu Zhang

- Monday, August 7, 2023, 2:00-3:50PM

  - *The Seat-belt Use Rate Study, Based on Iowa's Data*; presenter Zirou Zhou

  - *Machine Learning Applications to Survey Quality Control and Fraud Detection*; presenter Timothy Van Blarcom

The poster and speed entries automatically entered the JSM 2023 SRMS Poster and Speed Competition.

In addition, the Survey Research Methods Section has organized the following **breakfast and lunch roundtable discussions** at JSM 2023:

- Mike Larsen, St. Michael's College, *ML03: Record Linkage: Connecting Government, Industry, and Academe*, Monday, Aug 7: 7:00 AM - 8:15 AM.

- Shelley Roth, Westat, *TL04: A Day in the Life of a Survey Statistician*, Tuesday, Aug 8: 7:00 AM - 8:15 AM

- Daniell Toth, US Bureau of Labor Statistics, *WL03: Fitting Design Consistent Regression Trees and Random Forests for Survey Data*, Wednesday, Aug 9: 7:00 AM - 8:15 AM

- Phillip Kott, RTI International, *ML14: A Relatively Easy Guide to Applying Large-Sample Theory in Survey Sampling*, Monday, Aug 7: 12:30 PM - 1:50 PM

- Paul John Lavrakas, Independent Consultant, *TL15: Leveraging Auxiliary Data to Enhance Survey Outcomes*, Tuesday, Aug 8: 12:30 PM - 1:50 PM

- Aref Dajani. US Census Bureau, *WL15: Managing Re-Identification Risk for Microdata*, Wednesday, Aug 9: 12:30 PM - 1:50 PM

Thank you to all participants who submitted strong session proposals and/or paper abstracts! Thank you to all who volunteered to serve as chair and/or judge! Enjoy the meetings!

SRMS Newsletter Submission Guidelines

Darcy Steeg Morris and Wendy Van de Kerckhove

The SRMS newsletter is published twice a year in mid-January and in mid-July, typically posted on the SRMS website (https://community.amstat.org/surveyresearchmethodssection), and shared on ASA Connect. All SRMS members are welcome to submit items that may be of interest to other SRMS members for publication in the newsletter.

The deadline for submissions to the January newsletter is mid-December 2023. Any submissions received after the deadline may not be accepted.

The SRMS newsletter could include:

- JSM-related materials;

- Announcements of upcoming conferences, seminars, webinars, or short courses (taking place after the newsletter's publication date);

- Summaries of recent events or awards involving SRMS members (pictures always appreciated!).

Other types of submissions are also welcome! All submissions are subject to review by the newsletter editors and by the SRMS Executive Committee, and may be edited for length and/or clarity.

Please email any submissions to Darcy Steeg Morris (darcy.steeg.morris@census.gov) and Wendy Van de Kerckhove (WendyVanDeKerckhove@westat.com), either in the body of an email or in a Microsoft Word attachment. We cannot accept PDFs.

Your SRMS Officers for 2023

Chair: Brady West

Chair-Elect: Don Jang

Past-Chair: Jean Opsomer

Treasurer: Rebecca Andridge

Secretary: Qixuan Chen

2023 JSM Program Chair: Andreea Erciulescu

2023 JSM Program Chair-Elect: Pushpal Mukhopadhyay

Publications Officer: Hanyu Sun

Education Officer: Julia Soulakova

Section Representatives: Stas Kolenikov and Kristen Olson

Contact information can be found at
http://ww2.amstat.org/sections/officers.cfm?txtComm=SSRMS.

Newsletter Editors: Darcy Steeg Morris and Wendy Van de Kerckhove

Website Editor: Maura Bardos

Student Representatives: Ulrich Kemmo Tsafack and Stephanie Morales

ASA Staff Liaison: Rick Peterson

SRMS Mission Statement

SRMS has over 1,100 members, of which over 100 are based outside of North America. The Survey Research Methods Section is for Association members who research survey methodology or employ survey methods as a prime tool of investigation. Some areas of special interest are:

- ❖ Design and execution of sample surveys;
- ❖ Analysis and presentation of survey data;
- ❖ Statistical inference from survey data;
- ❖ Publication of developments and findings in survey research;
- ❖ Standards of design, estimation, and reporting of surveys;
- ❖ Promotion of uniform survey terminology;
- ❖ Use of survey research procedures and findings to inform public policy, including relations between public and private agencies in the design, conduct, and presentation of findings of surveys; and
- ❖ Ethics relating to the conduct of survey research and to respondents and potential respondents.

Member Benefits

- ❖ Contributing a community and platform within the broader statistical community for sharing and discussing survey research, methodology, as well as emerging opportunities in our field;
- ❖ Being connected with the ASA survey research methods community and receiving an invitation to the annual section business meeting;
- ❖ Representing the survey statistics community and showing solidarity and support to the survey research profession;
- ❖ Accessing the SRMS email listserv and newsletter including career and learning opportunity announcements;
- ❖ Accessing to the online edition of the *Journal of Survey Statistics and Methodology (JSSAM)*;
- ❖ Participating in SRMS member-only discounts for webinars and short courses;
- ❖ Receiving AAPOR member pricing on most webinars;

- ❖ Viewing all the 2016-2022 AAPOR webinars for free (email Brady West for the username and password to login to AAPOR's website);
- ❖ Accessing all the SRMS JSM proceedings, the ICES proceedings, the Hard to Reach (H2R) proceedings, and AAPOR Proceedings on the section's proceedings website;
- ❖ Supporting free student membership, student conference travel awards, and student paper awards.

Not a member yet? Here is how you can join:

- If you are not an ASA member, go to the membership page of the ASA and apply to be a member of the ASA; make sure to select "Survey Research Methods" from the "Choose Your Section(s)" list.
- If you are already an ASA member or renewing a membership, select to Join a Section! to add SRMS membership to your account.

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For more information on SRMS resources, member benefits, and much more, check out the SRMS website at https://community.amstat.org/surveyresearchmethodssection/home.