NISS

Affiliates Update

WELCOME!

This monthly Affiliates Update highlights upcoming NISS sponsored events and activities.

PLEASE CIRCULATE THIS AFFILIATES UPDATE TO YOUR COLLEAGUES!

NISS sponsored events encourage cross-sector and cross-disciplinary networking. Let us know if you are planning an event and would like NISS to co-sponsor it. NISS affiliates can use their award funds to support these events or receive discounted registration. For more information about the NISS Affiliate program, see: https://www.niss.org/affiliate-program-information.

James Rosenberger
Director NISS

UPCOMING EVENT: NISS WRITING WORKSHOP FOR EARLY RESEARCHERS!

The National Institute of Statistical Sciences (NISS) has been hosting the **Writing Workshop for Early Researchers** since 2007!

Each year, in conjunction with JSM, NISS gathers a host of senior authors, editors, grant writers/reviewers—individuals who take valuable time out of their day to share their advice and experiences with a group of junior faculty and early researchers. Evidence of the value of this workshop experience can be judged by:

1) the number of experienced, senior statisticians, authors and editors that have volunteered for years on end to share their wisdom and advice and 2) the number of session contributors that were once actual participants in the workshop! It is never too late to think about who might benefit next from this workshop at JSM 2022!

Workshop Schedule Highlights

Friday, July 29th, 2022 - Zoom
   Tutorial 1: Writing Well as an Act of Kindness for Our Students and Colleagues
   Tutorial 2: Choosing Where to Publish
   Panel 1: Statistics and Data Science Journals
   Tutorial 3: Reviewing and Revising

Friday, August 5th, 2022 - Zoom
   Tutorial 4: How to Write a Collaborative Paper
   Panel 2: Grant Writing
   Tutorial 5: Ethical Issues and Reproducibility
   Happy Hour (BYOB) and hang out in the Classroom to swap email and contact information.

Sunday, August 7th, 2022 (at JSM)
   Tutorial 6: How to Get Started and Avoid Writer's Block
   Panel 3: Speaking from Experiences and Career Development
   Networking Event Including Previous Virtual Writing Workshop Attendees from 2020 & 2021!

List of Session Speakers / Mentors confirmed for 2022!

Cheryl Eavey, Susan Ellenberg, Xuming He, Peter Imrey, Nicholas Jewell, Galin Jones, Karen Kafadar, Nicole Lazar, Shuangge Steven Ma, Edsel Pena, Donald Richards, James Rosenberger, William Rosenberger, Lingzhou Xue, and more to be confirmed!

We are Looking Forward to this
Career Changing Event!

2021 NISS Writing Workshop for Junior Researchers

UPCOMING EVENT: JOIN NISS AT JSM 2022!

The American Statistical Association once again is offering a live component to its annual Joint Statistical Meetings (JSM) and given the fact that Washington, D.C. is one of NISS's headquarter locations, you bet NISS is involved! Here is a run down of events at JSM that involve NISS research, individuals involved in or related to NISS. In addition, NISS is holding is **Affiliates Luncheon Meeting** as well as the **NISS Reception**.

NISS at JSM - Mark Your Programs!

SUNDAY, AUGUST 7th

NISS Writing Workshop for Junior Researchers - Day 3
7:30am-3:30pm - Marriott Marquis: Supreme Court

NISS Affiliate Luncheon
12:00pm - 2:30pm - Marriott Marquis: Independence C
Agenda Coming Soon!

MEET-UP! NISS Graduate Student Network and NISS Writing Workshop for Junior Researchers from 2020, 2021 and 2022!
6pm-8pm - Marriott Marquis: Judiciary Square

MONDAY, AUGUST 8th

9:20 AM - CC-154A **#114** Time Series Methods and Applications, *"A Computationally Efficient Model for Large Scale Crop Type Forecasting."* Jonathon Abernethy, USDA-NASS; Luca Sartore, NISS/USDA-NASS; Kevin Hunt, USDA-NASS; Claire Boryan, USDA-NASS.

NISS Reception
6 – 8:30pm - Marriott Marquis: Supreme Court
  2022 *Jerome Sacks Award for Outstanding Cross-Disciplinary Research,*
  2022 *NISS Distinguished Service Award and the*
  2022 *NISS Distinguished Alumni Award*
Presentations beginning at 6:30 pm!

TUESDAY, AUGUST 9th

7-8:15 AM TL02 in CC-Ballroom Level South **#211** Government Statistics Section A.M. Roundtable Discussion (Added Fee), *"Combining Visualization Best Practices with Agency Standards for Statistical Graphics in Government Reports,"* Haley Jeppson, NISS; Brian Habing, NISS; Heike Hofmann, Iowa State University.

8:35 AM - CC-207B **#222** - Cross-Disciplinary Research on Health Data Science — Invited Papers, Lingzhou Xue, Organizer/Chair & James L. Rosenberger, Discussant

  8:35 AM *"Causal Inference Methods in Air Pollution Research"*. Francesca Dominici, Harvard; Xiao Wu, Stanford.
  9:00 AM *"Vaccine Safety Surveillance Using Routinely Collected Healthcare Data: An Empirical Evaluation of Epidemiological Designs,"* Marc A. Suchard, UCLA; Martijn J. Schuemie, Janssen Research & Development.
  9:25 AM *"Context-Driven Statistical Models for Disease Progression in Cancer Studies,"* Jeremy Taylor, University of Michigan; Lauren Beesley, University of Michigan; Madeline Abbott, University of Michigan.

8:55 AM – CC-101 **#231** - Statistical Methods Under Preferential and Informative Sampling

  8:55 AM *"Spatial Kriging in the Presence of Informative Sampling Designs,"* Erin Schliep, University of Missouri; Christopher K. Wikle, University of Missouri; Ranadeep Daw, University of Missouri.
  9:15 AM - *"An Empirical Evaluation of Alternative Approaches to Adjusting for Attrition When Analyzing Longitudinal Survey Data,"* Yajuan Si, University of Michigan.

8:50 AM – CC-203AB **#250** - Weighting and Variance Estimation in Complex Samples *"Uncertainty Assessment of Finite-Population Medians Under Complex Sampling Designs."* Luca Sartore, NISS/USDA-NASS; Habtamu Benecha, USDA-NASS; Valbona Bejleri, USDA-NASS; Lu Chen, NISS/USDA-NASS.

11:15 AM - CC-150A **#273** - Alignment, Accuracy, Precision: Comparing and Combining Data from Multiple Sources *"A Bayesian Small Area Model for County-Level Cash Rental Rates."* Lu Chen, NISS/USDA-NASS; Balgobin Nandram, Worcester Polytechnic Institute.

10:30-NOON - #7 CC-Hall D **#287** Contributed Poster Presentations: Government Statistics Section *"Student Insights into Graphical Innovation for Educational and Government Reports,"* Brian Habing, NISS; Haley Jeppson, NISS.

WEDNESDAY, AUGUST 10th

7-8:15 AM – WL04 - CC-Ballroom Level South **#358** - Social Statistics Section A.M. Roundtable Discussion (Added Fee) *"Gun Violence Research Designs Needed to Combat Myths About Police Shootings and Safety,"* James Landis Rosenberger, NISS & Penn State University.

9:15 AM – CC-204A **#375** - Causal Estimand in Clinical Trials *"Estimands & Their Estimators for Clinical Trials Impacted by the COVID-19 Pandemic,"* Kelly Van Lancker, Johns Hopkins University, BSPH and Ghent University, Belgium; Sergey Tarima, Medical College of Wisconsin; Jonathan Bartlett, University of Bath; Madeline Bauer, Division of Infectious Diseases, Keck School of Medicine, University of Southern California; Bharani Bharani-Dharan, Novartis Pharmaceuticals; Frank Bretz, Novartis; Nancy Flournoy, University of Missouri; Hege Michiels, Ghent University; Camila Olarte Parra, University of Bath; James L. Rosenberger, NISS & Penn State University; Suzie Cro, Imperial Clinical Trials Unit, Imperial College London.

11:20 AM – CC-143A **#430** - Record Linkage and Auxiliary Data Sources

  11:20 AM *"Automatic Imputation for an Area Survey,"* Tara Murphy, USDA-NASS; Arthur Rosales, USDA-NASS; Luca Sartore, NISS/USDA-NASS; Denise A. Abreu, USDA-NASS.

  11:35 AM *"Extending the Dual-System Estimation for the Census of Agriculture."* Habtamu Benecha, USDA-NASS; Luca Sartore, NISS/USDA-NASS; Grace Yoon, USDA-NASS; Bruce A. Craig, Purdue University; Denise A. Abreu, USDA-NASS; Linda J Young, USDA-NASS.

See you in DC! Stop by the NISS Table by the Registration Desk and say Hello!
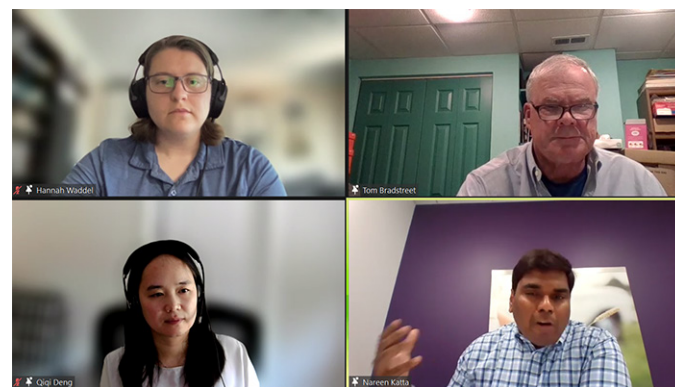
RECENT EVENT: PHARMACEUTICAL INDUSTRIES THE FOCUS OF LATEST NISS CAREER FAIR

NISS hosted another Virtual Career Fair on Wednesday, June 15, 2022! This career fair brought together statisticians from the pharmaceutical industry to share their advice with prospective applicants and provided current opportunities for statisticians/data scientists from three companies in the pharmaceutical industry. Attendees were also given an inside look at the research that statisticians in these three companies get involved in.

During this pharmaceutical career fair, our panel included Qiqi Deng with Moderna, Nareen Katta with AbbVie, and Tom Bradstreet with Bristol-Myers Squibb. This session's Moderator was Hannah Waddel, a Ph.D. student from the Biostatistics Department at Emory University as well as one of our NISS Graduate Student Network Executive Committee Members.

This career fair began with a brief presentation from Qiqi Deng highlighting career paths and opportunities in Moderna, followed by an overview of AbbVie by Nareen Katta. After these presentations, we continued the session as a panel discussion with Tom Bradstreet who further provided guidance on what is truly essential to new hires in the statistics or data science fields from his experience.

 "Have a statistical mindset and a thorough understanding of statistical models and methodology."
- Qiqi Deng

"As more and more data sources are becoming available, the stakeholder groups are becoming more data savvy and they are interested in getting their hands dirty, they want to explore, they want to be a core partner."
- Nareem Katta

Hannah Waddel (Emory), moderator, Qiqi Deng (Moderna) and Tom Bradstreet (Bristol-Myers Squibb) listen to the comments expressed by Nareem Katta (Abbvie) during the Q&A part of the session.

"Some companies might see which students are developing in academic institutions, and determine which student is a good match. They might take mental notes and then keep them on our radar, who show great potential but need another year to gain the academic experience. These CVs can be saved for a position that comes up in the future."
- Tom Bradstreet

[Read the Complete News Coverage Including a Recording of the Session!](#)

[Check out NISS on YouTube!](#)

UPCOMING NISS SPONSORED EVENT

International Total Survey Error Workshop (ITSEW) 2022

31 August - 2 September, 2022

Total Error in Official Statistics: Current Practices and New Methods

The conference will be hosted by The Cathie Marsh Institute for Social Research and The Social Statistics Department, School of Social Sciences, University of Manchester, United Kingdom.

In addition to traditional TSE topics, we are encouraging contributions on:

- Evaluations of multiple error sources in official statistics
- Error frameworks and their use for administrative data products
- Total error frameworks for Big Data
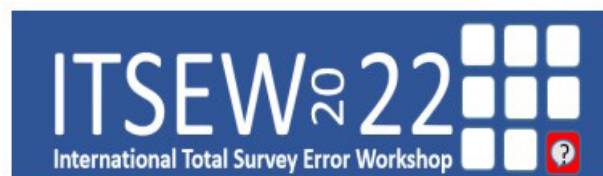- "Total statistical uncertainty" frameworks for estimates derived from nonprobability samples
- Errors in data integration processes and integrated data products
- Use of quality profiles and declarations in official statistics
- Minimizing total error using ART (adaptive/responsive/tailored) designs and data collection strategies
- Statistical disclosure limitation error

The Call for Papers on the ITSEW2022 website is now open with deadlines and registration information.

Included with the registration are: A tour of Manchester, Wine reception and Conference dinner!

[Get the Latest Updates for this Conference!](#)

JULY

2022 NISS Writing Workshop for Junior Researchers

Event Date: July 29, August 5 & 7, 2022
Event Type: Workshop

Once again this very popular short course will be hosted by NISS. If you are a recent graduate of a doctoral program and want to improve your communication skills - then this event is for you! "Thanks for organizing the writing workshop! We are very glad that we attended the workshop. We learned... (read more)

AUGUST

NISS Affiliate Reception at JSM

Event Date: Sunday, August 7, 12 - 2:30pm
Event Location: - Marriott Marquis: Independence C

Agenda Coming Soon!

NISS Reception at JSM

Event Date: Monday, August 8, 6 – 8:30pm
Event Location: Marriott Marquis: Supreme Court

2022 Jerome Sacks Award for Outstanding Cross-Disciplinary Research,
2022 NISS Distinguished Service Award and the
2022 NISS Distinguished Alumni Award
Presentations beginning at 6:30 pm!

International Total Survey Error Workshop (ITSEW) 2022

Event Date: 31 August - 2 September, 2022
Event Location: University of Manchester, UK

Theme: "Total Error in Official Statistics: Current Practices and New Methods." The International Total Survey Error Workshop 2022 will take place from the 31st of August through the 2nd September 2022. It will be hosted by The Cathie Marsh Institute for Social Research and The Social Statistics Department,... (read more)

NISS ▶ YouTube

SEPTEMBER

2022 Joint UGA-Clemson Seminar

Event Date: September 1, 2022 4:00 pm ET
Event Location: Athens, Georgia

Since the 1970's the University of Georgia Department of Statistics and the Clemson University Mathematical Sciences Department have organized the annual UGA/Clemson Joint Seminar which alternates between Athens and Clemson each year. Here is a (somewhat) complete list of speakers: https://www.stat... (read more)

Second Penn Conference on Big Data in Biomedical and Population Health Sciences

Event Date: September 19-20, 2022
Event Location: Philadelphia,, Pennsylvania,

Realizing the potential of biomedical data sciences in population health and biomedicine by advancing state-of-the-art research, the Second Penn Conference on Big Data in Biomedical and Population Health Sciences at the will offer insights from thought leaders in eight influential areas of big data... (read more)

JANUARY 2023

International Conference on Health Policy Statistics

Event Date: January 9–11, 2023
Event Location: Scottsdale, Arizona,

Upgrading the Pipeline from Health Data to Health Policy ICHPS provides a unique forum for practitioners, health service researchers, methodologists, health economists, and policy analysts to exchange and build on ideas to disseminate to the broader health policy community. The multidisciplinary... (read more)

Check the NISS Events webpage
for up to date event info!

Check out NISS on YouTube
for Recordings of Previous Events!

The National Institute of Statistical Sciences (NISS) is an organization whose mission fosters cross-disciplinary research and advocates for statistical engagement in data science.

NISS