params

UPCOMING EVENTS

Wednesday, May 10 | 12-1:30 pm ET
BIOPHARMACEUTICAL INDUSTRY CAREER FAIR
José Pinheiro, Johnson & Johnson
Rebecca Wilson, Janssen Pharmaceutical Companies of Johnson & Johnson
Yenny Webb Vargas, Genentech
Yu Du, Eli Lilly and Company
Moderator: Christian Geneus, P&G

Saturday-Sunday, May 20-21 | 12-5 pm ET
GSN 3RD ANNUAL GRADUATE STUDENT RESEARCH CONFERENCE
Abstract Submission Deadline Ended 5 May
Registration Now Open
Keynote Speakers:
Daniel. R. Jeske, UC Riverside
Xihong Lin, Harvard University
Short Course on Scientific Writing Instructed by: Donald Richards, Penn State University

Friday, July 21, Friday July 28, & Sunday August 6, 2023
NISS ANNUAL WRITING WORKSHOP FOR JUNIOR RESEARCHERS AT JSM 2023
Accepting Abstract Submissions NOW!

Thursday-Friday, August 3-4, 2023
2ND CANSSI-NISS HEALTH DATA SCIENCE WORKSHOP
Keynote Speakers:
Charmaine Dean, VP University Research & Professor, Department of Statistics and Actuarial Science
Eric J. Tchetgen Tchetgen, Luddy Family President’s Distinguished Professor & Professor of Statistics and Data Science
Featured Sessions:
Statistical Methods for Precision Health
Causal Inference for Big Health Data
AI and Health Data Science

Newsletter Contents

UPCOMING EVENTS
• Quick List of NISS Hosted & Co-Sponsored Events
• New upcoming NISS hosted events highlighted in this issue!

INGRAM OLKIN FORUMS (IOF)
• Call for Ingram Olkin Forum Proposals! - by Sept 2023
• Statistical Challenges in the Analysis of Police Use of Force - Nov 9-10, 2023
• IOF Statistical Methods to Combat Human Trafficking: Recap & Next Steps

NISS AFFILIATES
• Welcome New Affiliate Institutions
• Welcome New Affiliate Liaisons
• Welcome NISS Board Members

RECENT EVENTS & RECORDINGS
• Panel on the Role of Biostatistics in an Increasingly Big Data/Data Science World
• COPSS-NISS Leadership Webinar Series
• NISS/Merck Meetup on Causal Inference
• GSN Quarto Course - recording available through purchase of $15 or free in October 2023!
• NISS Virtual Career Fair: Careers Beyond Tech

RESEARCH
• National Council on Measurement in Education (NCME) this April in Chicago: NISS Research Associate Haley Jeppson leads training course on Visualizations and Interactive Graphics Using R

DIRECTORS’ NOTES
• Highlights from current NISS Director, James L. Rosenberger, and incoming Director, David S. Matteson.
Parameters

Quick List of Upcoming Events

Clickable links to each event:

NISS Hosted Upcoming Events

Wednesday, May 10 | 12-1:30 pm ET
Biopharmaceutical Industry Career Fair

Saturday-Sunday, May 20-21 | 12-5 pm ET
GSN 3rd Annual Graduate Student Research Conference

Friday, July 21 & Friday, July 28, 2023
NISS Annual Writing Workshop for Junior Researchers at JSM 2023

Thursday-Friday, August 3-4, 2023
2nd CANSSI-NISS Health Data Science Workshop

Thursday-Friday, November 9-10, 2023
IOF Workshop: Statistical Challenges in the Analysis of Police Use of Force

Co-Sponsored Upcoming Events in May 2023

May 5-7, 2023
The 8th Workshop on Biostatistics and Bioinformatics

May 16-18, 2023
The Interdisciplinary Workshop on Weather and Climate Extremes

Thursday-Sunday, May 18-20, 2023 at 8 am - 5 pm CT (Central Time)
2023 IRSA Conference - The Fast and the Curious: Modern Markov Chain Monte Carlo

May 19-20, 2023 8 am - 5 pm ET
Statistical Network Science with Applications Workshop

May 22-24 2023
Statistical Methods in Imaging Conference 2023

May 19-20, 2023 8 am - 5 pm ET
USCOTS 2023

NISS can Sponsor Events Through Affiliate Program

Learn more about this program here: https://www.niss.org/affiliate-program-information

Connect with NISS on social media & subscribe!

links down below
The biostatistics and pharmaceutical industry provides interesting and challenging career and research opportunities for statisticians and data scientists. Is work in the pharmaceutical sector something that you would like to know more about? Then this session is for you! This session will describe opportunities for biostatisticians, statisticians, and data scientists from three companies in the biostatistics and pharmaceutical industry. Attendees will be provided with an inside look at the research that statisticians in these companies get involved in and career opportunities for you to consider! The speakers will address your questions on current job opportunities, range of skills you need to succeed, career paths, hiring schedule, and advice based on their professional experiences.

Speakers: José Pinheiro, Senior Director at Johnson & Johnson; Rebecca Wilson, Principal Statistician in Immunology, The Janssen Pharmaceutical Companies of Johnson & Johnson; Yenny Webb Vargas, Principal Statistical Scientist at Genentech; Yu Du, Director in Statistics at Eli Lilly and Company. Moderator: Christian Geneus, PhD, R&D research scientist in the Data Modeling Sciences division of Procter and Gamble. Full details are available on the event page.
Friday, July 21, Friday July 28, & Sunday August 6, 2023
NISS Annual Writing Workshop for Junior Researchers at JSM 2023 - Deadline for the Writing Workshop application submission is June 30!

This Writing Workshop Short Course will be hosted by NISS once again! This year, it will be a hybrid event with virtual lectures and meetings with your mentor prior to the JSM on Friday 7/21 and 7/28, and an optional wrap-up networking meeting on Sunday morning 8/6 at JSM in Toronto, Canada. Support is also provided by the ASA and other sponsoring statistical organizations. If you are a recent graduate of a doctoral program and want to improve your communication skills - then this event is for you! Apply to the workshop by providing a recent sample of your writing, which will be assigned to and reviewed by a senior mentor.

Full details are available on event page.

Thursday-Friday, August 3-4, 2023
2nd CANSSI-NISS Health Data Science Workshop

The 2nd CANSSI-NISS Health Data Science Workshop will be held on August 3-4, 2023. The two-day workshop brings statisticians and health data scientists from the U.S. and Canada together to explore current approaches and new challenges for learning Big Data in Health Data Science. This workshop features two keynote presentations, three invited sessions, a poster competition for students and new researchers, and a banquet/dinner on Day 1. The themed invited sessions will explore current approaches and new challenges in: Statistical Methods for Precision Health, Causal Inference for Big Health Data, and AI and Health Data Science. Discounted registration fees for this workshop will apply to the following registrants: CANSSI National Institutional Members registrants, NISS Affiliate registrants, and students currently enrolled at a university. Full details are available on the event page.

Keynote Speakers
Thursday, August 3, 2023 9-10 AM
CHARMAINE DEAN
V.P. University Research & Professor, Department of Statistics and Actuarial Science

Friday, August 4, 2023 9-10 AM
ERIC J. TCHETGEN TCHETGEN
Luddy Family President’s Distinguished Professor & Professor of Statistics and Data Science

NISS Affiliates - this event is Affiliate Award Fund Eligible! NISS affiliates can use their Affiliate Award Funds towards registration, please contact your NISS liaison (Check the List of NISS Affiliates) to learn more about these funds. Registrants from NISS affiliated institutions are eligible for reimbursement after the workshop.
Thursday-Friday, November 9-10, 2023

IOF Workshop: Statistical Challenges in the Analysis of Police Use of Force

During this in-person forum, we hope to shed light not only on unique approaches and perspectives in these areas, but also to suggest steps that statisticians and researchers should consider that might aid in a deeper understanding of these issues and provide better evidence to support reform efforts.

Dissemination / Expected Output: This forum will be hosted as a two-day workshop to overview research in this area and facilitate research collaborations that advance statistical methodology for analyzing police use of force. The breakout sessions will develop research groups on focused topics within the broader research area. After the workshop, we will write a white paper on the discussion and next steps discussed in the workshop and plan for each working group to produce a manuscript suitable for publishing at a scientific journal. Full details are available on the event page.

Potential topics include:

- Quality Issues with Aggregate Crime Data
- Statistical Issues in Analyzing Fairness and Bias
- Unstructured Data: Prospects and Challenges
- Data Access and Privacy Considerations
- Community Collection and Use of Policing Data
- Funding Opportunities

Save the Date!

Registration Coming Soon!

IOF Workshop: Statistical Methods for Combatting Human Trafficking: Part 2 (Date TBD)

NISS hosted an Ingram Olkin Forum on Wednesday, March 15, 2023. This session was on “Statistical Methods for Combatting Human Trafficking: Estimating Prevalence Methods.” The IOF Committee liaison leading the organization of this forum was David Banks, Duke University, who also moderated the event.

We will organize a follow-up workshop in late 2023 or 2024. More details will be available at a later time.


CALL FOR PROPOSALS

NISS invites YOU to submit a proposal to create an IOF!

2023 Deadline: September 30th

Submit Online Today!
Welcome New NISS Affiliate Members:

GW
Department of Statistics
Columbian College of Arts & Sciences

TEMPEL UNIVERSITY
Department of Statistics, Operations, and Data Science

Welcome New NISS Affiliates Committee Members:

YANG CHENG
USDA NASS

VLADIMIR SVETNIK
Merck

MICHAEL JONER
P&G

Y. SAMUEL WANG
Cornell University

SAHAR ZANGENEH
RTI International

Welcome New NISS Graduate Student Network Steering Committee Members:

Y. SAMUEL WANG
Cornell University

SHARMISTHA GUHA
Texas A&M University

Welcome New NISS Board of Trustees Members:

ROBERT T. KRAFTY
Emory University

KAREN KAFADAR
University of Virginia

TIM HESTERBERG
Instacart

NANCY MCMILLAN
Battelle

JOHN ABOWD
US Census

NISS Invites corporations, universities or institutions and individuals to sponsor events that are hosted by NISS.

Sponsorship helps to defray the cost of organizing events and is a great way to give your organization visibility that targets statisticians and other related professions who attend NISS events! Learn More!

Take the NISS Affiliate Survey!

We will be sending a survey after JSM to seek your input as an affiliate!
Wednesday, May 3 at 12-1:30pm ET
Panel on the Role of Biostatistics in an Increasingly Big Data / Data Science World

Panelists answered these crucial questions: What is the role of biostatistics in an increasingly big data/data science focused world. There is so much attention these days on machine learning and AI in biomedical research. What are the opportunities for synergies between biostatistics and other data science disciplines?

Speakers included Xihong Lin, Harvard University; Lance Waller, Emory University; Jeff Goldsmith, Columbia University; and Yu Shyr, Vanderbilt University. Moderator: David Benkeser, Emory University.

Full details available on the event page.

Click here to watch

Friday, April 28 at 12-1:30pm ET
COPSS-NISS Leadership Webinar Series: Statistical Leadership in Government, April 28, 2023

COPSS-NISS organized another insightful webinar on the topic of leadership in the field of statistics and data science. The focus of this webinar was on statistical leadership in government. We were privileged to hear from two of the leading statisticians who strategized on the future of statistics in government during this webinar. The speakers for this session included Denice Ross who is currently the U.S. Chief Data Scientist, White House Office of Science and Technology Policy and Robert L. Santos the Director of the United States Bureau of the Census. Our two distinguished panelists shared their leadership journeys and provided their insights in a discussion moderated by Dr. Claire Bowen of the Urban Institute.

Full details available on the event page.

Access the full COPSS-NISS Leadership Webinar Series

About the COPSS-NISS Leadership Webinar Series: https://www.niss.org/copss-niss-leadership-webinar-series

Full Playlist COPSS-NISS Leadership Webinar Series: https://www.youtube.com/playlist?list=PLoRtupvDJTjvFukMcO6NfDr0GvxDsIj81

Jan 24, 2023 | COPSS-NISS Leadership in Academia: Click here to watch
Feb 28, 2023 | COPSS-NISS Social Justice and Community Leadership: Click here to watch
Mar 28, 2023 | COPSS-NISS Leadership in Statistical Research: Click here to watch
Apr 28, 2023 | COPSS-NISS Leadership in Government: Click here to watch
Wednesday, April 19, 2023 - 12 pm - 2 pm ET
NISS/Merck Meetup: Conformal Inference: Advancing the Boundaries of Machine Learning

The NISS/Merck Meetup on Conformal Inference: Advancing the Boundaries of Machine Learning took place on April 19, 2023. The NISS Merck Affiliate Liaison Dr. Vladimir Svetnik, a Distinguished Scientist in the Biometrics Research department at Merck & Co., organized the event, and was moderated by Dr. Yuting Xu, an Associate Principal Scientist in the Biometrics Research Department at Merck & Co. Speakers included:

Prof. Alexander Gammerman, Royal Holloway University of London
Presentation Title: "Conformal prediction and testing for change-point detection"

Prof. Yao Xie, Georgia Institute of Technology
Presentation Title: "Sequential conformal prediction for time series"

Prof. Matteo Sesia, University of Southern California, Marshall School of Business
Presentation Title: "Conformal inference is (almost) free for neural networks trained with early stopping"

Prof. Lihua Lei, Stanford University
Presentation Title: "Conformal Risk Control"

Full details are available on the event page.

Friday, April 7, 2023 - Time: 12 pm - 1:30 pm ET
GSN quarto Short Course

The NISS Graduate Student Network hosted a short course on quarto! The instructor for this short course was Dr. Mine Çetinkaya-Rundel from the Department of Statistical Science at Duke University. Quarto is the next generation of R Markdown for publishing, including dynamic and static documents and multilingual programming language support. With Quarto you can create documents, books, presentations, blogs or other online resources. This workshop introduced us to authoring Quarto documents using RStudio Visual Editor, which provides a user interface for editing all of Pandoc markdown. Our participants also got a brief look into different formats (such as slides), publishing Quarto documents to QuartoPub, and writing scientific manuscripts with Quarto.

This course included 1 hour of instruction, 15 minutes course work, and 15 minutes of Q&A. Participants received a certificate of participation after the course.

Recording available now through Course Fee: $15 USD. The recording will be uploaded to our YouTube Channel in October 2023 for free viewing. See full details on the event page.

Please reach out to officeadmin@niss.org to purchase this short course for $15 before Fall 2023.
NISS was represented at the 2023 Meeting of the National Council on Measurement in Education (NCME) this April in Chicago. **NISS Research Associate Haley Jeppson** led a 1/2 day training course on Visualizations and Interactive Graphics Using R for 28 participants from a variety of testing companies, government agencies, and universities. In addition to assisting Haley with the training course, **NISS Associate Director Brian Habing** presented an eBoard of research conducted with **NISS Research Fellow Ya Mo** on differential item functioning on NAEP like assessments and was the discussant for a paper session on Advances in Item Response Modeling.

As a research associate since October 2021, Haley’s primary responsibilities for NISS have been as part of the team working on projects related to the former ESSIN contract through NCES (National Center for Education Statistics in the US Department of Education). Haley is based in Iowa and works with Professor Heike Hofmann at Iowa State with a focus on the visualization of statistical information on education.
Greetings from NISS!

News on Upcoming Events:
It has been a busy season with NISS hosting many online events and co-sponsoring an increasing number of regional in-person events (www.niss.org/news). Upcoming events in May include the final spring Career Fair focused on the Biopharmaceutical Industry, and the Graduate Students Network Research Conference see (www.niss.org/events) for all upcoming events. See more details in the articles in this newsletter, and for all the events occurring at JSM in Toronto this summer.

Our third annual Graduate Student Network (GSN) research conference highlights graduate student research presentations, and this year has expanded to include keynote addresses by Dan Jeske (UC Riverside) and Xihong Lin (Harvard) and a writing tutorial by Don Richards (Penn State). This virtual activity is organized by the GSN committee of our affiliates and again sponsored by P&G, one of our Industry Affiliates.

News on Recent Event Highlights:
NISS hosted the final COPSS and NISS Leadership Webinar Series, moderated by awardees of the COPSS Leadership Academy, featuring Rob Santos, US Census director, and Denice Ross, Chief Data Scientist of the United States and moderated by Claire Bowen. In the previous webinar, Susan Murphy of Harvard and Trevor Hastie at Stanford discussed leadership in research, moderated by Lingzhou Xue at Penn State and NISS.

News from the Board of Trustee’s meeting:
The NISS board of directors meets twice a year, in April and November, and met online the last week via Zoom. The board elected two new board members, both returning from having served earlier on the NISS board of trustees. Karen Kafadar, University of Virginia, was elected to fill the remaining year of Aarti Shah’s term, since Aarti has been unable to continue due to her extended time working in India, and then complete a three-year term until 6/30/2027. Tim Hesterberg, formerly at Google, and now with Instacart, was elected to a three-year term ending 6/30/2026. Tim previously served on the board three years ago and is currently serving on the executive committee of the NISS board. In addition to these appointments to the board, Nancy McMillan at Battelle and John Abowd at the US Census were elected in November, and Rob Krafty at Emory University was appointed by COPSS to the NISS board. Three current Members of the Corporation were reappointed by their organizations, Ron Wasserstein by the ASA president, Jan Hannig by the Chancellor of UNC, and Steve Cohen by RTI International.

Other actions from the meeting: the 2023-24 budget was approved, our new part-time CFO Jennifer Billstrom with the accounting firm DMJPS, is replacing Alan Lee who passed away in August 2022, and the 2022 audit was accepted, and tax filings were completed. Special recognition was given to NISS staff member, Glenn Johnson, for his excellent service to NISS since 2018 as the Newsletter editor, for effective communications, and for his improvements to our website. Although he will be missed, Megan Glenn has taken over editing the Newsletter along with Randy Freret, and Glenn will advise as needed.

The board also thanked the retiring board members for their service on the NISS board: Dan Jeske at UC Riverside, and Michael Brundage at Meta for their service for the past three years, and Mimi Kim at Albert Einstein Medical Center for her six years of service to NISS as the appointed Member of the Corporation from COPSS.

The remaining board meeting was spent in presentations by Lingzhou Xue, Associate Director, Brian Habing, Associate Director, and David Matteson, Deputy Director, and follow-up discussions about the planned upcoming transition in leadership this summer.

News from our NISS Affiliates:
Our affiliates continue to sponsor and host events, most again in person, which NISS co-sponsors and advertises. See the upcoming events at: https://www.niss.org/events/calendar and participate. Affiliates can utilize their travel funds to register and attend these co-sponsored events.

To learn more about our affiliate program, or any upcoming events, see our website www.niss.org and click on the Affiliates link for the information on how to participate and the benefits of joining.
Affiliates!

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https://www.niss.org/careers