

Affiliates Update

APRIL | 2023

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

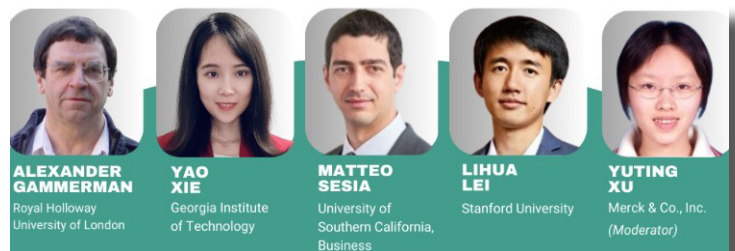
David Matteson,
Deputy Director, NISS

UPCOMING EVENT: NISS/MERCK MEETUP: CONFORMAL INFERENCE: ADVANCING THE BOUNDARIES OF MACHINE LEARNING

Wednesday, April 19, 2023 - 12 pm - 2 pm ET

Conformal inference is a statistical framework that provides a way to make predictions with prediction intervals and associated confidence levels in machine learning. Unlike traditional point estimates, this approach constructs intervals for individual data points, allowing for more robust and reliable predictions. The confidence levels provided by the prediction intervals enable users to assess the uncertainty of the predictions and make informed decisions based on the level of confidence.

Notably, prediction intervals are produced without assumption on the prediction algorithms and data distribution, making conformal inference a flexible and powerful tool in machine learning. Conformal inference is used for both classification and regression and is currently an active area of research in statistics and computer science. This framework has the potential to advance the boundaries of machine learning by enabling more accurate and trustworthy predictions with applications in a variety of fields, including finance, medicine, and environmental science.



[Register for this Webinar Today!](#)

NISS  YouTube

UPCOMING EVENT: COPSS-NISS LEADERSHIP WEBINAR SERIES: LEADERSHIP IN GOVERNMENT

Friday, April 28, 2023 | 12 - 1 pm ET

Join us for another insightful webinar on the topic of leadership in the field of statistics and data science. The focus of this webinar is on statistics leadership in government. Hear from two of the leading statisticians strategizing about the future of statistics in government.

The speakers for this session are **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 will share their leadership journeys and insights in a discussion moderated by Dr. **Clare Bowen** of the Urban Institute.

COPSS NISS National Institute of Statistical Sciences
Leadership Webinar Series

April 28, 2023
12 - 1 pm ET

NISS National Institute of Statistical Sciences
Committee of Presidents of Statistical Societies

The graphic features three headshots of speakers: Denice Ross, Robert L. Santos, and Clare Bowen. The NISS logo is prominently displayed in green and blue.

[Register for This Event Today!](#)

About the COPSS-NISS Leadership Webinar Series

The COPSS-NISS Leadership Webinar Series is co-organized by the Committee of the Presidents of Statistical Societies (COPSS) Emerging Leaders in Statistics and the National Institute of Statistical Sciences (NISS). The purpose of the webinar series is to promote leadership skills for members of the statistical societies at any stage in their careers. The series features conversations with leaders throughout the discipline, including leaders from major academic and government institutions, and companies. Invited speakers share their leadership

A final Webinar this Spring will take place **Friday, April 28, 2023**, 12-1 pm ET / 9-10 am PT. Topic: [Leadership in Government](#). Panelists include: Denice Ross, (U.S. Chief Data Scientist) and Robert L. Santos, (Director, U.S. Census Bureau), Moderator: Claire Bowen (Urban Institute)

RECENT EVENT: FORUM ON THE STATISTICAL METHODS FOR COMBATTING HUMAN TRAFFICKING

NISS hosted another 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.



At the start of the forum, **Jim Rosenberger**, Director of NISS, provided the overview of the IOF S3 series. Since 2018, NISS formed the IOF committee and named this series “Statistics Serving Society,” attributed to Ingram Olkin, who had a passion for both the field of statistics and for the impact of statistics on society. Olkin believed that statistics are beautiful, powerful and that statistics can make a unique contribution in service to society. Ingram was one of the inspirations for the founding of NISS more than 30 years ago. The focus of the forum is to address a societal issue that might benefit from attention from the statistics community, and that’s certainly what we aimed to do during this forum.

The forum’s goals are to bring innovations and statistics to new research, accelerate development of innovative approaches, develop statistical action items to inform public policy and generate reliable evidence, and facilitate new collaborations between statisticians and stakeholders. During this forum we hope we achieved these goals in our breakout

session, and plan to continue developing working groups after the webinar. You can see past forums and their outcomes for other examples on how we did this here: <https://www.niss.org/ingram-olkin-forums>

NISS INGRAM OLKIN FORUM SERIES
NISS IOF Statistical Methods for Combatting
STATISTICS ON COMBATTING
HUMAN TRAFFICKING
ESTIMATING PREVALENCE METHODS

Watch later Share

DAVID BANKS Margaret Henderson NANCY E. HADAN TYLER MOORHICK ROWLAND SEYMOUR BERNARD SILVERMAN
Duke University University of North Carolina North Carolina Human Trafficking Commission University of Washington University of Georgia DuSAC University

ZOOM WEBINAR
WEDNESDAY MARCH 15, 2023
1-4PM ET

Watch on YouTube

The thumbnail shows a row of six speaker headshots with a red play button in the center. Below the names are their affiliations. The NISS logo and Statistics Serving Society logo are also present.

[Read the Complete News Story including a Recording of this Session...](#)

APRIL

UCLA Synthetic Data Workshop

Event Date: April 13th - 14th, 2023

Event Location: Los Angeles, California, 90095

We are pleased to announce the UCLA synthetic data workshop. This 2-day workshop is hosted by the UCLA Department of Statistics and co-sponsored by IDRE and UCLA-Amazon Science Hub. The workshop is held at the UCLA Faculty Club. Synthetic data generation is a rapidly growing and highly disciplinary... ([read more](#))

The 2023 Bradley Lecture

Event Date: Friday, April 14, 2023

Event Location: Athens, Georgia

In order to recognize the professional accomplishments of late Professor Ralph Bradley, Department of Statistics has been organizing an annual "Bradley Lecture" since 1993. The first Bradley Lecture held in 1993 featured Professors C. R. Rao and Ralph Bradley as speakers. Since then, each year we... ([read more](#))

15th Annual Conference on Statistical Issues in Clinical Trials

Event Date: Monday, April 17, 2023 - 9 am - 5 pm ET

Event Location: Philadelphia, Pennsylvania

The theme of this year's conference is: Advances in Time-to-Event Analyses in Clinical Trials NISS is one of the co-sponsors for the 15th Annual Conference on Statistical Issues in Clinical Trials on 17 April 2023! NISS Affiliates can use their Affiliate Award Funds (AAF) to support their travel... ([read more](#))

NISS/Merck Meetup: Conformal Inference: Advancing the Boundaries of Machine Learning

Event Date: Wednesday, April 19, 2023 - 12 pm - 2 pm ET

Event Type: Online Webinar

NISS/Merck Meetup on Conformal Inference: Advancing the Boundaries of Machine Learning on 12:00 PM to 2:00 PM EST on April 19, 2023. Conformal inference is a statistical framework that provides a way to make predictions with prediction intervals and associated confidence levels in machine... ([read more](#))

COPSS-NISS Leadership Webinar Series: Leadership in Government

Event Date: April 28, 2023 | 12 - 1 pm ET / 9 - 10 am PT

Event Type: Online Webinar

Join us for our another insightful webinar on the topic of leadership in the field of statistics and data science. The focus of this webinar is on statistics leadership in government. Hear from two of the leading statisticians strategizing about the future of statistics in government. The... ([read more](#))

MAY

Minitab Insights Global Conference 2023

Event Date: May 1-3, 2023

Event Location: Scottsdale, Arizona

DISCOVER. PREDICT. TRANSFORM. ACHIEVE. Connect with innovators, peers, and professionals who help shape the future with data-driven insights and explore new solutions you can implement immediately! THE PREMIER DATA AND ANALYTICS EVENT Minitab Insights Global Conference is the premier, customer-... ([read more](#))

Panel on the Role of Biostatistics in an Increasingly Big Data/Data Science World

Event Date: Wednesday, May 3, 2023 - 12 pm - 1:30 pm ET

Event Type: Online Panel

NISS is putting together a new virtual panel! The topic is the role of biostatistics in an increasingly big data/data science focused world. With so much attention these days on machine learning and AI in biomedical research, what are the opportunities for synergies between biostatistics and other... ([read more](#))

The 8th Workshop on Biostatistics and Bioinformatics

Event Date: May 5-7, 2023

Event Location: Atlanta, Georgia

Biostatistics and Bioinformatics have been playing a key and important role in statistics and other scientific research fields in recent years. The goal of this workshop is to stimulate research and to foster the interaction of researchers in Biostatistics & Bioinformatics research areas. The... ([read more](#))

The Interdisciplinary Workshop on Weather and Climate Extremes

Event Date: May 16-18, 2023

Event Location: Clemson, South Carolina

The Interdisciplinary Workshop on Weather and Climate Extremes hosted at Clemson University is a three-day workshop. The workshop will be held May 16-18, 2023. Registration is open between February 17 and May 4, 2023. This workshop aims to serve two complementary purposes. The first is to provide a... ([read more](#))

2023 IRSA Conference - The Fast and the Curious: Modern Markov Chain Monte Carlo

Event Date: Thursday-Sunday, May 18-20, 2023 at 8 am - 5 pm CT

Event Location: University of Minnesota

NISS is co-sponsoring the 2023 annual conference for the Institute for Research in Statistics and its Applications (IRSA), held on May 18-20 at the University of Minnesota. This year's theme is "The Fast and the Curious: Modern Markov Chain Monte Carlo," focusing on recent developments... ([read more](#))

GSN 3rd Annual Graduate Student Research Conference

Event Date: Saturday, May 20 - Sunday, May 21, 2023 at 12 - 5 pm ET

The NISS Graduate Student Network is very excited once again to announce a two-day graduate student research conference! Last year's conference in 2022 took place was a resounding success with many fantastic presentations and selecting winners was quite a challenge! This year's conference will be a... ([read more](#))

Statistical Methods in Imaging Conference 2023

Event Date: May 22-24 2023

Event Location: Minneapolis, Minnesota

This is the annual meeting of the ASA Statistics in Imaging Section. SMI aims to bring together investigators from students to established researchers who are working on projects related to statistical methods and their applications in the broad area of imaging science, including, but not limited... ([read more](#))

MAY, cont'd

USCOTS 2023

Event Date: May 30 - June 1-3, 2023

Event Location: State College, Pennsylvania

CAUSE has held the United States Conference on Teaching Statistics (USCOTS) every other year since 2005. The 2023 USCOTS will be held on Thursday, June 1st - Saturday, June 3rd at the Penn Stater Conference Center in State College, Pennsylvania, with pre-conference workshops on Tuesday, May 30th -... ([read more](#))

JUNE

QPRC 2023: QUALITY AND PRODUCTIVITY RESEARCH CONFERENCE

Event Date: June 6-8, 2023

Event Location: Houston, Texas

The American Statistical Association (ASA) Quality and Productivity Research Conference (QPRC) will be held June 6-8, 2023, in Houston, TX at the University of Houston. The purpose of this conference is to improve the quality of products and services and the productivity of industries by... ([read more](#))

NISS Annual Writing Workshop for Junior Researchers at JSM 2023

Event Date: Friday, July 21, Friday July 28, & Sunday August 6, 2023

Event Type: Workshop

Once again this very popular short course will be hosted by NISS. This year it will be hybrid 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... ([read more](#))

CANSSI-NISS Health Data Science Workshop 2023

Event Date: Thursday-Friday, August 3-4, 2023

Event Type: Conference Workshop

Nowadays, statisticians and health data scientists actively work together on the frontier of biological, medical, and public health research. The transdisciplinary collaboration not only develops the modern foundations of Health Data Science but also accelerates the pace of scientific... ([read more](#))

New Frontiers in Reliability and Risk Analysis: A Tribute to Nozer D. Singpurwalla

Event Date: October 13-14, 2023

Event Location: Washington, D.C.

This two day symposium will commemorate the life and work of Nozer D. Singpurwalla, who was a Professor in the Department of Statistics, by bringing together experts from the fields he helped to shape. ([read more](#))

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

Event Date: Thursday-Friday, November 9-10, 2023

Event Location: Northfield, Minnesota,

Motivation: Excessive use of force by police is an urgent problem of concern to sociologists, statisticians, policymakers, and the general public. Issues with data quality, processing of unstructured data, tradeoffs between data access and privacy concerns, statistical challenges in analyzing... ([read more](#))

[Find Full Details for All Events on the NISS Website!](#)

Become a Sponsor of NISS Hosted Events!

NISS Invites corporations, 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

NISS Affiliates, if you would like to be featured in upcoming career fairs, please do not hesitate to contact NISS! NISS is always looking for ways to support the missions of each affiliate.



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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

www.NISS.org

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