NISS

Affiliates Update

WELCOME!

This monthly Affiliates Update highlights upcoming NISS sponsored events.

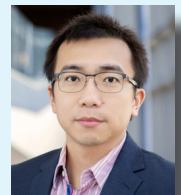PLEASE CIRCULATE THIS AFFILIATES UPDATE TO YOUR COLLEAGUES!

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

Lingzhou Xue Selected for COPSS Leadership Academy 2021

NISS is happy to share the good news that Lingzhou Xue, Associate Director of NISS, has been selected by COPSS as a member of the COPSS Leadership Academy 2021!

"For his innovative contributions to the theory and methodology of high-dimensional statistics and statistical learning, and for his outstanding and prolific service to the profession and to society."

This appointment recognizes early career statistical scientists who show evidence of and potential for leadership and who will help shape and strengthen the field. Lingzhou's tireless work in planning and organizing the many events and webinars that NISS has been hosting is just one of the accomplishments that earned him this distinction.

EVENT SERIES UPDATES

COPSS-NISS COVID-19 Data Science Webinar Series

Essential Data Science for Business

COPSS-NISS COVID-19 Data Science Webinar Series

Every other Thursday from 12 - 1 pm ET

This bi-weekly seminar continues to feature the latest research that is positioned on the cusp of new understanding and analysis of COVID-19 pandemic data, and promotes data-driven research and decision making to combat COVID-19 collaborations. There have been seven session to date. Here is what's coming up

March 18, 2021 - COVID-19 One Year In: Navigating the Communications Triangle of Experts, Policy Makers, and the Public. Harvey V. Fineberg
April 1, 2021 - Jim Yong Kim, M.D., PhD, Former President of World Bank - Title an abstract coming soon!
April 15, 2021 - Flying the Plane while Improving It – Learning from COVID Patient Data in Close to Real Time
April 29, 2021 - Communicating Statistics to the Media: Highs and Lows During the Pandemic (so far)

Data Science Essentials for Business

March 24 and May 12, 2021 from 1 - 4 pm ET

Tutorials that focus on the Top 10 analytics approaches for the key topics that are used in the business.

8 of the Top 10 topics have taken place already. Here are the last two topics that are on the schedule.

March 24, 2021: Sam Woolford (Bentley University) "Non-Analytic Skills for Analytic Consulting Success" (see event page!)

May 12, 2021: Victor Lo & Dessislava Pachamanova, "Prescriptive Analytics and Optimization" (see event page!)

Missed an earlier session? No problem. You can still gain Post-Session Access to the recordings of these tutorials along with the slides used by the speakers. See the event pages for details.

Find the latest full details for all upcoming events on the NISS website!

UPCOMING EVENTS

How to Negotiate a Job Offer

Thursday, March 18, 2021 1:30 - 3 pm ET

The Academic Affiliates Committee and NISS Graduate Student Network has planned a webinar that focuses on how to negotiate an academic job offer.

NISS has already recently organized two academic career fairs where department chairs and other experienced faculty have discussed how to apply for a position and shared tips and advice about job talks and the interview process. But what happens when you get that academic job offer! This webinar has once again reached out to several experienced faculty from a variety of different departments to talk about the follow-up, i.e., "What do you do after you receive an offer?", "How do you choose between the offers?", "What should be the deciding factors in negotiating an offer?" and once you have the job, "How do you start collaborations

Toolkit for the Modern Statistician

March 30, 2021 3-4 pm ET

The NISS Graduate Student Network invites you to a virtual meet-up on computing tools that would be valuable to statistics or biostatistics Ph.D. students. In fact, understanding and being able to use these tools might be of value for faculty members as well! This overview will include tools such as R shiny and tidyverse among others.

The goal of this session is to introduce an overview of these tools and make the students aware of the benefits of investing time to learn more about them.

Find Full Session and
Registration Details
for all events on
the NISS website!

NISS HOSTED: FIRST CANSII-NISS HEALTH DATA SCIENCE WORKSHOP

May 6-8, 2021

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 discovery and innovation.

The First CANSSI-NISS Health Data Science Workshop will be held virtually on May 7-8, 2021, with pre-workshop short courses on May 6th. The 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.

The two-day workshop consists of two keynote presentations, four invited sessions, a speed session for students, a late-breaking session, and two split-out virtual lunch & networking sessions. The themed invited sessions will explore current approaches and new challenges in

(i) Statistical Issues with COVID-19,
(ii) Statistical Problems in Imaging and Genetics,
(iii) Causal Inference for Big Health Data, and
(iv) Methods for Electronic Health Data.

Keynote speakers are: **Xiao-Li Meng** (Harvard) and **Mary Thomspon** (U Waterloo), and late-breaking session speakers, **Bin Yu** (Berkeley), **David Buckeridge** (McGill University) and **Rob Tibshirani** (Stanford University)!

CANSSI INCASS | NISS | National Institute of Statistical Sciences

Register for this Event Today!

NISS SPONSORED EVENTS - *REGISTER TODAY!*

2021 ANALYTICS WITHOUT BORDERS CONFERENCE

Friday, March 26, 2021
Hosted by Bentley University

Presented by:
BENTLEY UNIVERSITY
Bryant University
Tufts University
University of Massachusetts Lowell

Join us virtually on Friday, March 26th, 2021 hosted by Bentley University for the 6th Analytics without Borders conference. This conference is a forum for all ways of analytics life to present and discuss analytics work, be it from corporate institutions, academia, government organizations etc.

All groups will be able to interact with each other and thus build bridges between the different analytics constituencies. Anyone who does anything with data is warmly invited to present that work.

Our 2021 programming introduces a new student research competition, open to undergraduate and graduate students, under Analytics without Borders.

Submission is open until March 1, 2021. Click here to submit your presentation. Registration is now open. Visit our website to register.

For more details, visit bentley.edu/academics/analytics-without-borders.

Co-sponsors:
DahShu | NISS National Institute of Statistical Sciences | ASA

BENTLEY UNIVERSITY

Find Full Session and
Registration Details
for all events on
the NISS website!

DEPARTMENT of
BIOSTATISTICS
EPIDEMIOLOGY &
INFORMATICS

13th Annual Conference on
Statistical Issues in Clinical Trials
Rubenstein Auditorium
UPenn School of Medicine
Philadelphia, PA 19104

SAVE THE DATE: April 29, 2020

**Cluster Randomized Clinical Trials (CRTs):
Opportunities and Challenges**

Online Seminar on Mathematical Foundations of Data Science
A weekly online seminar on random topics on mathematical foundations of machine learning, statistics and optimization

MARCH

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, March 18, 2021 12-1pm ET (9-10am PT)
Event Type: Online Webinar

Speaker: Harvey V. Fineberg, M.D., Ph.D., (Former President of National Academy of Medicine and President of Gordon and Betty Moore Foundation) … (read more)

How to Negotiate a Job Offer

Event Date: Thursday, March 18, 2021 1:30 - 3 pm ET
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The Academic Affiliates Committee and NISS Graduate Student Network has planned a webinar that focuses on how to negotiate an academic job offer. NISS has already recently organized two academic career fairs where department chairs and other experienced faculty have discussed how to apply for a… (read more)

Webinar Series: Mathematical Foundations of Data Science

Event Date: March 19, 2021 11am ET
Event Type: Online Webinar

General Framework for Optimal Data-Driven Optimization Speaker Daniel Kuhn, (EPFL) Abstract We propose a statistically optimal approach to construct data-driven decisions for stochastic optimization problems. Fundamentally, a data-driven decision is simply a function that maps the available… (read more)

NISS Graduate Student Network Social

Event Date: March 19, 2021 at 3:00 PM ET (12:00 PM PT)
Event Type: Online Social

GSN Socials offer graduate students a chance to share their experiences and hear from other grads in our NISS Academic Affiliate departments to help form connections and build your network! We discuss ways to help students tackle the challenges of graduate programs and offer advice with their future careers. Students can share their experiences regarding their programs or an internship they did, and discuss shared interests with other grads in the network! (read more)

Ingram Olkin Forum Series: Unplanned Clinical Trial Disruptions

Event Date: March 23, 2021 10 am - 1 pm ET, Tuesday
Event Type: Online Webinar / Meeting

Session Five: Coping with Information Loss and the Use of Auxiliary Sources of Data Many clinical trials that were under way in early 2020 have been disrupted by COVID-19. In some studies, it has been possible to adapt by monitoring patients' progress remotely rather than through in-person visits… (read more)

Essential Data Science for Business: Non-Analytic Skills for Analytic Consulting Success

Event Date: March 24, 2021 1-4 pm ET
Event Type: Online Tutorial

This webinar will use an actual case study to demonstrate the rationale for and the application of many non-technical skills that, while not taught in academic programs, are often critical for analytical consultants in business to provide actionable solutions to business problems. While there are many technical components to the case study, the focus will be on the non-technical tools that help…(read more)

Analytics Without Borders Conference 2021

Event Date: Friday, March 26, 2021
Event Type: Online Conference

Join us virtually on Friday, March 26th, 2021 hosted by Bentley University for the 6th Analytics without Borders conference. This conference is a forum for all ways of analytics life to present and discuss analytics work, be it from corporate institutions, academia, government organizations etc.… (read more)

Webinar Series: Mathematical Foundations of Data Science

Event Date: March 26th, 2021 11am ET
Event Type: Online Webinar

Harnessing structure and algorithmic properties for scalable learning methods over networks Speaker Na Li, Harvard University Abstract Recent radical evolution in distributed sensing, computation, communication, and actuation has fostered the emergence of cyber-physical networked systems, across a… (read more)

Toolkit for the Modern Statistician

Event Date: March 30, 2021 3-4 pm ET
Event Type: Online Webinar

The NISS Graduate Student Network invites you to a virtual meet-up on computing tools that would be valuable to statistics or biostatistics Ph.D. students. In fact, understanding and being able to use these tools might be of value for faculty members as well! This overview will include tools… (read more)

APRIL

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, April 1, 2021 12-1pm ET (9-10am PT)
Event Type: Online Webinar

Jim Yong Kim, M.D., PhD, Former President of World Bank *Title and abstract coming soon!*

Webinar Series: Mathematical Foundations of Data Science

Event Date: Friday, April 2, 2021 - 11 am ET
Event Type: Online Webinar

A Law of Robustness for Two-layer Neural Networks Speaker Sebastien Bubeck, (Microsoft Research) Abstract I will present a mathematical conjecture potentially establishing overparametrization as a law of robustness for neural networks. I will tell you some of the things that we already know about… (read more)

13th Annual Conference on Statistical Issues in Clinical Trials: Cluster Randomized Clinical Trials (CRTs): Challenges and Opportunities

Event Date: Monday, April 12, 2021 - 8:30 am to 4:30 pm ET
Event Location: Philadelphia, PA

Conference Theme - Cluster Randomized Clinical Trials: Challenges and Opportunities Save the Date! Registration is open! Follow the links to review the complete program and list of speakers! (read more)

Find the latest full details for all upcoming events on the NISS website!

APRIL, cont'd

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, April 15, 2021 12-1pm ET (9-10am PT)
Event Type: Online Webinar

Flying the Plane while Improving It – Learning from COVID Patient Data in Close to Real Time! In the current pandemic the need to translate clinical data into actionable research to inform patient care has never been more urgent. Using the Precision Medicine Analytics Platform (read more)

NISS-Merck Meet-Up on Open Source Software in Pharma

Event Date: Wednesday, April 21, 2021 11am – 12:45pm ET
Event Type: Online Webinar

The National Institute of Statistical Science (NISS) and Merck aresponsoring a Virtual Meet-Up on Open Source Software in Pharma. Overview Use of open access software, especially R, is becoming prevalent in pharma. There is a tremendous amount of interest, but many do not understand the basic... (read more)

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, April 29, 2021 12-1pm ET (9-10am PT)
Event Type: Online Webinar

Communicating Statistics to the Media: Highs and Lows During the Pandemic (so far) About this Webinar Series The COPSS-NISS COVID-19 Data Science webinar series is co-organized by the Committee of the Presidents of Statistical Societies (COPSS) and its five charter member societies (ASA, ENAR, IMS... (read more)

MAY

First CANSSI-NISS Health Data Science Workshop

Event Date: May 6-8, 2021
Event Type: Online 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 discovery and... (read more)

Essential Data Science for Business: Prescriptive Analytics and Optimization

Event Date: May 12, 2021 1-4 pm
Event Type: Online Tutorial

The tutorials in this NISS series involve the Top 10 analytics approaches of the key topics that are used in business today! Students and faculty, these are perhaps the top ten most important and practical topics that may not be covered in your program of study. (Review the Overview Presentation... (read more)

The Statistical Methods in Imaging Conference 2021

Event Date: May 17-19, 2021
Event Type: Online Conference

The Statistical Methods in Imaging (SMI) conference is the annual meeting of the American Statistical Association (ASA) Statistics in Imaging Section. The conference aims to bring together statisticians and imaging researchers working on methodology, theory, and applications in imaging science. The... (read more)

JUNE

2021 Nonclinical Biostatistics Conference

Event Date: June 21-24, 2021
Event Type: Online Conference

Conference Theme: Nonclinical Statistics in the Age of Data Science
The conference organizing committee welcomes you to the ASA-BIOP Nonclinical Biostatistics Conference! Registration for the 2021 NCB Conference is open! Take a look at the conference program ... (read more)

AUGUST

2021 NISS Writing Workshop for Junior Researchers (at JSM Aug 7-12)

Event Date: August 8 & 10, 2021
Event Type: Workshop

Depending on the announcement to come from the ASA, we will adjust our course dates/times accordingly, depending on the conference being virtual or in-person.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... (read more)

OCTOBER

AISC 2021

Event Date: October 8 - 10, 2021
Event Location: Greensboro, North Carolina, 27412

International Conference on Advances in Interdisciplinary Statistics and Combinatorics The main objective of the conference is to promote interdisciplinary research involving statistical techniques. These techniques are becoming increasingly important in all fields of scientific discovery. A unique... (read more)

Find Full Session / Registration Details for all events on the NISS website!

Become a Sponsor!

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 professions who attend NISS events! Learn More!

NISS ▶ YouTube

Here is the current lineup of playlists

> NISS Academic and Research Webinars - 13 videos
> NISS-Merck Meetups - 11 videos
> Ingram Olkin Forum: Statistics Serving Society - 19 videos
> COPSS-NISS COVID-19 Data Science Webinar Series - 7 videos
> NISS Academic and Research Webinars - 13 videos
> Industry Career Fairs - 4 videos
> Academic Career Fairs - 4 videos
> Government Career Fairs - 4 videos

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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