

Affiliates Update

APRIL | 2021

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

RECENT NISS EVENT HIGHLIGHTS!



COPSS-NISS COVID-19 Data Science Webinar Series

April 1, 2021

[Pandemics, Poverty and Public Health: A Conversation with Jim Yong Kim](#)

Unlike a keynote address in a large hall, and because of **Jim Yong Kim's** (Former President of the World Bank) direct involvement in events combatting infectious disease, and his personable, storytelling approach, Zoom framed Dr. Kim as though we were all sitting in his living room and he was talking to a roomful of interested colleagues. Well, yes, this might have been what we imagined but in fact, over 200 people tuned in to this informal session featuring a man who spoke about his thirty-year career fighting infectious diseases such as multi-drug resistance tuberculosis, HIV, cholera, Ebola and now COVID-19. Dr. Kim did not walk through a



slide deck rattling off bulleted points, he simply spoke informally about his experiences and related these in ways that the statisticians and data scientists in the audience would appreciate.

If you have not had a chance to sit down, listen to and get to know Jim Yong Kim, here is your opportunity. This man is a breath of fresh air, at the same time knowledgeable and a positive spirit in an era of complexity, misinformation, and challenge. Do yourself a favor and give this session a view.

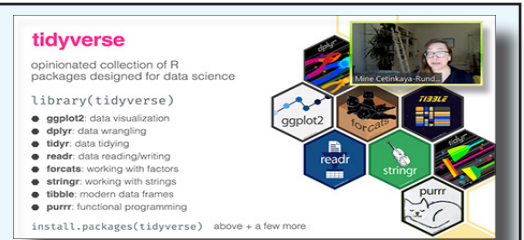
This Webinar Series takes place every other Thursday from 12 - 1 pm ET

[What Should be in a Modern Statistician's Toolkit?](#)

March 30, 2021

If you are interested in finding ways to maximize the skills that you can bring to the table, either in your current position or for a position that you plan to apply for, a review of this session along with an exploration into the numerous links to resources is essential. Play the recording of this session along with the slides that Mine used below. The slides not only

provide you with the key points that were offered but also include lots of links and suggestions of additional resources that should not be ignored!



UPCOMING NISS EVENTS

NISS-Merck Virtual Meet-up



April 21, 2021 11-12:45 pm ET

Open Source Software in Pharma



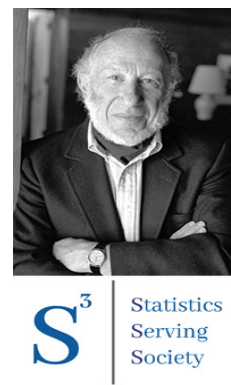
[Register for this Event Today!](#)

Ingram Olkin Forum Series: Unplanned Clinical Trial Disruptions Day Six: Bayes and Frequentist Approaches to Rescuing Disrupted Trials

April 27, 2021 10 am - 1 pm ET

When a study is disrupted by COVID-19, investigators are faced with the question of what to do next. Should they simply analyse the current data and reach a conclusion? If the trial is re-started with a new recruitment phase, is it permissible to change the target sample size or modify the statistical analysis plan in other ways? Maintaining credibility of trial results is crucial but the issues to be faced in achieving this are new and unusual. Our speakers will describe contrasting approaches in Bayesian and frequentist paradigms, outlining the benefits of particular methods and noting the challenges they pose.

[Register for this Event Today!](#)



First CANSSI-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 poster competition for students](#) and new researchers, a late-breaking session on AI and Health Data Science,

and a networking happy hour. 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.

Students!
Submit Your
Poster Today!

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



NISS

National Institute of
Statistical Sciences

[Register for this Event Today!](#)

Prescriptive Analytics and Optimization

May 12, 2021 1-4 pm ET

This tutorial will review the three types of analytics (descriptive, predictive, and prescriptive) that are commonly employed in real-world applications across industries, and illustrate the importance of prescriptive analytics and an optimization mindset for decision making. Examples from multiple application areas such as marketing analytics, operations management, workforce management, finance, and/or healthcare will be referenced in the context of introducing key optimization concepts and tools such as problem formulation and determination of optimal solutions, types of optimization problems (e.g., linear and integer programming problems), data-driven optimization and optimization under uncertainty. We will also introduce a practical framework that links predictive analytics, causal inference, and prescriptive analytics for optimizing decisions using appropriate techniques in different situations.

Essential Data Science for Business



[Register for this Event Today!](#)

APRIL

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

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 landscape regarding regulators' thoughts, the groups that have been working in this area and what has already been accomplished.... ([read more](#))

Ingram Olkin Forum Series: Unplanned Clinical Trial Disruptions

Event Date: April 27, 2021 10 am - 1 pm ET, Tuesday

Event Type: Online webinar and workshop

Day Six: Bayes and Frequentist Approaches to Rescuing Disrupted Trials: When a study is disrupted by COVID-19, investigators are faced with the question of what to do next. Should they simply analyse the current data and reach a conclusion? If the trial is re-started with a new recruitment phase,... ([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) The current crisis is notable for the vast traffic in official and unofficial information and claims. I will offer some personal insights into the challenges of trying to bring some illumination to the statistics about the pandemic, illustrated with some examples of things have gone fairly well, and some communication disasters. ([read more](#))

ASA Virtual Mentoring Round Table

Event Date: Thursday, April 29, 2021 4 - 5 pm (ET)

Event Type: Online Webinar

Are you a student studying statistics or early in your career as a statistician working with surveys or survey data? Then perhaps you would like to hear career advice, learn about opportunities, or ask questions about being a survey statistician with our distinguished panel of career statisticians... ([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

This tutorial will review the three types of analytics (descriptive, predictive, and prescriptive) that are commonly employed in real-world applications across industries, and illustrate the importance of prescriptive analytics and an optimization mindset for decision making. Examples from multiple application areas such as marketing analytics, operations management, workforce management, finance, and/or healthcare will be... ([read more](#))

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, May 13, 2021 12-1pm ET (9-10am PT)

Event Type: Online Webinar

Communication of Statistical and Epidemiologic Concepts to Broad Audiences The past year has seen a huge increase in the communication of statistical, medical, and public health concepts, methods, and results to broad audiences. The general public has been exposed to the ideas of reproduction numbers, exponential growth, randomized trials, and the challenges of program evaluation in ways that had rarely been seen at such a large scale. This webinar will provide ... ([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](#))

The Statistics Debate II: Teaching Statistics or Data Science in Grades K-12?

Event Date: Wednesday, May 19, 2021 11:00 am - 12:45 pm ET

Event Type: Online Debate

Teaching Statistics or Data Science in Grades K-12? Where do YOU stand? debate questions to be revealed soon! If you are intrigued by these questions and have an interest in how these questions might be answered - one way of the other – then this is the event for you! Want to get a sense of the... ([read more](#))

JUNE

NISS Graduate Student Research Conference

Event Date: June 12-13, 2021 12 - 5 pm ET

Event Type: Online Conference

The NISS Graduate Student Network is very excited to announce a two-day graduate student research conference! This two-day event will take place on June 12 and 13, 2021, from noon - 5 pm ET and will feature graduate student presentations, invited speakers and a social networking hour. Graduate... ([read more](#))

[Find Full Session / Registration Details for all events on the NISS website!](#)

UPCOMING EVENTS CONT'D

JUNE, cont'd

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](#))

USCOTS 2021: Expanding Opportunities

Event Date: June 28 - July 1, 2021
Event Type: Virtual Conference

Registration is now open for the U.S. Conference on Teaching Statistics (USCOTS). This conference will be held virtually on June 28 - July 1, 2021, with pre-conference workshops starting on June 24. The conference theme is "Expanding Opportunities." Keynote presentations will be given by... ([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](#))

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 professions who attend NISS events! [Learn More!](#)

NISS Data Visualization Competition Results

UPDATE: The entries are currently being reviewed by the judges, with the winners being selected and comments on all submissions being returned to the contestants by the end of the month. We'll report highlights in the May NISS Parameters Newsletter, but for a full discussion, join us for our contributed panel on the contest at JSM in August!

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

NISS YouTube

NISS hosts or sponsors Debates, Webinars, Conferences, Tutorials, Workshops and Meetups - most of which are free to NISS Affiliates. Recordings of these sessions are available for your review!

Here is the current lineup of playlists on the [NISS Communications YouTube Channel](#):

- NISS Academic and Research Webinars - 16 videos
- NISS-Merck Meetups - 11 videos
- Ingram Olkin Forum: Statistics Serving Society - 20 videos
- COPSS-NISS COVID-19 Data Science Webinar Series - 8 videos
- Essential Data Science for Business - 8 videos
- Industry Career Fairs - 6 videos
- Academic Career Fairs - 7 videos
- Government Career Fairs - 6 videos

Timely Webinars include:

- Use of p-Values, webinars I, II & III
- Landing your first job as a statistician
- Presenting Your Research & Writing Like a Pro
- Toolkit for the Modern Statistician
- Teaching Statistics Online
- Susceptible-Infected-Recovered (SIR) Modeling
- Negotiating a Job Offer
- and more...

Ingram Olkin Forums such as:

- COVID and the Schools: Modeling Openings, Closings, and Learning Loss
- Unplanned Clinical Trial Disruptions

NISS-Merck Meet-ups webinars include:

- SARS-COV2 Vaccine Development
- Adaptive Trials
- Subgroup Analysis
- Immuno-Oncology
- and much more...



Check out the Trailer!

A preview of the types of events they NISS hosts and previews a variety of these events.

Keep Up with the Latest Events!

[Subscribe to the NISS Communications YouTube Channel](#)

AFFILIATES! SEND YOUR JOB ANNOUNCEMENTS TO NISS!

A link to the Job Announcements page can be found at the bottom of every page of the NISS website! Share your announcement with other organizations associated with NISS or other visitors to our website.

Interested in the positions that have been posted?

Visit the [NISS Job Announcements Page](#)



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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.

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