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

NEWS: FALL 2020 VIRTUAL ACADEMIC CAREER FAIRS - FOCUS ON FINDING A POSITION DURING THE PANDEMIC

Two Career Fairs - Tons of Advice and Insight

Distinguished panelists were asked to share not just their advice for how to approach applying for an academic position, but how this process has changed under current pandemic circumstances and their insights for those on the job market as a result.

The good news is that all of the departments represented currently have open positions that they are trying to fill!

Furthermore, along with their faculty, each of these departments have worked to articulate new guidelines for how to handle the hiring process in a virtual setting.

As noted during these sessions, COVID-19 has had more effects on candidates than the evaluators. For this reason alone, you will want to review thes sessions!

November 11, 2020

Moderator: Lingzhou Xue (Penn State). Speakers: Kate Calder (University of Texas at Austin), Abel Rodriguez (University of Washington), and Jiayang Sun (George Mason University)

Exclusive Link to Recording & Slides for NISS Affiliates!

December 9, 2020

Moderator: Jessica Li (UCLA). Speakers: Irina Gaynanova and Brani Vidakovic (Texas A&M University), Robert Krafty (Emory University), Martin Wells (Cornell University)

Exclusive Link to Recording & Slides for NISS Affiliates!

NISS concluded its fall round of five tutorials in a brand **new series** that focuses on some of the most interesting topics in data science that are in use in business today!

Registrations options: $35 for single Data Science Essentials tutorial sessions, $250 for all 10 Essential Data Science for Business tutorial sessions. **Can't attend the live session?** Post Session Access to tutorial materials and recording can be obtained for $35 after the event is over (click on Post-Session Access link). NISS Affiliates please send an email to officeadmin@niss.org.

Overview: "Victor Lo Sets the Stage for a New Series of Tutorials: Essentials of Data Science for Business" - (July 29, 2020)

1. "Jim Harner Leads First Session Loaded with Methods and Examples Describing Data Science Workflows" - (October 7, 2020) [*Post-Session Access*]

2. "Second Data Science Tutorial Focuses on Data Visualization Led by Lee Wilkinson" - (October 21, 2020) [*Post-Session Access*]

3. "Predictive Analytic Tools Featured as Part of Third Data Science Tutorial" - (November 4, 2020) [*Post-Session Access*]

4. "Causal Inference and Uplift Modeling Take Center Stage in Data Science Tutorial" - (November 18, 2020) [*Post-Session Access*]

5. "Deep Learning & Neural Networks Highlight 5th Data Science Essentials Tutorial" - (December 2, 2020) [*Post-Session Access*]

Data Science tutorials continue into the new year!

Mark Your Calendars!

6. January 27, 2021 /Instructor TBA: "Prescriptive Analytics and Optimization"

7. February 10, 2021 / Julia Silge: "Unstructured Data Analysis"

8. February 24, 2021 / Rochelle Tractenberg: "Ethical Practice for Statistics and Data Science in the Social Sciences"

9. March 10, 2021 /Instructor TBA: "Domain Knowledge and Case Studies"

10. March 24, 2021 / Sam Woolford: "Analytical Consulting, Communication and Soft Skills"

Find Full Session Details on the NISS website!

Tutorial instructors confirmed for tutorials in the new year; Julia Silge (RStudio), Rochelle Tractenberg (Georgetown University) and Sam Woolford (Bentley University).

UPCOMING EVENT: NISS-MERCK MEET-UP ON SARS-COV2 VACCINE DEVELOPMENT POTENTIAL IN VACCINE DEVELOPMENT

January 13, 2020

With the COVID pandemic having such a profound effect, everyone is hoping for a vaccine soon. At our last meet-up we examined how vaccines are developed with some emphasis on the current pandemic (see News story "NISS/Merck Meetup Reviews the Challenges and Potential in Vaccine Development").

In this meet-up we will dig a little deeper into study design for vaccines to SARS-COV-2 considering general efficacy trial design and some thoughts for measuring response. We will also examine some of the largest current studies to look at how some of these considerations play out in practice.

Moderator: Dan Holder (Merck), Speakers: Natalie Dean (University of Florida), Jonathan Hartzel (Merck) and Kert Viele (Berry Consultants)

Register for this Event Today!

DECEMBER

NISS Ingram Olkin Forum: COVID and the Schools: Modeling Openings, Closings, and Learning Loss

Event Date: December 16, 2020 12 – 2 pm ET
Event Type: Online Webinar

In this Ingram Olkin "Statistics Serving Society" Forum, experts from around the country will share statistical and data-analytic challenges they have faced, as they have reported on and researched issues around the impact of COVID-19 in U.S. schools. ... (read more)

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, December 17, 2020 12-1pm ET (9-10am PT)
Event Type: Online Webinar

An Ecosystem for Tracking and Forecasting the Pandemic - We all know that data is the foundation on which statistical modeling rests. To provide a better foundation for COVID-19 tracking and forecasting, the Delphi group launched an effort called COVIDcast, which has many parts: ... (read more)

NISS Affiliate Graduate Student Networking Event: December Social

Event Date: December 18, 2020 at 3:00 PM ET
Event Type: Online Social

Come join us for the NISS Graduate Student Network December Social! This event is for graduate students at NISS Affiliate departments or institutions... (read more)

NISS Statistically Accurate Interactive Displays ... in Graphics!

Event Date: Registration due by December 21, 2020 - Midnight!
Event Type: Competition for Graduate Students

Do you love to make insightful discoveries in education data and cutting-edge visualizations to display them? NISS has a COMPETITION FOR YOU! Great examples of data visualization and interactive graphics are popping up everywhere! ... (read more)

JANUARY

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, January 7th, 2020 12-1pm ET (9-10am PT)
Event Type: Online Webinar

Using Epidemiologic Models to Reveal the Nature of Disease Transmission and Inform Decision-making - Epidemiologic models have played a key role during the COVID-19 pandemic, both in understanding how SARS-CoV-2 moves between people and through populations, predict the spread of the pandemic and to estimate the effects of different disease control measures... (read more)

NISS-Merck Meet-up on SARS-COV2 Vaccine Development

Event Date: January 13, 2021 11 -12:45 pm ET
Event Type: Online Webinar

With the COVID pandemic having such a profound effect, everyone is hoping for a vaccine soon. At our last meet-up we examined how vaccines are developed with ... (read more)

COPSS-NISS COVID-19 Data Science Webinar Series

Event Date: Thursday, January 21, 2020 12-1pm ET (9-10am PT)
Event Type: Online Webinar

Transmission Dynamics of SARS-CoV-2: Inference and Projection - Dynamic models of infectious disease systems are often used to study the epidemiological characteristics of disease outbreaks, the ecological mechanisms and environmental conditions affecting transmission, and the suitability of various mitigation and intervention strategies ... (read more)

MARCH

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 ... (read more)

APRIL

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 opens January, 2021! (read more)

MAY

First CANSSI-NISS Health Data Science Workshop

Event Date: May 6-8, 2021
Event Type: Online Conference

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)

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)

Also... add to your calendars...

Essential Data Science for Business: Five New Tutorial Topics on Tap!

Event Dates: January 27 - February 10 - February 24 - March 10 - March 24 ---All sessions 1-4 pm ET **Event Type:** Online Tutorials

STATISTICALLY ACCURATE INTERACTIVE DISPLAYS ... IN GRAPHICS!

Registration due by December 21, 2020 - Midnight!

Do you love to make insightful discoveries in education data and cutting-edge visualizations to display them?

NISS has a COMPETITION FOR YOU!

The National Institute of Statistical Science is sponsoring a student data visualization contest - for creating examples of how interactive data visualization techniques can be applied to enhance the

data presentations in several public reports about education. Simply put, NISS is looking for Statistically Accurate Interactive Display in Graphics -- *SAID in Graphics!*

Choose one of the reports and create a graphical presentation that grabs the viewer's attention – even before reading the report - and then entices the viewer to interact to follow up for more information. We provide data sets for each of these reports (with some additional data).

Your mission is to design an innovative visualization that attracts the reader and expands the information presented in a meaningful way.

Register by December 21st to get your data set and get started!

Subscribe to this Newsletter!

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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