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Spring 2022 is just about over. Congratulations on finishing strong with your courses. Commencement is on the 13th at 6:00 for our graduate students and 9:30 am on Saturday the 14th for our first 10 BS graduates. I'll be at both ceremonies so if you are there, please say hello.

As a reminder, for SDS Affiliates from 2020, Barbara and I will be reaching out soon to arrange a quick meeting about your affiliation renewal. If you'll be unavailable all summer, just let us know. I'm looking forward to hearing more about your research and summer exploits. Our elections will be coming out soon so look for the email. Hopefully we can get a quorum through email.



# Commencement Information

Faculty planning on participating in this year's graduation ceremonies should plan to be at the stadium **one-hour prior to the start**. Faculty should meet in the Academic Center in the Judy Rose Football Center. More information can be found on the [Commencement website](#).

## Reception for Graduate Students and Faculty

There will be a reception for graduate students, family, and faculty on Friday evening directly after the ceremony. Please keep an eye out for more information.



## DSBA GRADUATE PROGRAM CURRICULUM NEWS

### DSBA Curriculum Revisions

Starting Fall 2022, there will be a change in the selection and numbers of required and elective courses for both the Master's and Certificate programs. One fewer core course and one more elective course will be required compared to the old requirement. The changes address the concerns about having many overlaps of covered topics among the core courses. The change will also allow students to take more advanced electives.

### Summer Curriculum Projects:DSBA

The DSBA program encourages faculty to develop a new elective course or significantly redesign an existing course by taking advantage of summer curriculum projects. Funding is available to support SDS faculty or a graduate assistant. Faculty will be asked to submit a brief proposal and budget. Please contact Josh Hertel ([jhertel@uncc.edu](mailto:jhertel@uncc.edu)) for more information.



# MARK YOUR CALENDAR

## **COVID Information Commons (CIC) Research Webinar | Virtual | May 5 at 2:30 PM ET**

Meet the scientists seeking new insights on COVID-19 as they share their research and answer questions from our community. Learn more about their ongoing efforts in the fight against COVID-19, including opportunities for collaboration. This month's speakers include Lindsey E. Richland and Justin B. Richland (UC Irvine); Michael J. Rosenfeld (Stanford University); Mikaela Rose Meyer, Daniel S. Nagin, and Amelia Haviland (Carnegie-Mellon University); and Mingxuan Elaine Liu and Dmitri C. Williams (University of Southern California).

[REGISTER HERE](#)

## **Machine Learning Tools for Clinical Researchers: A Pragmatic Approach Series | Virtual | May 11, 18, 25**

Join the Core Center for Clinical Research (CCCR) and Program for Precision Medicine in Health Care (PPMH) for Machine Learning Tools for Clinical Researchers: A Pragmatic Approach Series, a free virtual seminar series on May 11, 18, and 25, 2022. This series will provide a foundation of knowledge regarding the use of machine learning tools in clinical questions, define the strengths and limitations of these methods, explore real-world examples of applied machine learning methodology in clinical research, and elucidate how machine learning can be used to advance precision medicine research.

[REGISTER HERE](#)

## **Smart Cities Miami 2022 Conference | Coral Gables, FL | May 19 - 20**

The University of Miami School of Architecture and Institute for Data Science and Computing present the fifth annual Smart Cities Miami Conference on Thursday and Friday, May 19-20, 2022. To aid in the design and development of more sustainable, livable, and resilient cities, the University of Miami brings cutting-edge research in urban planning, architecture, and engineering in alignment with computational resources and analytical methods. The annual

Smart Cities Miami Conference is an extension of these efforts, providing a forum for leaders in academia, industry, and government to closely examine evolving theories and practices in the Smart City field. The topics considered vary in scope and nature within a general theme that is particularly relevant for each year.

[REGISTER HERE](#)



## Big South Data Hub News

SOUTH



BDHUB

Below are selected resources from the Big South Data Hub Newsletter. It is a great resource- sign up today!

[SIGN UP HERE](#)

## CGS and PERVADE Release New Report Examining the Ethical Challenges of Big Data

*From the Council on Graduate Schools (CGS) a new report on ethics and “big data.”*

In collaboration with graduate deans, experts in big data, and practitioners of research integrity education, CGS and PERVADE (Pervasive Data Ethics for Computational Research) embarked on a project to understand challenges and

opportunities in preparing graduate students for the ethical challenges of research using large datasets. The report provides recommendations for graduate institutions seeking to expand and improve their research training in big data and related topics. Download the report for free from the CGS website. The project and report were made possible by support from the Office of



[DOWNLOAD HERE](#)

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### **Big South Data Hub SEEDS Grant Program | Applications close June 3**

The South Big Data Innovation Hub SEEDS - Southern Engagement and Enrichment in Data Science program is designed to promote collaboration and support the cross-pollination of tools, data, and ideas across disciplines and sectors including academia, industry, government, and communities. Seed grant awards must support the southern region and the Major Goals and Priority Areas of the South Hub. Eligible applicants include individuals or group teams lead by faculty, students, or individuals from academic institutions or other non-profits within the Southern United States- defined as Delaware – Texas, including the District of Columbia. Apply for SEEDS awards of \$10,000, \$50,000, or \$100,000.

[APPLY HERE](#)

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### **SMART-DART: Health Equity Cohort Researcher Training | Applications close June 3**

The South Big Data Hub will join CODATA-RDA, AIM-AHEAD Southeast Hub at Morehouse School of Medicine, and Microsoft Research to host an 10-week Researcher Data Science Training through a mix of virtual and in-person instruction. This will be the first CODATA-RDA School run in the United States and research teams from universities with the AIM-AHEAD Southeast Hub, the South Hub DataUp program and their expanded network would be invited to apply. The SMART-DART: Health Equity Cohort will focus on growing the competence of Health Equity researchers in accessing, analyzing, visualizing, and publishing data. It is open to participants from minority serving institutions (MSIs), described in eligibility below. This activity will cover topics on principles and practice of Open Science, research data management and curation, use of a range of research compute infrastructures, large scale analysis, statistics, visualization and modeling techniques, automation and scripting.

[REGISTER HERE](#)

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### **NSF Pathways to Enable Open-Source Ecosystems (PEOSE) | Proposals due May 12**

The purpose of the PEOSE program is to harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. Many NSF-funded research projects result in publicly accessible, modifiable, and distributable open-sourced software,

hardware or data platforms that catalyze further innovation. In some cases, an open-source product is widely adopted and forms the basis for a self-sustaining open-source ecosystem (OSE) comprises a distributed community of developers and a broad base of users across academia, industry and government. The goal of the PEOSE program is to fund new OSE managing organizations, each responsible for the creation and maintenance of infrastructure needed for efficient and secure operation of an OSE based around a specific open-source product or class of products. The early and intentional formation of such managing organizations is expected to ensure more secure open-source products, increased coordination of developer contributions, and a more focused route to impactful technologies.

[MORE INFORMATION HERE](#)

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## Specifying SDS as an Affiliate Center

When routing a proposal, **please make sure to specify the School of Data Science as an affiliated center in the Niner Research system** in addition to your home department, so that the school can keep track of the proposals submitted and awarded by our faculty. Instructions can be found on the [Research tab](#) of our website.

[VISIT OUR WEBSITE](#)



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## CDC announces a new Center for Forecasting and Outbreak Analytics

The Center will bring together next-generation public health data, expert disease modelers, public health emergency responders, and high-quality communications, to meet the needs of decision-makers.

[MORE INFORMATION HERE](#)

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**NSF Scholarships in Science, Technology, Education and**

## Mathematics Program

The National Science Foundation currently has a funding opportunity for low-income STEM students. Interested in submitting a proposal?

Email [Dongsong Zhang](#).

# Student RESOURCES

## Summer & Fall 2022 Special Topics Courses

This summer and fall the SDS is offering several special topics courses for students enrolled in the DSBA and HIA programs. Find the list of courses below.

[SPECIAL TOPICS COURSE LIST](#)

## SDS Student Bootcamps

The SDS has developed a variety of Boot Camps to support new and continuing students. Currently we offer four online/asynchronous training and review modules: Introduction to Python, Statistics for Data Science, Introduction to R, and, as of this spring, Introduction to SAS For Data Science. We are discussing developing a new SQL bootcamp for fall 2023. The bootcamps are free and available to any student enrolled in in a SDS course. Registration for the spring semester SDS Boot Camps is currently open.



[REGISTRATION INFORMATION](#)

## Coursera for Campus

The School of Data Science has joined [Coursera for the Campus Basic Plan](#).

DSBA and HIA graduate students, and the Data Science undergraduates have access to more than 4,000 courses in the Coursera catalog. Students must request access by completing the google form below. Participants will receive an email confirmation from SDS and from Coursera with an invitation to set up an account.

[REQUEST FOR ACCESS FORM](#)



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