



Greetings all!

Doug is out of the office and I am doing my best to fill his shoes. I want to take this opportunity to remind you that the SDS Faculty newsletter is intended to be a community forum, a space for you to share information about upcoming events (seminars, conferences, trainings, etc.), grant opportunities, data resources, and new research initiatives that may be of interest and value to your peers. Please feel free to share information with our Communications and Marketing Manager - [Lindsay Lennon](#). The newsletter is usually published the first week of every month. Submissions are due Wednesday, July 5. Have a safe and restful summer all!

Best regards,

Josh



New Resources for DataCamp & the SDS Bootcamps

Based on faculty feedback the current Python and R bootcamps are scheduled to be discontinued at the Summer 2023 session. After review of the available resources in [DataCamp](#) the conclusion was that the modules available through the platform were superior. DataCamp has a feature called "**Custom Tracks**," which allows instructors to add courses, chapters, assessments, and resources as required in a custom track. Upon full completion, DataCamp can issue a "statement of accomplishment." The SDS team is in the process of updating resources for students and faculty on the respective program websites ([HIA](#), [DSBA](#), [BSDS](#)). This is an ongoing project over the summer, and your feedback is welcome. Please email [Joshua Hertel](#) to share questions or comments.

AIM-AHEAD Call for Proposals

AIM-AHEAD (Artificial Intelligence/Machine Learning Consortium to Advance Health Equity and Researcher Diversity) has released information about new funding opportunities! The AIM-AHEAD program has established mutually beneficial, coordinated, and trusted partnerships to enhance the participation and representation of researchers and communities currently underrepresented in the development of AI/ML models and to improve the capabilities of this emerging technology, beginning with electronic health records (EHR) and extending to other diverse data to address health disparities and inequities. here are multiple proposal categories with related webinars on various dates.



CALL FOR
PROPOSALS

New Library Database: LandScan Global

The campus library now offers [LandScan Global](#), a database that includes

historical global population datasets from 2000-2020. This is valuable for analyzing population trends and demographic changes.

Please note: To access this resource off-campus, you must be connected to the UNCC VPN. Data from 2021 is free!

[FAQ](#)
[How to Connect](#)



National Data Science Education Workshop

Virtual | June 20 - 23

Educators are invited to attend the National Workshop on Data Science Education, an annual event that draws faculty from across the country who are actively engaged in developing and offering a data science curriculum. The workshop has panels with invited speakers from over 30 different institutions discussing different issues around Data Science Education. The workshop is online and free for attendees.

[LEARN MORE](#)

Call for Abstracts: NC HIMSS Annual Conference due July 10

The NC HIMSS annual conference will be held October 2-3, 2023, at the Raleigh Marriott Crabtree. The conference objective is to enhance professional knowledge, create forums for networking, and foster leadership at the individual and corporate level. If you would like to share something exciting about what you are doing in healthcare information technology, please respond to this call for presenters by July 10, 2023.



[SUBMIT ABSTRACT](#)

SESUG 2023: Academic & Professional Grants Available: Applications due July 10



The SouthEast SAS® Users Group has a number of academic and professional grants still available for this year's conference in Charlotte, NC! Grant recipients receive: reduced conference registration, free pre-conference tutorial, a reduced room rate, and a stipend for travel costs. Grant recipients will present a paper (**proposals are due June 16th**) and complete at least one volunteer shift. **Grant applications are due July 11th.**

[MORE INFO](#)

Important Dates

Find the full [SDS Calendar of Events](#) on the program website or add it to your google calendar [HERE](#).

- **June 28, 2023:** Last day to apply for Summer graduation
- **June 29-July 4, 2023:** No Classes
- **July 6, 2023:** Last Day to Add or Drop a Class (Second Summer Session)
- **August 8, 2023:** Last Day of Classes
- **August 21, 2023:** First Day of Classes- Fall Semester



Teaching Assistant (TA) Training

The **Center for Teaching and Learning (CTL)** has shared a list of resources for faculty and new graduate teaching assistants. Many of the trainings are virtual. The list below was compiled and shared by Kiran Budhrani - Director, Teaching and Learning Innovation.

[MORE
INFO](#)

WiDS Datathon Program Building Out for Universities!



Stanford University has announced that starting this year the WiDS Datathon 2024 challenges (available at both a Beginner and Advanced level) will be available for integration in college or university courses. Here is an **overview** with details on how the WiDS Datathon can be a useful resource for instructors. They will be **hosting a session for instructors on June 22nd**. Please join in the conversation!

SMART-DART: Health, Science & Social Equity Cohort

Applications close July 15

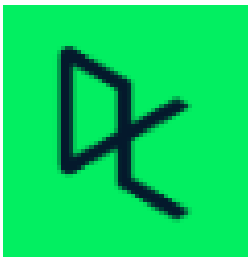
The South Big Data Hub will join CODATA-RDA, the AIM-AHEAD Southeast Hub at Morehouse School of Medicine, and Microsoft to host a 10-week Researcher Data Science Training through a mix of virtual and in-person instruction. This will be the second CODATA-RDA School run in the United

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: Equity Cohort will focus on growing the competence of Health, Climate, and Social Equity researchers in accessing, analyzing, visualizing, and publishing data. It is open to participants from minority-serving institutions (MSIs). 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.

LEARN MORE

Student RESOURCES

Welcome to DataCamp!



The School of Data Science and the College of Computing and Informatics recently signed a trial agreement with **DataCamp**. All SDS students **actively enrolled** for summer or fall 2023, and all SDS faculty, have FREE access to the full suite of training modules, and access to learning resources on hundreds of topics in the field of data science. Visit your program's website (**HIA**, **DSBA**, **BSDS**) under "Bootcamps" to request a free account (or join UNC Charlotte's platform with their existing account).

Summer Resume Updates & Interview Prep

When was the last time you polished your resume or updated your LinkedIn profile? Summer is a great time to catch up on cleaning up your resume and preparing for fall interviews. The **Career Center** has a **full calendar of workshops and meet-ups this summer** - in-person and virtual sessions. On June 20th they have a workshop on **Preparing for the Virtual Interview**. You can also schedule a time to sit down for a one-on-one resume review session.

IT and Technology Hiring Trends

in North Carolina

The [North Carolina Technology Association \(NC TECH\)](#) releases a monthly report of job trends in the NC technology sector. While primarily focused on IT, there are some useful insights for the Data Analytics and Data Science sectors. You can find their [monthly report for April here](#) (top ten listings by MSA, job type, skillset, and employers).

AI Ethics Through the Lens of Causality: A Theory of Fairness

Tuesday, June 20 at 4 PM ET | Virtual

The [National Consortium for Data Science \(NCDS\)](#), is pleased to announce the next event for [DataBytes](#), a free webinar series designed to showcase diverse and innovative work in data science. [AI Ethics Through the Lens of Causality: A Theory of Fairness](#) will take place on Tuesday, June 20 at 4 PM ET. To understand fairness, one must unify central ideas from the social sciences and humanities to mathematics and computer science. Join Christopher Lam, CEO of Epistamai, as he shows how to model a principal cause of algorithmic bias and directly map it to the two fundamental laws of causal inference. Additionally, he will show how to bridge the field of causal inference to machine learning, providing us with a novel way to visualize the different ways that a supervised machine learning model can discriminate. These causal models may help policymakers on both sides of the aisle to modernize AI regulations so that they are aligned with society's values.

Fall Orientation & Town Hall for all DSBA & HIAN (On Campus)

School of Data Science will host an in-person Orientation for new and continuing graduate students on Saturday, August 19, 2023, from 11:00 am - 12:30 pm. It will be held on the main campus in the Student Union building room 200. Please save the date and plan to attend.

RSVP
HERE

HIA ONLINE/DE Certificate Orientation

The SDS will also host a *virtual orientation* for our fully online / distance education students in the Health Informatics Certificate program on Friday, August 18, 2023, from 12:00 noon - 1:00 pm.

RSVP

Research UPDATES

NSF: Collaborative Research Opportunities with Indian Research Communities

[Special Guidelines for Submitting Collaborative Proposals under U.S. National Science Foundation \(NSF\) and the Department of Science and Technology \(DST\) of India Collaborative Research Opportunities:](#)

A new research cooperation agreement between NSF and the Department of Science and Technology of the Government of India has been announced (NSF 23-114). The U.S. National Science Foundation (NSF) and the Department of Science and Technology (DST) of the Government of India have signed an Implementation Arrangement on research cooperation. The Implementation Arrangement provides a framework to encourage collaboration between U.S. and Indian research communities and sets out the principles by which joint activities might be supported. Through this research agency partnership, U.S. researchers may receive funding from NSF and India researchers may receive funding from DST respectively. This NSF-DST collaborative research opportunity focuses specifically upon discoveries and innovations in areas of mutual interest that develop new knowledge in all aspects of computing, communications, and information science and engineering, advanced cyberinfrastructure, secure and trustworthy computing, and cyber-physical systems. Through a research agency partnership, NSF and DST will allow investigators from both countries to collaborate to write a single proposal that will undergo a single review process at NSF, the Coordinating Agency. The first target date for U.S. investigators is August 15. Please visit the [announcement webpage](#) for more details.

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](#).



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