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Welcome From the Executive Director

Dear faculty of the School of Data Science,

First, I hope your semester has been going well. The admission committee and curriculum committee of the Ph.D. in Data Science program have been working hard to finalize some details before launching the Ph.D. program website in October. As we continue growing our academic programs in the school, one of the main goals of the school is to strengthen research by hiring new tenure-track faculty, increasing grant efforts and success, and encouraging and supporting research collaboration. The school will recruit at least two full-time tenure-track faculty in AI/Applied AI area and promote the excellent data science research by SDS faculty (Please share your work, such as a new research grant, a paper published in a premium outlet or has significant impact, or giving a keynote at a conference, with us). We also plan to start peer teaching evaluation in the school in Spring 2025.

Last but not least, you will receive an email soon about the new MOU documents for the joint and affiliate faculty of SDS. We will discuss them in our November faculty meeting.

Warm regards,

Dongsong Zhang, Ph.D.



Save the Date! Upcoming Information Sessions for New Ph.D. in Data Science

We are excited to announce that the School of Data Science (SDS) has received approval for a new Ph.D. program by the UNC System Board of Governors, set to launch in Fall 2025, pending final accreditation by SACS. This innovative program will offer two pathways: one tailored for future industry leaders and another for those pursuing academic careers. Students will engage deeply with machine learning, AI, statistics, data ethics, and the social implications of data. We have two Information Session Schedules:

- **In-Person Session:** Wednesday, November 13, 6:00 - 7:00 PM, Dubois Center/CCB-This session will include a formal presentation covering the curriculum, application process, timeline, degree expectations, and funding opportunities. Local applicants are encouraged to attend, and interested faculty are welcome.
- **Virtual Session:** Monday, November 11, 9:00 - 10:00 AM, Online- Join us online for a comprehensive overview of the same topics as the in-person session. This presentation is particularly aimed at international applicants, with faculty invited to participate. Join the Zoom meeting [here](#) after **registering!**



***Registration link to follow for both events.**

SDS Assistantship Spring 2025 Applications Now Open

Applications for Spring 2025 SDS Assistantships are now available for both undergraduate and graduate students! If you have SDS students (DSBA, HIA, Data Science BS) interested in serving as Teaching, Research, or Instructional Assistants, please encourage them to apply [HERE](#) or through their program website. Eligibility is limited to students enrolled in SDS programs with a minimum GPA of 3.0. The assistantships are open to in-state, out-of-state, and international students, including newly admitted students in DSBA, Health Informatics, or Data Science. Appointments can be full-time (20 hours/week) or part-time (10 hours/week), with

awards granted for one semester and potential extensions. Please note that SDS assistantships do not include tuition remission.

SDS Resume Book Now Open for Spring 2025

The SDS Resume Book is now open for students seeking internships or full-time positions for Spring 2025. This opportunity is available to undergraduate and graduate students in the HIA or DSBA master's programs, or the Bachelor's in Data Science. Eligible students should plan to graduate in December 2024 or seek a Spring 2025 internship. Please check your program's website for specific internship requirements.

To participate, complete the form and upload your resume as a PDF with your name in the title (e.g., JOHN_SMITH_RESUME.pdf). Utilize UNC Charlotte's Career Center for additional support.



Upload Your Resume Here!

SDS Statistics Bootcamp Update

The statistics bootcamp on Canvas has been having issues processing grades. We are currently working on fixing the problem. If you are requiring students to complete the bootcamp for your class and need to know who has completed it, please reach out to the GA, Katherine Davis at kdavi247@charlotte.edu. In three weeks, we will be resetting the course to fix the issue.



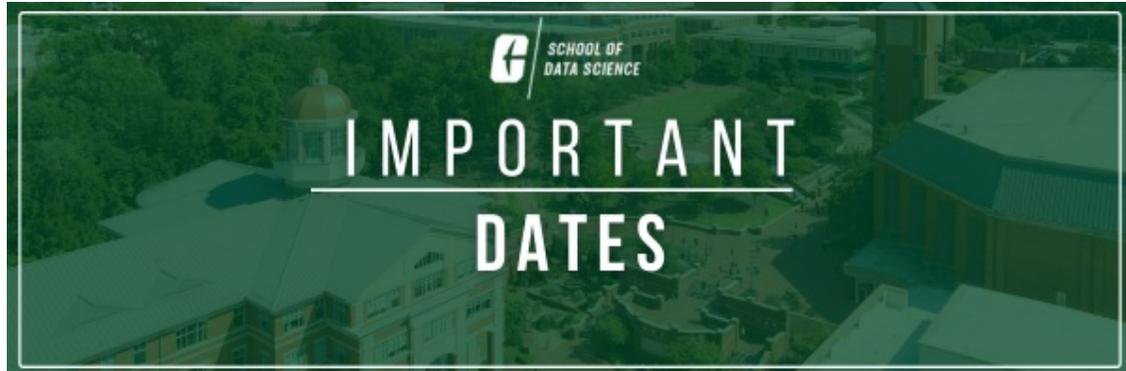
Current Resources and Opportunities to Advance Research Projects from the Center for Research Excellence

The Center for Research Excellence has several opportunities to advance research projects Ignite Planning Grants and Faculty Research Grants. The Center is also offering a New Assistant Professor Workshop Series which seeks to help professors

to the FRG process. Additionally, external funding opportunities are available. [More information](#)

New SDS Faculty Research Published

SDS faculty Shan Yan recently published a lab research article titled "Distinct regulation of ATM signaling by DNA single-strand breaks and APE1" published at *Nature Communications*. The paper can be found [here](#). A news article on this paper was released at EurekAlert titled "Demystifying APE1: New findings on direct activation of ATM signaling by DNA single-strand breaks" which can be found [here](#).



Find the full [SDS Calendar of Events](#) on the program website.

- **September 30, 2024-** Spring 2025 Schedule of Classes available on the web
- **September 30, 2024-** Student registration appointment times available online
- **October 11, 2024-** Unsatisfactory Mid-Term Grades due for Fall 2024 by noon
- **October 14-15, 2024-** Student Recess – No Classes
- **October 17, 2024-** Last day to withdraw from course(s)
- **October 28, 2024-** Registration for Spring 2025 begins
- **November 11, 2024-** Veterans Day – No Classes



Center for Humane AI Studies Symposium

The Center for Humane AI Studies will be hosting a Symposium titled “CHAISing AI: Humanities and Social Science Perspectives on the Future of a Human-centric AI Thing”. The event will include talks from several SDS faculty, including Dr. Colby Ford and Dr. Jason Windett. It will also include a panel and roundtable discussion surrounding AI. The event will be held on November 1 from 10:00 AM to 1:00 PM in

the Student Union. More information can be found [here](#).

Philosophy within Data Science Ethics Courses Webinar

Sara Colando from Carnegie Mellon University and Johanna Hardin from Pomona College will be presenting a webinar titled “Philosophy within Data Science Ethics Courses”. It will be centered around the 2024 article “Philosophy within Data Science Ethics Courses” which can be found [here](#). In this presentation, the speakers will provide a framework for discussing ethics and data science. The webinar will take place on October 8, 2024, from 4:00 - 4:45 PM. Please register [HERE](#).

Student RESOURCES

SDS Monday Professional Seminars- Coming Up

Join us every Monday from 4:00 to 5:00 pm at the Dubois Center for exclusive insights from national and local employers across financial services, manufacturing, retail, and healthcare. Connect with industry leaders, explore career opportunities, and tackle data challenges. Enhance your career—don't miss out! Check out the full fall schedule [HERE](#) and register to secure your spot.

The Game of Hats: Navigating Data Science at a Small Company- Monday, Oct 7, 2024, 4:00 PM - 5:00 PM- Virtual Session: This session will provide insights into the diverse responsibilities of a data scientist in a startup environment, covering everything from writing proposals to delivering client presentations. Samuel Wright combines his data science and geochemistry expertise to tackle environmental challenges in the mining sector. Currently, at Life Cycle Geo, LLC, he utilizes machine learning and custom Python libraries to enhance data exploration and modeling. Samuel holds a Master of Science in Data Science and Business Analytics from UNC Charlotte and a Master's in Geological and Earth Sciences from Northern Arizona University. **Register Today!**

VIRTUAL EVENT

MONDAY SEMINAR SERIES



Sponsored by:



Sam Wright

GEOCHEMIST
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The Game of Hats -
Navigating Data
Science at a Small
Company

October 7, 2024

For more information,
please visit:



The Informatics Research Seminar Series | Virtual Sessions | Wednesday @4:00 pm

The Informatics Research Seminar Series, sponsored by Duke University and collaborating institutions (UNC-Chapel Hill, NCCU, UNC-Charlotte, ECU, and WFU), offers valuable insights into Health Informatics. Seminars cover industry perspectives, research results, and diverse projects in the field. Join us on Wednesdays at 4 PM EST to engage with industry leaders and researchers.



- **Upcoming Events:** Amy Cramer, MMCi, BSN, CPHQ- Janssen, Johnson & Johnson: *Research Community Collaboration to Improve Clinical Research Data*, Duke, October 10, 2024, Virtual Session.

[View the Event Schedule Here!](#)



NC State University Summer Conference on Applied Data Science

NC State University's Laboratory for Analytic Sciences is currently accepting applications for the Summer Conference on Applied Data Science 2025. The conference will take place from June 2 to July 25, 2025.



The early application deadline for faculty and industry participants is November 3. The application can be found [here](#).

Prospective applicants can also register for a webinar on October 16 from 11:00 AM to 12:00 PM to [learn more about the conference](#).

Other Newsletters and Resources

Suggestions are always welcome- please email [Lindsay Lennon](#) with any questions or recommendations.

- **[American Medical Informatics Association \(AMIA\) SmartBrief's Newsletter](#)**- This weekly publication shares news and insights about Health informatics.



- **[Data Science Community Newsletter](#)**-Published by the ADSA, this is one more resource to keep in the know for new tools, events, job postings, and developing trends in data science. Download this month's newsletter [HERE](#).



- **[Data Science Current](#)**- This weekly publication shares news and insights about Health informatics.



- **[empowHERed](#)**- Focuses on women in the sports industry they offer webinars, a newsletter, and networking events to our Mentor Program and Career Pipeline.

- **[Essential Data](#)**- From [Data Leaders](#), a global data solutions firm, targeted to Chief Data Officers.



- **[KDnuggets](#)**- KDnuggets is an online site for Data Science, Machine Learning, AI, and Analytics, edited by Matthew Mayo. KD stands for Knowledge Discovery.



- **[Medium](#)**- Medium is an open-source online publishing platform where anyone can publish and share insightful perspectives and useful knowledge. In addition to their website, they also publish a daily e-newsletter.



- **Kaggle**- Kaggle, owned by Google LLC, is a platform and community for data scientists and machine learning practitioners. Users can discover and share datasets, create models in a web-based environment, collaborate with others, and compete in data science challenges.



- **National Consortium for Data Science (NCDS)**- The National Consortium for Data Science (NCDS) brings together academia, industry, and government to tackle 21st-century data challenges. It aims to leverage digital data for creating jobs, advancing healthcare, making scientific discoveries, and giving industries a competitive edge.



- **SouthBDHub**- A monthly newsletter lists news, events, and opportunities in data science, analytics, engineering, and policy.



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