UNIVERSITY OF NORTH CAROLINA CHARLOTTE | SCHOOL OF DATA SCIENCE
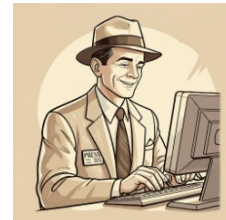
Updates from the Director

Hello Everyone!

We hope you all stayed safe during last week's storm. In this edition, you'll find important information about advising and registration. The Spring class schedule will be available for viewing on Monday, September 30th. We've organized group advising sessions for HIAN and DSBA graduate students, while undergraduates should arrange one-on-one sessions with their advisors. Additionally, the application portal for assistantships and grader positions is now open for both graduate and undergraduate students. Don't forget, the SDS Resume folder is also available! We have scheduled the first two information sessions for the PhD program and should have a special announcement coming soon regarding a special Alumni networking event in early November! Read on for more details.

Best,
Josh

Call for Content

Have an event or story idea for the SDS community? Please send your submissions to **Lindsay Lennon**, SDS Communications and Events Manager.

Important!

TO READ THE ENTIRE NEWSLETTER CLICK "VIEW ENTIRE MESSAGE" AT THE BOTTOM OF THIS EMAIL FOR JOB OPPORTUNITIES!

SDS Assistantship Spring 2025 Applications Open- Undergrads and Grads

Interested in serving as a Teaching, Research, or Instructional Assistant? The applications for spring 2025 are now available on your program websites! The School of Data Science is offering assistantships for graduate and undergraduate students enrolled in SDS programs. Only SDS students are eligible to apply. Appointments can be full-time (20 hours per week) or part-time (10 hours per week), with awards granted for one semester and potential extensions available. SDS appointments do not include tuition remission. To be eligible, students must have a minimum GPA of 3.0 and be enrolled in an SDS program. Full-time TAs can enroll in a maximum of 9 credit hours. The assistantships are open to in-state, out-of-state, and international students, including both current and newly admitted students in the DSBA, Health Informatics, or Data Science undergraduate programs. For more information, please visit your program webpage under *Current Students*.

Apply Here!

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 enrolled in the HIA or DSBA master's degree programs, or the Bachelor's in Data Science. Students should either be planning to graduate in December 2024 and seeking full-time positions or eligible for a Spring 2025 internship. Please review your program's website under the "Capstone" section for specific internship requirements before submitting your resume, as ineligible submissions will be removed. To participate, fill out the form and upload your current resume, saved as a PDF with your last and first name in the document title (e.g., JOHN_SMITH_RESUME.pdf). This resume book will be shared with industry partners to supplement your job search. We encourage all students to utilize UNC Charlotte's Career Center and its virtual services for additional support.

Submit Your Resume Here!

DSBA MS Capstone Options - DSBA 6400 Internship vs. DSBA 6991 Master's Thesis

Thursday, October 3, 2024, 4:00 - 5:00 PM

Join us for a virtual event to explore the DSBA MS Capstone options: DSBA 6400 Internship and DSBA 6991 Master's Thesis. We'll cover course prerequisites, key deadlines for paperwork and proposals, and what's expected for each project. This free session will provide essential information to help you choose between the internship and thesis paths. Register through the link above to receive Zoom details by email. Don't miss this opportunity to clarify your capstone choice!

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 Sessions Scheduled:**

- **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. **Registration Link Coming Soon**

- **Virtual Session: Thursday, November 14, 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. **Registration Link Coming Soon**

Important Dates

- **September 30, 2024:** Spring 2025 Schedule of Classes available online
- **September 30, 2024:** Student registration appointment times available online
- **October 14-15, 2024:** Student Recess – No Classes
- **October 17, 2024:** Last day to withdraw from course(s); grade subject to Withdrawal Policy
- **October 28, 2024:** Registration for Spring 2025 begins
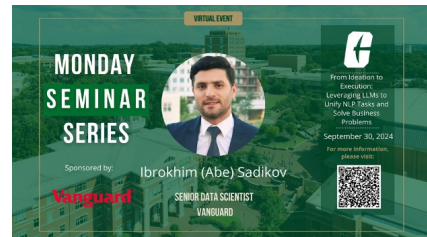- **November 11, 2024:** Veterans Day – No Classes

SDS Monday Professional Seminars

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.

- **From Ideation to Execution: Leveraging LLMs to Unify NLP Tasks and Solve Business Problems: September 30, 2024 (VIRTUAL EVENT):** Learn how innovative ideas are turned into practical solutions using large language models (LLMs) and how to integrate multiple NLP tasks into an efficient

  framework. Gain insights into curating training data and understand real-world workflows for data science projects in a business context. This seminar will equip you with actionable strategies to leverage LLMs for tackling complex business challenges, enhancing your understanding of data science and its modern applications. The session will be led by Ibrokhim (Abe) Sadikov, a Senior Data Scientist with a Master of Data Science from UNC Charlotte. With experience in the healthcare and financial sectors, Ibrokhim currently works at Vanguard, specializing in Natural Language Processing (NLP) and advanced data analytics. Don't miss this opportunity to deepen your knowledge in the dynamic field of data science!

Register Here Today!

The Informatics Research Seminar Series Virtual Sessions | Wednesdays @ 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.

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.**

Interview Tips for Positions in the U.S.

Thursday, October 10, 12:30 pm-1:30 pm, Dubois Center

This workshop will discuss common challenges candidates make when interviewing in their non-native cultures. In particular, it will address tips and strategies specific to the U.S. interview process. Presenter: Rachel King, Assistant Director of the Interview Prep Program for the University Career Center at the University of North Carolina at Charlotte. **More information and Registration**

Undergraduate Advising Sessions

Undergraduate advising sessions are currently underway! **All students are required to meet with a member of the advising team through the Connect system in order to have their registration hold removed.** Please continue to monitor your email for any additional updates on advising.

Graduate Advising Sessions

We will cover degree requirements, course options, special topics, common registration issues, and the process for prior authorization. Don't miss out on this valuable information for planning your Spring semester!

Save the Date: *HIAN Advising Sessions* **for Spring 2025- Wednesday, October 16th @12:00 PM:** It's time to start planning for your Spring 2025 schedule. We will cover degree requirements, course options, special topics, common registration issues, and the process for prior authorization. Don't miss this opportunity to get all the information you need for a successful Spring semester! **Join the Meeting**

Save the Date: *DSBA Advising Sessions* **for Spring 2025**- It's time to start planning for your Spring 2025 schedule! Join us for one of our upcoming virtual group advising sessions:
- Thursday, October 10th at 12:00 PM: **Join the Meeting**

Resources

Student Health and Wellbeing

Taking care of your health is critical. The University has many resources to help support your physical and mental health needs, such as CAPS, the **Student Health Center**, the **Center for Wellness Promotion**, **University Recreation,** and others. The **Center for Integrated Care** can help you navigate campus and community wellness resources. Check out the many upcoming events, make an appointment, or reach out if you have questions.

Preventative Immunizations

Flu and COVID-19 immunizations are available through the **Student Health Center** Register to attend one of the flu vaccine clinics this October and make an appointment to receive the updated COVID-19 booster. The **Aetna Bus** will offer flu vaccines on Sept. 25.

Other Events
AND WORKSHOPS

2024 NCDS Fall Career Panel: Analyzing Data Science Careers | Virtual | October 9 at 5 PM ET

Do not miss hearing these data science professionals provide insight into what it takes to capture the attention of top recruiters in data science and data analytics. Our panelists represent a variety of career stages, and they are ready to discuss what it takes to set yourself apart as you launch your career search. During our fall

event, you'll join panelists working in data and AI security, human movement analysis in research and clinical labs, and more as they explore the paths that lead to a career in data science. The journey looks different for everyone, but a dream job is the destination. We'll discuss a few examples of what it takes to get there and dive into the hard and soft skills that make a top candidate the only candidate for a role in this competitive field.

Register Here!

Free Webinar for Students: Kickstart Your Career Journey!

On November 7, FDM will host a free webinar, "From Class to Corporate: Your Path to Success," designed specifically for students preparing to embark on their career journeys. We believe this event will be incredibly valuable for your students. If possible, please help us promote it using the attached materials. **Why Attend?** This must-attend webinar features an expert-led panel discussion and Q&A session, providing students with the chance to engage with industry leaders and emerging talents. They will share their personal experiences, insights, and strategies that have propelled their careers forward. As you know, the job market is highly competitive for students and new graduates. This webinar will offer practical tips and guidance to help attendees fast-track their careers and gain an edge in their job search.

Register Here!

WiDS Datathon- Looking for a Challenge?

Hone your data science skills with the WiDS Datathon! This exciting event offers you the chance to tackle a critical social impact challenge while enhancing your data science expertise. Whether you're an aspiring data scientist or simply passionate about data science, WiDS provides a supportive environment where participants can connect, share ideas, learn from one another, and enjoy the experience. Be among the first to know about next year's challenges and stay updated on past Datathon successes.

Women in Data Science Worldwide

More Information

Meet the Employer Sessions with NC TECH- October 9 and 10

NC TECH is hosting two Meet the Employer sessions on October 9 and 10, providing

excellent opportunities for students, alumni, and job seekers in your networks to connect directly with employers and their recruitment teams. These webinars feature Deutsche Bank and First Citizens Bank, showcasing their IT departments and career opportunities. Attendees will gain insights into each company's tech landscape, meet key leadership and recruiters, and learn about current job openings and how to apply. These sessions are designed to give participants a competitive edge by providing direct access to hiring teams and valuable information about the work environments. The **Deutsche Bank session will take place on October 9 from 11:00 to 11:45 AM**, followed by the **First Citizens Bank session on October 10**. Separate registration is required for each webinar, and both sessions are open to members and non-members. **For full event details, and speaker information, and to register, please visit the NC TECH LinkedIn post**.

Student Government: Supporting You!

Are you looking for a way to get involved on campus and have your voice heard? The Student Government Association (SGA) and the Graduate & Professional Student Government (GPSG) are here to support undergraduate and graduate students, respectively. They advocate for your interests and fund social events and conference travel. Get involved and make your voice count!

- **Student Government Association (SGA)**: The Student Government Association (SGA) is the official governing body for *undergraduate* students at UNC Charlotte. They focus on effective leadership and collaboration to address student concerns and advocate for positive changes in campus policies and facilities. Their mission is to enhance the student experience and ensure that every voice is heard. Additionally, SGA supports student life and success by providing funding for events, travel, and operational needs of undergraduate student organizations.

Looking for ways to get involved? **Check out this SGA page**!

- **Graduate & Professional Student Government (GPSG)**: The Graduate & Professional Student Government (GPSG) at

UNC Charlotte serves as the primary representative body for all graduate and professional students. They provide a platform for open discussion on issues affecting graduate life and education. GPSG advocates for the interests of graduate students both on and off campus, ensuring their voices are heard. They also support graduate student life and success by allocating funding for events, travel, and operational needs of Graduate Student Organizations.

Check Out the CCI Student Professional Development Newsletter- *In your inbox every week!*

Find their full calendar of events **HERE**.

- Ask Employers Anything with Fidelity Investments- October 1, 2024, 10:30 am - 1:30 pm, Woodward 1st Floor

From the Career Center TDA Community Page. Check out their upcoming events and meet-ups!

- **Industry Meet Up - Global Automotive Careers with BMW Manufacturing**- Tuesday, October 1, 2024, 12:15 - 1:00 pm

Data Science and Health Analytics In The NEWS

These are stories collected from a variety of newsletters and websites:

- **Partial Functions in Python: A Guide for Developers**- In Python, functions often require multiple arguments, and you may find yourself repeatedly passing the same values for certain parameters. This is where partial functions can help. Python's built-in functools module allows you to create partial functions. KDnuggets, SEPTEMBER 19, 2024

- **A Comprehensive Guide to Building Multimodal RAG Systems**, Analytics Vidhya, SEPTEMBER 19, 2024- Introduction Retrieval Augmented Generation systems, better known as RAG systems, have become the de-facto standard for building intelligent AI assistants answering questions on custom enterprise data without the hassles of expensive fine-tuning of large language models (LLMs). One of the key advantages of RAG systems is you can easily integrate your own data and augment […] The post *A Comprehensive Guide to Building Multimodal RAG Systems* appeared first on Analytics Vidhya.

Other Newsletters and Resources:

A limited selection of current newsletters and sites dedicated to data analytics.

- **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.

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

- **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.

- **SouthBDHub**- A monthly newsletter lists

news, events, and opportunities in data science, analytics, engineering, and policy.

- **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.

- **Women in Data**- Women in Data is a global network with over 70,000 members across 60+ countries.

Featured JOBS AND INTERNSHIPS

*Below is a current listing of postings shared with the SDS team or posted on the Career Center's Hire-a-Niner site. If you are interested in sharing a position posting, you can email the information directly to Joshua Hertel (jhertel@charlotte.edu) or access the full UNC Charlotte community through the Career Center- **See Below**.*

Join the Federal Reserve System's Quantitative Fellowship Program! - We invite motivated individuals to apply for the Federal Reserve System's Quantitative Fellowship Program (QFP), focusing on assessing risks in banks and financial institutions.
The QFP, part of the Federal Reserve's Supervision and Regulation function, offers a unique opportunity to contribute to a safe and efficient banking system supporting U.S. economic stability. Key Dates:
- Application Deadline: **December 9, 2024**
- Program Start: **July 2025**

This two-year program is ideal for recent graduates and early career professionals with analytical skills and advanced degrees in quantitative fields. Fellows will rotate through multiple Reserve Banks and the Board of Governors, gaining experience in stress testing, portfolio analysis, and model risk management. **Apply for the 2025 program**

Master's Level Biostatistician Position at Wake Forest School of Medicine: We are excited to announce an immediate opening for a **master's level biostatistician** at the Wake Forest School of Medicine, Department of Biostatistics and Data

Science. We are particularly seeking candidates with experience in genetic statistics, and we anticipate additional openings in the spring. Please see the attached advertisement. Here is the direct link to the Atrium Health Wake Forest Baptist online application: **Apply Here**

Internships

- **Intern R&D Undergrad Summer** - Stockpile Systems Engineering Group CASSI, CA Onsite- Livermore, CA
- **Intern R&D Graduate Summer** - Stockpile Systems Engineering Group CASSI, CA Onsite-Livermore, CA
- **2025 Data Science and Analytics Intern**- Trane Technologies, Davidson, NC
- **Data Scientist Advanced Development Program Internship**, Vanguard, Charlotte, NC
- **Intern, IT - Operations Research - Data Science**- Summer 2025, Delta Air Lines, Atlanta, GA (On-site)

Jobs

- **Business Intelligence Analyst**- **Zillow · United States (Remote)**
- **Machine Learning Engineer, Trust & Enterprise Intelligence**- Grammarly, North Carolina, United States (Hybrid)
- **Senior Statistical Programmer, Spotfire Data Visualization**- IQVIA, Durham, NC
- **Sports Statistician, Genius Sports**- Charlotte, NC (On-site)
- **Senior Data Analyst, Logistics, Trane Technologies**- Davidson, NC

Specialize Job Search Resources for Data Science and Analytics

Jobs & Internship Sites
- **Hire-A-Niner:** hireaniner.charlotte.edu
- **Dice.com:** www.dice.com/jobs
- **The Muse:** www.themuse.com
- **Data Jobs:** datajobs.com
- **Hire Tech Ladies:** www.hiretechladies.com
- **Uncubed:** uncubed.com
- **Crunchboard:** crunchboard.com/jobs
- **Just Tech Jobs:** justtechjobs.com
- **Wellfound (tech startup jobs):** wellfound.com/jobs
- **Product Hunt:** producthunt.com/jobs
- *New Resource: NCTECH Job Board: https://ourmembers.nctech.org/jobs*

For international students:
- **GoinGlobal:** goinglobal.charlotte.edu
- **H1-B Employer Data Hub:** uscis.gov/h-1b-data-hub
- **MyVisaJobs:** www.myvisajobs.com
- **OPTNation:** www.optnation.com
- **Ultimate H1-B Sponsor Checker** (for LinkedIn and Indeed)

Looking for more internships and job postings? Log into Hire-a-Niner or use their convenient School of Data Science aggregator.

Alumni Recruitment: UNC Charlotte's Career Center

Interested in recruiting talented UNC Charlotte students and graduates? We remind you that as an alumni, Hire-A-Niner is still available to you- **as an employer**. Here's what you can do:

- **Post jobs and internships**: Reach a wide range of students, or target specifically by major (like Data Science) or program level (graduate/undergraduate).
- **Get featured in the School of Data Science (SDS) newsletter:** Let us know when you post a relevant job, and we'll promote it to SDS students. **Email Josh Hertel - at jhertel@charlotte.edu** to share postings.

Ready to get started? Visit https://hireaniner.charlotte.edu/ to set up your free Hire-A-Niner employer account. It's a quick and easy process. **Questions?** Contact our Employer Engagement Team at recruit@uncc.edu in the Career Center. We're happy to help and discuss other recruitment opportunities.