



I hope the first week of Fall classes has gone well for you. As we start the semester, please consider how you would like to serve the School this year. We have several clusters hire search committees that we'll need people from different areas to serve. I'd also like to start rotating faculty for two-year terms through our curriculum committees (always with continuity). Please also take note of our Open House on September 16 to officially show off our new space at Colvard, as well as our request for content ideas on the interactive screens inside our suite. This is going to be a busy and exciting month!



SDS Open House

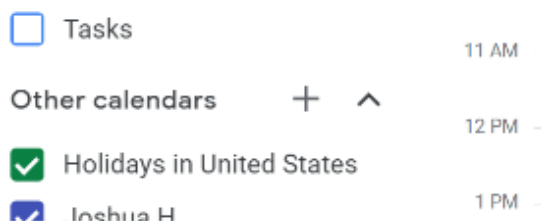


The School of Data Science has moved to the first floor of Colvard South, Suite 1028. This new location puts the SDS in the center of campus, adjacent to one of our primary active learning classrooms. On **September 16, from 3:00 - 5:00 pm**, we will host an Open House for students, faculty, and staff to see the new space. Food will be provided! Please be sure to register!

[REGISTER](#)

SDS Google Calendar

Are you having trouble keeping up with all the upcoming fall events? Add the SDS Calendar to your Google Calendar. Open your Google calendar and look for “Other Calendars” in the right-hand column. Select the “+” and search for “SDS Calendar.” Select and add it to yours; you will see the upcoming seminars, events, holidays, and important dates.



Content Ideas Needed: Colvard TV screens

Our suite has newly installed 86” interactive touchscreen plasma TVs - and we need content ideas from you all! These can be any simple, interactive display for students and others to interact with. Things like the Charlotte Quality of Life Explorer, interactive network diagrams where someone could explore a complex network and its clusters and relationships. We could display interesting web pages, scroll social media accounts or? Bring your ideas and assistance to experiment with the usage of these screens. Let us know if you would like to utilize them for your research.

Please submit any ideas to [Lindsay Lennon](#).

Major Faculty Research Areas in SDS

Six major research areas have been compiled with examples of grants/projects, sample publications, and any faculty currently working on those specific topics. Please refer to this list of research areas as inspiration for collaborative projects.

RESEARCH LIST

SDS Call for Syllabi - Fall 2022

Earlier this week, a call went out to all faculty teaching a DTSC, HCIP, or DSBA course this fall semester to submit their current course syllabus. This is a regular request from the School of Data Science. Submitted syllabi will be posted to the HIA, DSBA, or DS undergraduate program websites as a resource for students, faculty, and staff. If you have not had the opportunity to upload your course syllabus, [here is the link for submissions](#).

2022-2023 Curriculum News

Undergraduate Program News

Hello, SDS faculty! (I won't say "welcome back" because I know some of us barely left!)

In case you missed it, during the academic year 2021–2022, the University began awarding Bachelor of Science degrees in data science. In our first graduating class, 11 gifted students—10 in the spring and one in the summer of 2022—completed the whole sequence of data science major courses in just two years. Two will stay with us for an extra year to finish the DSBA degree, and nine have already begun their professional careers.

The BS in Data Science program enters its second official year during the academic year 2022–2023. On the second day of classes for fall 2022, we held a social event for the new and returning undergraduate data science majors in the new SDS space in Colvard Hall. Dozens of students (and several SDS faculty and staff) gathered for pizza, pop, and community-building. It was great to see so much enthusiasm from our undergraduate students in SDS and evidence of how much the fledgling program has grown in just a few years!

Undergraduate Program Growth

Declared DTSC Majors			
	Fall 2020	Fall 2021	Fall 2022
New First Year Students	N/A	13	45
New Transfer Students	N/A	19	35
Readmitted Students	N/A	6	9
Continuing Students	N/A	61	63
Total	0	99	152
Enrollment in Studio Courses			
	Fall 2020	Fall 2021	Fall 2022
DTSC 1301	52	72	106
DTSC 3601	N/A	16	31

Faculty Involvement

As the program grows, additional faculty involvement would certainly be welcome. Here are a few ways you can get involved if you are interested:

- **If you have ongoing or new data-science-related research projects to which undergraduate students could contribute**, please reach out to me or the SDS Director of Research, Dongsong Zhang. We could proceed in several ways from there, such as:
 - (1) offering a special topics course at the undergraduate level for you to give potentially-interested students the background they would need to participate.
 - (2) offering a special seminar series where different faculty members could give talks or lead activities for potentially-interested research students.
 - (3) hosting you as a guest speaker in one of the studio classes to present to potentially-interested students.
 - (4) facilitating an application process for students to work with faculty members on research projects.

Please let me know if you are curious about and possibly interested in teaching one of the studio courses in spring 2023, the 2023-2024, or the

2024-2025 academic years. I'd be happy to share more information from my perspective and/or put you in contact with one of our CLAS, CCI, or CHHS colleagues who has taught a DTSC studio course in the last two years.

I wish you all a healthy and fulfilling fall semester!

-Angela Berardinelli



Learning & Doing Data for Good Conference September 9-11, 2022

The University of Washington eScience Institute and the West Big Data Innovation Hub are hosting the **Data for Good Conference**: A conference for academics and their partners. At this hybrid event, you will hear from current students and alums from university-based data for good programs alongside project partners and data science professionals. This will be a space for inspiring discussions and connecting with colleagues motivated to learn from and meet the needs of communities and people using data for change. Keynote speaker **Dr. Desmond Patton**, Professor at the Columbia School of Social Work and Department of Sociology, will discuss his work using qualitative and computational data collection methods to examine the relationship between youth and gang violence and social media.

[REGISTER HERE](#)

Health Innovation Summit 2022- Adaptability September 27-28, 2022

The **Health Innovation Summit 2022** will be held at Camp North End and sponsored by **RevTech Labs**, targeted at entrepreneurs and innovators in the Healthcare space. The Health Innovation Summit is a marquee event focused on elevating the Carolinas as the epicenter of healthcare innovation and highlighting the critical work of local organizations, entrepreneurs, and health

systems in our region. At this year's Summit, we're bringing together industry experts and innovators to discuss some of the industry's most disruptive topics and the future of health.

[Purchase Tickets Here](#)



HEALTH INNOVATION
SUMMIT

2022

Important Dates

- Census: September 2
- Labor Day (No classes): September 5
- Fall Break (No classes): October 10-11
- Mid-term Grades due: October 14
- Withdrawal Deadline: October 24



HPC Educational Cluster Account Requests Fall 2022 Term

Please click the link below for details about the HPC Educational Cluster.

[HPC EDUCATIONAL CLUSTER INFORMATION](#)

Colloquia at INFORMS Annual Meeting October 15, 2022

Three important chances for OR/Analytics instructors' professional development are presented by **INFORMS** on the Saturday before the organization's annual meeting (which takes place on October 15).

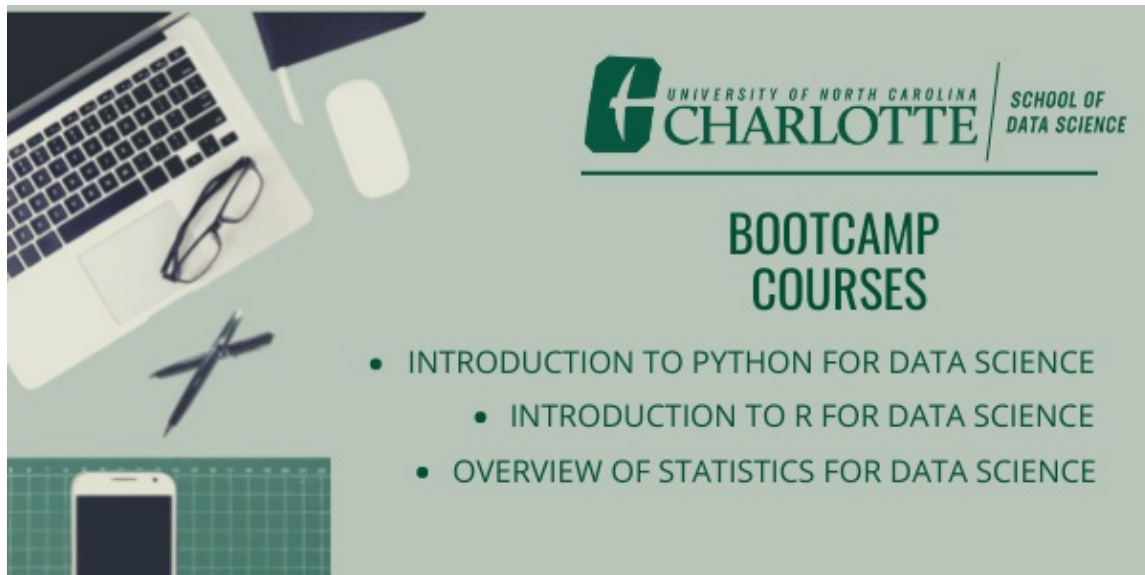
- Doctoral Student Colloquium (DSC)
- New Faculty Colloquium (NFC)
- Teaching Effectiveness Colloquium (TEC)

Those interested in participating can register [here](#).

SDS Bootcamps- Relunched for Fall 2022

All three of the current **SDS boot camps** (Introduction to Python, Introduction to R, and an Overview of Statistics) were reviewed this spring and relunched for fall 2022. These training modules are a free resource for students actively enrolled in the SDS graduate or undergraduate programs. The intent of these modules is for students to utilize them as introductory or foundational review tools.

Please share this with your students.



UNIVERSITY OF NORTH CAROLINA
CHARLOTTE | SCHOOL OF DATA SCIENCE

BOOTCAMP COURSES

- INTRODUCTION TO PYTHON FOR DATA SCIENCE
 - INTRODUCTION TO R FOR DATA SCIENCE
- OVERVIEW OF STATISTICS FOR DATA SCIENCE

If you would like to explore these courses further or possibly integrate them into your fall courses please contact:

- **[Dr. SungJune Park](#)** - Graduate Program Director for the DSBA Program
- **[Dr. Yaorong Ge](#)** - Graduate Program Director for the HIA Program

Free Tableau Resources

Tableau is one of the most popular commercial packages for data visualization in the marketplace. **Tableau for Teaching** (TfT) offers complimentary software, learning resources, and curricula to help instructors teach essential data skills in today's global economy.



TABLEAU ACADEMIC PROGRAMS

Alteryx New Designer Teaching Resources

In our exclusive SparkED Educator Forum, your fellow colleagues offer course materials, including course structures, syllabi, teaching cases, and more. Check out the most recent additions to our teaching resource library.

[MORE INFORMATION HERE](#)

Student RESOURCES

Reinvent the Wheel Hackathon November 11th- 12th

The objective of this year's **Reinvent the Wheel Hackathon 2.0** will focus on sustainability and using data science to reduce the environmental impact of a global automotive supply chain. [Torqata](#) (formerly ATD CoE Advanced Analytics team) is the sponsor of this competition. This fast-growing data analytics company is based in Huntersville, NC. Applications for groups to participate will open on July 1. With 100+ future innovators competing to solve a real-world problem over 24 hours – and participation from community leaders and organizations with a vested interest in potential solutions – there will be no shortage of recruitment and networking opportunities.

Application Deadline is September 15, 2022



SDS Faculty Grant Awards

Grants have recently been awarded to some SDS Faculty members. Please spend some time looking through their recent research projects.

[MORE INFORMATION HERE](#)

Ignite Planning Grant Program

Research and economic development are now accepting applications for the 2022 Ignite Planning Grant program. Submissions are due by 5:00 pm on September 23. [Apply Here](#)

Specifying SDS as an Affiliate Center

When routing a proposal, **please specify SDS as an affiliated center in the Niner Research system** in addition to your home department, so 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.

CDC Announces 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 decision-makers needs.

[MORE INFORMATION HERE](#)

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](mailto:Dongsong.Zhang).



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