

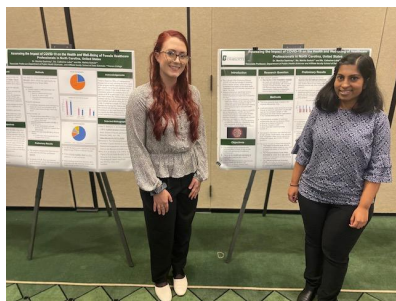


The first month of the semester has flown by! October will be just as busy with plenty of seminars and guest speakers, so be sure to mark your calendars.

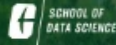
This month's newsletter also brings you undergraduate program news and recent grant awards for our faculty.

Do you have an event or story idea to share with the SDS community? As always, please submit ideas to [Lindsay Lennon](#), SDS Communications and Events Manager.

## Faculty Meeting Recap



We had a great turnout at last week's faculty meeting! Several posters were displayed afterwards as well, displaying various research projects. Thank you to all who attended! The next meeting will be at the start of the spring semester.



# IMPORTANT UPDATES

## Alumni Social Event: October 22 at El Thrifty

Faculty are invited to attend the Alumni Social Event at El Thrifty in Optimist Hall on October 22 from 3-6pm. This is a great chance to reconnect with former students while enjoying a taco bar and outdoor games. Please be sure to register!

A promotional poster for an Alumni Social event. The background is a light teal color with a top-down view of a taco bar. On the right side, there are bowls of red salsa, green guacamole, a bowl of white cheese sauce with tortilla chips, a bowl of guacamole, and a stack of tortillas. A wooden spoon and a small bottle of hot sauce are also visible. The text on the left side of the poster reads: 

**Alumni Social**

*el*  
**THRIFTY**  
CHARLOTTE

October 22  
3:00 - 6:00pm

***Join your SDS Student Org  
for a taco bar, desserts,  
& games!***

[REGISTER NOW](#)

## 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.

Tasks

11 AM

Other calendars + ^

12 PM

Holidays in United States

1 PM

Joshua H

## 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](#).

## Gender, Bodies & Technology Conference: Accepting Student Proposals

The Women's and Gender Studies Program at Virginia Tech calls for [proposals](#) for the regional incarnation of the Gender, Bodies & Technology Conference, March 16-17, 2023. The theme is Post-Dobbs Precarity. They are seeking 3-4 person panels, roundtables, facilitated workshops, or artistic performances that engage feminist activists, artistic, and critical theoretical approaches to matters of science, technology, information, medicine, the body, and more.

Contact [Dr. Andrea Pitts](#), Associate Professor of Philosophy at UNC Charlotte, with questions.



## 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



## 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



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



## SDS Coffee Hour Tuesday's at CCB

The SDS Student Council has organized a series of drop-in coffee hours at the Center City Campus. These are informal networking events for faculty, students, and staff. Join us on the fifth floor for a quick caffeine jolt and casual conversation!

The Dubois Center/CCB Room 501:  
10/18/22 at 5:00 pm  
10/25/22 at 5:00 pm  
11/08/22 at 5:00 pm

## Upcoming Registration

With Spring registration approaching, advising information has been communicated to all SDS students. DTSC undergraduates will have a hold placed on their account requiring mandatory advising with their assigned academic advisor. Graduate students will have the opportunity to participate in a group advising session to prepare them for registration, which begins on October 31. If students have questions, please direct them to Carly Mahedy or Josh Hertel.

## Wednesday Health Informatics Research Seminars: 4:00 pm to 5:00 pm

UNC Charlotte is part of the consortium of North Carolina Schools that offer weekly *virtual research seminars*. Members include UNC-Chapel Hill, Duke University, East Carolina University, and UNC Charlotte. Every Wednesday from 4:00-5:00 pm, researchers from across the state present their latest research. **[Log in and join the conversation.](#)**

## NC Tech Job Expo October 5, 2022 *(Virtual Session)*

The **EXPO** is a virtual event allowing job seekers and employers to connect live via chat and video. Job seekers can visit virtual booths to learn more about the participating employers. Employers customize a virtual booth with a corporate description, employee benefits/perks, social media links, job vacancies, and more.



## International Speaker Series October 25, 2022, 3:30 pm - 5:00 pm

Yaya J. Fanusie, Adjunct Senior Fellow at the Center for a New American Security, will discuss **China's Digital Yuan: Is Data The New Currency?** on October 25 from 3:30 - 5:00pm in the Lucas Room at the Cone Center.

His research focuses on the national security implications of cryptocurrencies and blockchain technology. He also spent seven years as both an economic and counterterrorism analyst in the CIA, where he regularly briefed federal law enforcement, U.S. military personnel, and White House-level policy makers.



UNC CHARLOTTE CAMPUS COMMUNITY IS INVITED:

# INTERNATIONAL SPEAKER SERIES



**YAYA FANUSIE**

Digital Currency, Fintech, and Business Analytics Expert and Adjunct Senior Fellow, Center for a New American Security

## CHINA'S DIGITAL YUAN: IS DATA THE NEW CURRENCY?

Tuesday, October 25, 2022

3:30 p.m. - 5:00 p.m.

Location: Lucas Room, Cone Center

## Powwow at UNC Charlotte: October 29

Check out the Annual Powwow event, supported and sponsored by SDS!  
Details are provided below.

### ANNUAL POWWOW AT UNC CHARLOTTE

October 29 • Grand Entry: 12 PM

Northeast Recreational Field Complex



#### HEAD STAFF:

Master of Ceremonies (MC): Sandon Jacobs

Arena Director: Ricky Burnett

Head Male Dancer: Nathan Campbell

Head Female Dancer: Zianne Richardson

Head Judge: Nora-Dial Stanley

Host Drum: Smokey River

Invited Drums: Tobacco Road & WarPaint

#### ADMISSIONS:

Free - UNCC students/staff, 0-5 year olds,  
& 65+ year olds

\$3 - All other College Students

\$5 - General Admission



HOSTED BY  
UNCC NASA &  
THE NATIVE  
AMERICAN  
CAUCUS



For more information, please visit: <https://nasfc.charlotte.edu/annual-powwow>

## Digital Humanities Project



Interested in collaborating or sharing your expertise on a digital project? Join the [Digital Humanities Discussion Group](#). Through the group:

- Faculty can invite students to help with projects requiring programming, ArcGIS, data visualization, and web development skills.
- Students can seek projects where they can apply their skills.
- Faculty can seek collaborators and expertise from other faculty across campus.

With more than 60 members across campus and disciplines, the group provides easy access to a network of students and faculty interested in digital projects. To join, subscribe to the discussion group, and feel free to reach out to Atkins Library with any questions at [atkinsdh-group@uncc.edu](mailto:atkinsdh-group@uncc.edu).

## Financial Services Career Fair October 5, 2022, 4:30 pm - 7:30 pm

The Belk College of Business will host over 40 employers at this semester's Financial Services Career Fair. At least 18 companies are recruiting for data and analytics roles, both internships and full-time positions. This free event is held in the Student Union - you don't want to miss it!

[REGISTER HERE](#)

## CCI Career Fair: SDS Students Welcome! October 6, 2022 10:00 am - 2:00 pm

The College of Computing and Informatics will host a career event for undergraduate and graduate students in the Student Activities Center. [Register](#) today to meet with industry recruiters from across the Charlotte region.



The graphic features the University of North Carolina Charlotte logo at the top left, followed by social media icons for Facebook, Instagram, and Twitter, and the handle @CCI\_Business\_Partners. The main title 'CCI Career Fair' is prominently displayed, with a green box indicating the location 'SAC 3rd Floor' and the date and time 'Thursday, Oct 6th 10:00am - 2:00pm'. Below this, a grid of logos for participating companies is shown, including TIAA, Lowe's, Lucid, Wells Fargo, Duke Energy, AvidXchange, Brooksource, and Centene Corporation. At the bottom, a bold statement reads 'CCI Students are in High Demand with these companies!'.

UNIVERSITY OF NORTH CAROLINA  
CHARLOTTE  
COLLEGE OF COMPUTING AND INFORMATICS

f i t @CCI\_Business\_Partners

**CCI Career Fair**  
SAC 3rd Floor  
Thursday, Oct 6th  
10:00am - 2:00pm

TIAA  
LOWE'S  
Lucid  
WELLS FARGO  
DUKE ENERGY  
avidxchange™  
brooksource  
CENTENE Corporation

**CCI Students are in High Demand with these companies!**

# BIG Fall 2022 Seminar Series

The Department of Bioinformatics and Genomics hosts a Weekly Seminar Series that covers research within Bioinformatics, Genomics, and Computational Biology. Seminars are free and open to the public. Seminars take place on Fridays from 2:30- 3:30 PM.

## ABD Society's Signature Series October 6, 2022, 5:30 pm - 8:00 pm

The ABD Society is excited to host our quarterly Signature Series Event. Join us for this **FREE** In-person event at Discovery Education (Located in South Park). From enhancing learning to creating engagement to improving diversity initiatives to measuring performance: Industry experts Shishir Desai and Neil Bhandar will weigh in on People Analytics trends across the industry. Bring your questions for an engaging Q&A and a networking reception.

[REGISTER HERE](#)



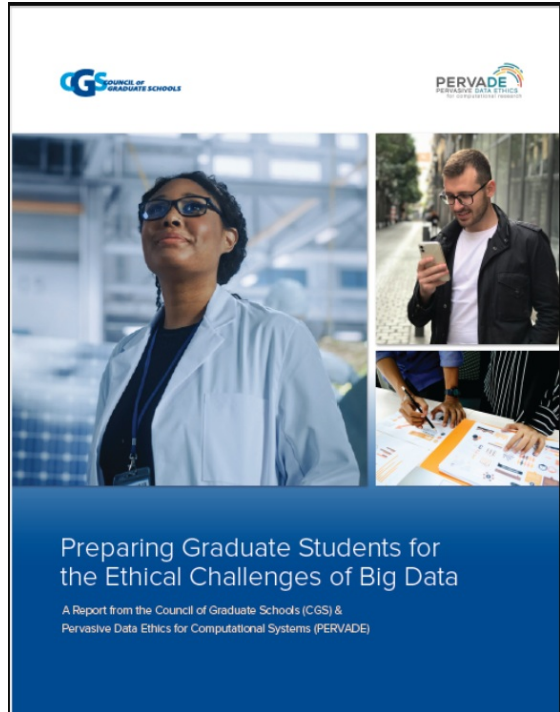
## Important Dates

- Fall Break (No classes): October 10-11
- Mid-term Grades due: October 14
- Withdrawal Deadline: October 24



## Council for Graduate School Report

CGS partnered with [PERVADE](#) to release a report that, among other findings, called for the integration of big data ethics into graduate research training at all levels. Big data methodologies can be seen as a novel innovation, but the ethics underpinning them transcend university silos. Faculty mentorship, as well as identifying local and on-campus experts in these issues, can help better prepare students for working with large datasets and AI analysis. Read the full report and recommendations and watch the plenary speakers [here](#).



## 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](#).



# Student

## RESOURCES

### Tuesday Seminar Series

Our Tuesday seminars run from 4:00-5:00 pm and feature guest speakers from data science and health analytics who provide real-world insights and perspectives on various career paths. The full schedule with registration links is on our [events](#) page.

Coming up next week, we will host representatives from Bank of America to explore inclusive workspaces. Later in October, we will offer an Introduction to Github. Please encourage your students to participate Tuesday afternoons at CCB.

**TUESDAY SEMINAR SERIES**

IN PERSON EVENT

Jessica Dunn  
SENIOR DATA SCIENTIST

Ryan Wesslen  
MACHINE LEARNING ENGINEER

Samantha Singer  
DATA SCIENTIST

Why We Need More Women in Data Science Succeeding  
October 4, 2022

For more information, please visit:

Sponsored by:

SCHOOL OF DATA SCIENCE

# RESEARCH UPDATES



## 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](#)

## 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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