

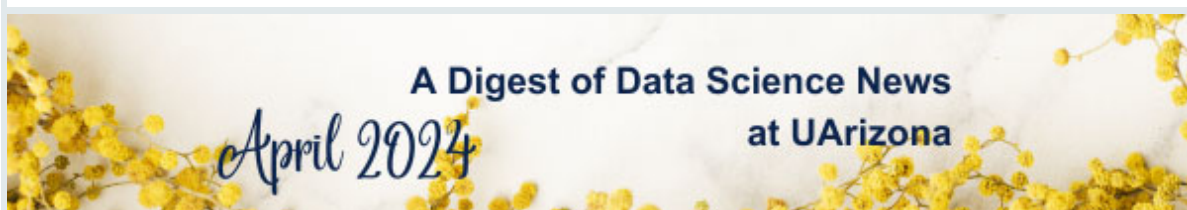
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THE UNIVERSITY OF ARIZONA



RESEARCH, INNOVATION & IMPACT
Data Science Institute

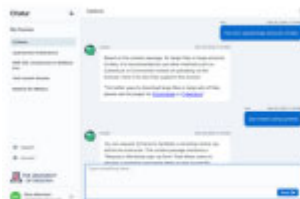
The Data Drip



[Data Science Institute \(DSI\)](#) / [News and Activities](#) / [Musings and Opinions](#) / [Calendar](#)

[DATA SCIENCE INSTITUTE \(DSI\)](#)

Chatür, the chatbot, ready for version 2



Chatür Classroom Chatbot

The second phase of [Chatür](#) is underway which will include integrating into D2L. Instructors must upload course documents to train Chatür. Students registered in that course would access Chatür from D2L and converse with Chatür about the course throughout the semester. Interested in using the pilot version of Chatür during the summer with your course? Let us know that you want to request your documents to be loaded into Chatür by completing this [brief form](#) or emailing DSI at rji-datascienceinstitute@arizona.edu.

Read [more](#) about Chatür.



Increase lab productivity with LabScrum, a standalone framework workshop

Join DSI at the virtual [LabScrum](#) workshop presented by Linda May, PhD, from 1 - 3 PM on [April 17](#) and repeated on [May 1](#), 2024. Learn how to organize your lab better, manage complex work, and increase productivity, scientific rigor, quality of training, and quality of life for the team. Presented as a

standalone framework distinct from Scrum, LabScrum often results in significant time savings for PIs and is usually about neutral in time commitment for trainees. Register for the LabScrum workshop - [April 17](#) or [May 1](#).



Soteria officially launches!

[Soteria](#), the secure data and analysis enclave, is now officially accessible to University of Arizona researchers. Soteria provides a protected data compliant environment for collaborative research, specifically for projects and datasets containing sensitive information such as Personally Identifiable Information (PII) or Protected Health Information (PHI). [Apply now for Soteria access](#). Get started with Soteria by completing the [Soteria Access Request Form](#) and the required training modules available in Edge Learning using your valid UA NetID. The modules cover University Information Security Awareness, HIPAA Essentials, and Insider Threat Awareness.

What Research Software Engineers need to know webinar

Friday morning free [CyVerse webinars](#).

- 4/19 [User Experience 101 for Data Science and Research Software Engineers](#), What Research Software Engineers Need to Know About User Experience (UX)
- 5/3 [Geospatial Analysis Using CyVerse](#), Get a "bird's eye view" of available geospatial resources



[Getting Started with CyVerse and Support Hour](#) is available for [UArizona CyVerse](#) account holders. Check the [DSI calendar](#) for more info about the online support.

Wrapping up UArizona Spring 2024 Data Lab workshops

Join Spring 2024 UArizona Data Lab workshops through April and find videos of the [workshops](#)

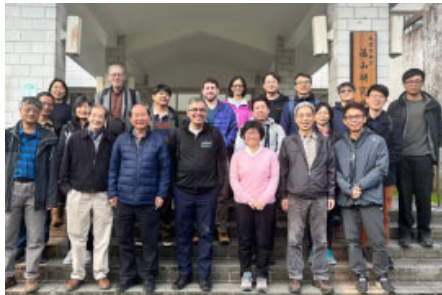
on YouTube:

- [Navigating the World of Data Engineering](#)
- [Cracking the Coding Interview](#)
- [NextGen Geospatial Data Science](#)
- [Data Science Essentials: From Jupyter to AI Tools](#)
- [Data Science Tapas: Savor the Tools of Data Mastery](#)
- [Mastering Machine Learning: Your Path to Data-Driven Research](#)
- [Introduction to Deep Learning](#)

CALENDAR

Be sure to check regularly the [Data Science Institute's calendar](#) for information about useful data science workshops, trainings, and events offered by the Data Science Institute, UArizona Data Lab, CyVerse and other departments across the UArizona campus.

NEWS AND ACTIVITIES



Potential collaboration with agricultural research in Taiwan

In Taiwan on March 11-14, 2024, [Nirav Merchant](#), Director of the Data Science Institute, and [Edwin Skidmore](#), Director of Infrastructure with CyVerse, visited and met with researchers from [TARI](#), [NCHC](#), and [TFRI](#). As members of the [COALESCCE](#) trans-disciplinary delegation touring the sites, Merchant and Skidmore discussed potential collaborative efforts to provide the cyberinfrastructure and research tools for data management, machine learning, and cloud computing to enhance agricultural research and forest management in Taiwan.



Research leaders meet to discuss the future of



drone data management

Drs. [Tyson Swetnam](#) and [Jeffrey Gillan](#), researchers at the University of Arizona, organized a drone summit at Biosphere 2 in Oracle, AZ on March 27-28, 2024 to address some of the challenges associated with drone data. A select group of researchers in geospatial science and computing discussed every aspect of the drone data lifecycle to find common problems to tackle together. The output of the drone summit will be forthcoming proposals focused on cloud computing solutions, metadata standards, and platforms for sharing drone data. [Read more](#).



Awesome Image Data Management - OMERO

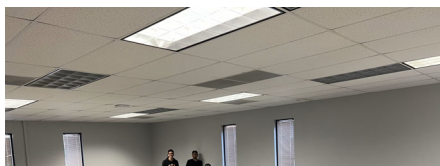
Research labs sometimes encounter problems with the size, amount, and complexity of image data especially if it is in a vendor-specific format.

[OMERO](#) is an image-centric data management software that DSI makes available to UArizona researchers who want to manage their data in compliance with NSF and NIH mandates. OMERO opens over 160 proprietary file formats and handles very large data sets with ease. Learn more about OMERO from [Doug Cromey](#) in this [YouTube video](#) at a March 2024 University of Arizona Cancer Center event.



UArizona wins at 2024 American Statistical Association DataFest

The Data Science Institute was a sponsor of the 2024 American Statistical Association DataFest that was held at UArizona, ASU, NAU and virtually on April 5-7, 2024. The 48-hour hackathon competed to extract meaningful insight from rich and complex data sets. Professor [Hao Helen Zhang](#) acknowledged, "With over 160 registered





participants, comprising 36 teams from UA, ASU, and NAU, the event showcased remarkable performance. All teams demonstrated exceptional creativity in overcoming challenges within time constraints, high team morale, and productive collaboration. Big congratulations go to two UA winning teams, team KDumbestStudents for the *Best Visualization Award* and team DataDestroyers for the *Best Insight Award*." [Read more.](#)

Sign up for the UArizona RSE program!

The soon-to-be-launched RSE program recognizes and provides support to the community of research software professionals throughout the UArizona campus. The program goal is to retain the talent of research software engineers between research projects. The purpose of the RSE Partner Program is to allow researchers to stay focused on their research mission while ensuring that supporting software and computational environments are developed to adequate standards and meet all institutional and funder guidelines. Join the growing community of research software professionals interested in being part of the RSE program by [emailing](#) the Data Science Institute.



ResB(az)² Tucson 2024 happening in May!

Taking place in the UArizona Main Library, the [Research Bazaar Festival 2024](#), hosted by [ResBazAZ](#), is a highly collaborative event where anyone, regardless of discipline or previous experience, can learn, share knowledge, find help, and have fun! We are innovative and community-centered, with a commitment to inclusiveness. The free festival is scheduled slightly different each day and is open to all:



- May 15 ~ Online conference
- May 16 ~ In-person ([Unconference](#))
- May 17 ~ In-person (Traditional conference)

[Register](#) to join us for workshops on programming, data science, high performance computing, data visualization,

machine learning, digital literacy, and more! Also, you can sign up to [volunteer](#) to lead/help with a conference session.

MUSINGS AND OPINIONS

Congrats - WiDS Tucson successful 2024 conference!

The Data Science Institute sponsored lunch for the Birds of a Feather (BOF) session at the 2024 [Women in Data Science Tucson \(WiDS\)](#) Conference. The hybrid conference held on March 29, 2024 at the UArizona Main Library included BOF session topics: Data science jobs/careers, AI, and Dealing with stereotypes and implicit bias. The purpose of the WiDS conference is to inspire and educate data scientists worldwide, regardless of gender, and to support women in the field.



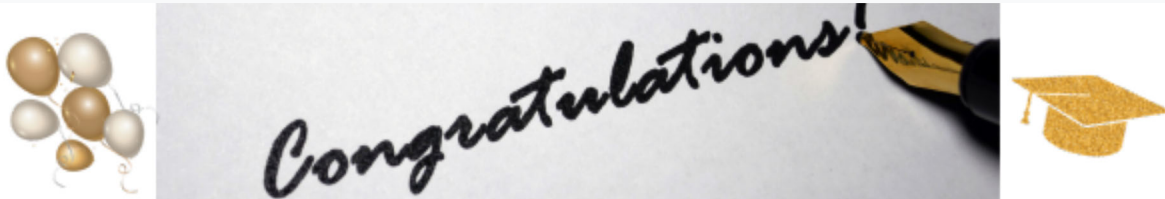
**Women in
Data Science
Worldwide**

Tucson

Get your UArizona CyVerse account



Create your [UArizona CyVerse account](#). Thanks to the Technology and Research Initiative Fund (TRIF), 2,500 Academic Pro accounts that offer free data storage, and compute and cloud native resources are available to UArizona students, faculty, and staff. CyVerse, the largest publicly-funded open-source research cyberinfrastructure for life sciences, has played a crucial role in advancing data-driven research. [Read more](#). Join the [Getting Started with CyVerse and Support Hour](#) for [UArizona CyVerse](#) account holders. Check the [DSI calendar](#) for more info about the online support.



Congratulations to our graduates and interns!

The Data Science Institute and CyVerse recognize the milestone achievements of our

students - Congratulations!

- Ifeoluwa Godwin Ale, B.S. in Computer Science (May 2024)
- Linda Engelman, B.S. in Environmental Engineering (May 2024)
- Urvika Gola, M.S. in Computer Science (May 2024)
- Quanwei Lei, B.S. in Computer Science (May 2024)
- Austin Medina, internship as a Data Intelligence Engineer for Comcast (Summer 2024)
- Ryan Schneider, B.S. in Computer Science (May 2024)
- Mario Weiler, B.S. in Software Engineering (May 2024)



Spotlight you and your research!

The Data Drip will highlight UArizona students, faculty, staff, research, data science projects, tools, and/or software. DSI wants to shine the light on you. Let us know what you want to share.

[Email us to contact you](#)

Share [The Data Drip](#) with your friends and colleagues! They can [subscribe](#) by completing a brief form. Let us know if you have data science news that you want us to share in *The Data Drip* or on the [Data Science Institute](#) website.



The UArizona data science community is reading and sharing...

- [The dean who came to visit – and added dozens of authors without their knowledge](#)
- [Computing Paths in Biology Interview](#)
- [Dialect prejudice predicts AI decisions about people's character, employability, and criminality](#)

Read more news about the UArizona data science community on the [Data Science Institute news](#) site.

CALENDAR

Take a look at the Data Science Institute's [calendar](#) for data science workshops that are available from across campus. To see your data science event listed below in The Data Drip and on the DSI calendar of events page, complete the DSI [calendar](#) request form.

[UArizona Data Lab workshops](#) are offered weekly during the semester.

- APR
M/W/F [Cracking the Coding Interview](#)
Learn some tricks and tips which can help you crack programming interview questions.
- APR
Fridays [CCT Bayesian Learning Group](#)
8 biweekly sessions in a peer-to-peer learning collaborative while working through foundational concepts in Bayesian statistics.
- APR
Fridays [Deep Learning for Astrophysics](#)
This is a comprehensive introduction to deep learning with practical applications in astrophysics.
- APR
16 [UArizona DataLab Special Workshop: RNA-Seq](#)
Experimental Design: Learn how to strategize your RNA-Seq experiments for optimal results, considering factors like sample preparation, library preparation, and sequencing depth and more.
- APR
17 [LabScrum Workshop](#)
[LabScrum](#) is a process framework developed to manage work in academic scientific research as an adaptation of the Scrum project management framework.
- APR
24 [Matlab Workshop](#)
During this hands-on workshop, we will introduce parallel and distributed computing in MATLAB with a focus on speeding up application codes and offloading compute.

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Did a friend send this email to you? Subscribe to let us know to add you to the Data Science Institute email list. Or email the Data Science Institute so we can be of assistance to you and your research.

SUBSCRIBE TO THE DATA DRIP

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Land Acknowledgment

We respectfully acknowledge the University of Arizona is on the land and territories of Indigenous peoples. Today, Arizona is home to 22 federally recognized tribes, with Tucson being home to the O'odham and the Yaqui. Committed to diversity and inclusion, the University strives to build sustainable relationships with sovereign Native Nations and Indigenous communities through education offerings, partnerships, and community service.