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THE UNIVERSITY OF ARIZONA



RESEARCH, INNOVATION & IMPACT
Data Science Institute



DATA SCIENCE INSTITUTE



DataFest 2023

Thank you to the hundreds of individuals who joined us both in-person and virtually April 10-21 at the hugely successful [DataFest 2023](#). UArizona, ASU, and NAU hosted data science workshops and activities reaching participants of all levels, from beginners to

experts at:

- [Software Carpentry](#)
- [ResBaz Arizona Annual Festival](#)
- [Women in Data Science Tucson Conference](#)
- [Research Data Challenge Conference and Awards Luncheon](#)

The success of the DataFest would not have been possible without the invaluable contributions of everyone involved in its creation including sponsors, speakers, and volunteers. Continue to inspire and make a difference in the data science community with your awesomeness - virtual thank you hugs and high-fives!

ResBaz AZ

With the help of many great volunteers, ResBaz AZ 2023 was a highly successful, free conference that took place April 17th-19th with workshops and activities hosted by UArizona, ASU, and NAU as part of DataFest 2023. ResBaz, short for Research Bazaar, is a global festival that advocates for digital literacy as an essential component of modern research. Nearly 200 individuals from various fields and backgrounds attended both locally and internationally.

At ResBaz AZ, attendees had the opportunities to develop their skills in "next-generation digital research tools and techniques." ResBaz AZ was designed to be interactive and engaging, similar to a marketplace or bazaar, where researchers could learn, share knowledge, and enjoy themselves. The event's success can be attributed to its highly participatory nature, providing participants with valuable opportunities to network and learn. Evidently, ResBaz is a valuable initiative that supports the use of digital tools and skills in research. We anticipate more initiatives like this in the future.

WiDS Tucson

WiDS Tucson 2023 was a one-day conference focused on research data science held April 20, 2023, in sunny Tucson, Arizona, USA. The fifth annual event brought in over 100 attendees, including data scientists, researchers, and students, from various departments across the UArizona and beyond. Each of the two keynote speakers were renowned experts in their respective fields, including Denice Ross, United States chief data scientist, who champions quality census data and Dr. Nicki Washington, a professor of computer science at Duke University and author of the book *Unapologetically Dope*, a leading

expert in identity and cultural competence in computing.

The conference featured technical talks, research presentations, panel discussions on topics such as data science training, and machine learning vs statistics, and a social networking session. Attendees had the opportunity to learn from leading experts, connect with peers, gain awareness of the use of data science in academic research, and socialize with other Tucson local data scientists in conjunction with DataFest 2023 at UArizona. From everyone at WiDS Tucson, thank you - to keynotes, speakers, sponsors, volunteers, and attendees - for making the event a memorable and valuable experience for all.

ANNOUNCEMENTS



The Data Science Institute sends congratulations and recognition to our fantastic students and their accomplishments!

- Laura Falk earned her Master's in Data Science.
- Ankit Pal has a summer internship with Tesla.
- Linda Engelman has a summer internship in Austin, TX.





Celebrating Success - Data Science Fellows 2022-2023 and Spring 2023 cohorts

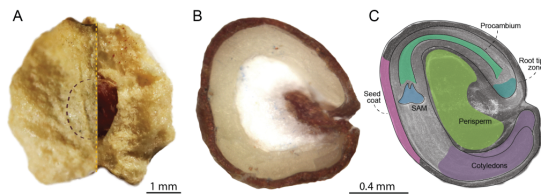
Congratulations for successfully completing the [Data Science Fellows program](#) - Lina Benitez, Peter Echieh, Nicole Jimenez, Meghavarshini Krishnaswamy, Linnea Linde-Krieger, David Lopez, Kiana Lee Martinez, Ajay Perumbeti, Samatha Werts, and Shashank Yadav.

The Data Science Fellows program serves as part of the UArizona Strategic Initiative, UA Health Sciences 5.3, Health Analytics Powerhouse for Health and Life Sciences.

Applications for the Fall 2023 Data Science Fellows program are due by August 1, 2023 at 5:00 pm.

Roots for Resilience student places in Data Viz Challenge

Kamila Murawska-Wlodarczyk, a student with the 2022 [Roots for Resilience program](#) cohort, placed third in the UA Libraries [2023 Data Visualization Challenge](#). She competed in the Graduate/Professional student category with her visualization, "Revealing the Inner Structure of Atriplex lentiformis Seeds."



News and Activities



Instruction and outreach

Data Science Institute and CyVerse team members participated in a strategic



planning retreat to align projects and better support each other's work around instruction and outreach.

REGISTER - learn to write better ChatGPT prompts

UArizona faculty, staff, and students, discover the power of ChatGPT and elevate your work this fall semester! We're excited to announce this special **ChatGPT Prompt Engineering Workshop**, designed to help you harness the potential of this revolutionary tool.



Join us for this half-day, free workshop, brought to you by **CyVerse** and the **UArizona Data Science Institute**, where we'll teach you how to craft better prompts for a wide range of applications, from coding and data analysis to research methodology and publication abstracts.

ChatGPT is transforming the way we work, learn, and teach at the UArizona. To make the most of it, you'll need to master the art of creating effective "prompts" - the messages or requests that guide ChatGPT's responses.

Workshop Details:

- - In-person only
- - HSIB, Room 531 (Health Sciences Innovation Building)
- - May 31, 9am - 1pm
- - Open only to UArizona faculty, staff, and students

Prerequisites:

- **Create a ChatGPT account**
- Bring your laptop

⚠ Limited Seats Available: Hurry and secure your spot, as we're capping the workshop at 50 participants!

Don't miss this incredible opportunity to enhance your daily work with ChatGPT. **REGISTER** today and unlock the full potential of this groundbreaking technology at UArizona!

This in-person only workshop is limited to 50 registrants.

May and June

MAY
Tuesdays
2-30

Data & Viz Drop-in

Meet with the Data Cooperative Specialists to get help with your data needs on Tuesdays, 9-11 AM, with in person sessions at CATalyst Studios in the Main Library or virtually when available.

MAY
Thursdays
11-25

R for Clinical Study Reporting

Welcome to R for clinical study reports and submission book club! Let's prepare you for your future job in clinical data science. At each weekly meeting, we'll review two chapters from the linked book and work together on a slide deck of resources to reference after reading.

JUNE
Thursdays
1-15

Data Science Workshop series in the Phoenix Campus

The Data Science Workshop series on the Phoenix campus discuss relevant topics to Open Science and Data Science with a slight gear towards a Health Sciences focused audience.

MAY
26

MAY
31

ChatGPT Prompt Engineering Workshop

Craft and refine prompts to enhance ChatGPT's effectiveness in a half-day workshop hosted by CyVerse and UArizona's Data Science Institute. Improve results for code, analysis, and research methodology.

JUNE
5

Unlocking the full potential of 'ggplot2'-Part 1

Part 1 of this 3-part workshop will focus on understanding the

foundations of 'ggplot'.

JUNE
12

Unlocking the full potential of 'ggplot2'-Part 2

Part 2 of this 3-part workshop will focus on adding finishing touches like custom colors, annotations, and multiplot figures.

JUNE
26

Unlocking the full potential of 'ggplot2'-Part 3

Stuck in a rut? Part 3 of this workshop will be a showcase of extension packages to meet or exceed your data viz needs.

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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.