

KRISTINA RIEMER

Director of Data Science

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PROFESSIONAL EXPERIENCE

UNIVERSITY OF ARIZONA

Tucson, AZ

Director, CCT Data Science Group

January 2023 - Present

- Coordinate collaborative research projects between domain scientists and group members to produce new research infrastructure such as [data pipelines](#) and [dashboards](#) for geospatial, ecological, and agricultural data
- Develop and implement project management processes, including formal project planning, GitHub project boards with monthly group project meetings, and regular check-ins with collaborators
- Track and summarize quantitative and qualitative data on group's impact on researchers' work, especially number of products and projects complete, feedback on project management approaches, and amount of grant funding enabled
- Successfully manage the day-to-day functioning of a small [group](#) of data scientists and software engineers using agile approach, including two week sprints with planning and retrospectives, a GitHub project board, and individual annual reviews and consistent one-on-one meetings
- Continually improve operational guidelines in the [group procedures book](#) and [incubator program guidelines](#)
- Present on group's mission, vision, programming, and approach to many venues, including faculty departmental meetings, upper leadership, and national conferences
- Work effectively and efficiently as a remote team since 2019 using modern tools such GitHub, Slack, and Zoom
- Have knowledge of data science leadership principles and practices through contributing to a [guidebook](#) on academic data science, being invited to a [data science leadership summit](#), and receiving mentoring from academic data science leaders
- Review and update group's operational budget regularly and set appropriate goals through the upcoming year's budget; bring funding into the group through internal collaboration sources and external grant proposals; work with collaborators to identify and initiate additional revenue generating opportunities like large grant proposals
- Interact with and support faculty, staff, and leadership across the division through strategic planning initiatives like the [Ithaka S+R AI assessment](#)

Scientific Programmer, CCT Data Science Group

January 2019 - January 2023

- Successfully completed a half dozen short- and long-term collaborative projects that required managing, gathering, and analyzing ecological and agricultural data while communicating effectively with researchers and projects leads and solving challenging logistical issues; collaborative projects included [The Agricultural Research Data Network](#) and the R package [volcalc](#)
- Assisted with the group's strategic planning by developing the mission and vision, and initiating new programming: [workshops](#) to train researchers on reproducible science tools and [the incubator program](#) for completing short-term collaborative projects

- Assisted with management strategies by helping hire and onboard five group members over three years, providing feedback on project management improvements, and representing the group at domain-relevant conferences and meetings such as [ResBaz Tucson 2022](#) and [rstudio::conf 2020](#)
- Interacted with and supported faculty, staff, and leadership across relevant units through drop-in hours, workshops, and collaborative projects
- Collaborated with community leaders and researchers to organize and hold the annual [Women in Data Science Tucson](#) conference for five years running
- Assisted with the group's funding by reviewing half a dozen proposals, submitting three proposals with one successfully funded, and co-writing the Hatch proposal
- Taught researchers new skills in agricultural data management and reproducible scientific programming by developing curriculum for and teaching ten workshops and five workshop series over four years

EDUCATION

UNIVERSITY OF FLORIDA

Gainesville, FL

PhD in Wildlife Ecology and Conservation

2013 - 2019

- Published multiple articles in scientific journals as lead author
- Learned and applied data science and reproducible science approaches to ecological research projects
- Helped found and run UF Carpentries Club to organize workshops on computational skills

LAWRENCE UNIVERSITY

Appleton, WI

Bachelor of Arts in Biology

2008 - 2012

CERTIFICATIONS

- [CSCCE Project Management for Scientists](#) mini-workshop, March 2025
- [Building a Data Science Team](#) course, February 2023
- [Open Life Science](#) program, spring 2020
- [Carpentries Instructor](#) training, January 2016

VOLUNTEER EXPERIENCE

Communications Committee Co-Lead, US-RSE National Conference 2024 (December 2023 - October 2024): Organized and coordinated conference advertising within and without association; contributed to communications and general committee monthly and bimonthly meetings; documented processes

Editor, Journal of Open Source Software (June 2020 - August 2023): Managed scientific software journal submissions; identified appropriate reviewers; communicated with authors and reviewers