2023 SUMMIT SCHEDULE

Workshops

Monday, March 27, 2023

12:00 pm - 2:45 pm ET: Workshop 1: *Communication Skills for Data & Information Science Professionals*

Instructor:
Christopher Eaker

Maximum capacity: 30

Strong interpersonal communication skills can foster success in both professional and personal situations. This interactive workshop invites participants to explore and practice skills for networking effectively, for talking about difficult topics, and for communicating about complex issues. Participants will learn practical tools that can be applied immediately in both their workplaces and their personal lives. Small and large group activities keep participants engaged throughout the training, which is based on the NSF-funded CyberAmbassadors curriculum. The full CyberAmbassadors curriculum includes more than 20 hours of training in communications, teamwork, and leadership skills. The presenter is a trained CyberAmbassador facilitator. In this workshop, participants will explore three modules (of nine total) from the CyberAmbassadors curriculum, including: 1. “First Contact: Communicating with a Purpose” explores the ways that effective networking skills can foster learning, invite collaborations, and uncover new opportunities for personal and professional success. Participants will learn the value of First Contact in different settings and build skills for communicating in unfamiliar situations, with the goal of developing connections, sharing ideas, and building partnerships. 2. “Let’s Talk: Communicating about Problems” focuses on building participants’ capacity to engage in meaningful, one-on-one conversations about challenging topics. Participants will explore common types of problems and practice skills for resolving ability, motivation and interpersonal problem situations. And 3. “It’s Complicated: Communicating about Complexity” helps participants build skills for working on problems that are both technically complex and complicated by differences in collaborators’ expertise, backgrounds, and communication styles. Participants will learn and practice skills for communicating more effectively in both the speaker and listener roles. If participants want to achieve a certificate for

going through the entire nine modules of the CyberAmbassadors curriculum, they can attend other no-cost training sessions after this one. Dates and registration information for these will be publicized in this workshop.

12:00 pm - 2:45 pm ET: Workshop 2: *Facilitating use of Generalist Repositories to Share and Discover Data: A Workshop by the NIH Generalist Repository Ecosystem Initiative repositories*

Instructors:
Ana Van Gulick, Julie Goldman, Eric Olson, Sarah Lippincott, Andrew McKenna-Foster, Nici Pfieffier, and David Scherer

The NIH Generalist Repository Ecosystem Initiative (GREI), led by the NIH Office of Data Science Strategy, launched in 2022 with the goal of bringing together 7 generalist repositories to collaborate on enhancing support for NIH data sharing use cases including implementing common metrics and metadata, "coopetition", and collaborative training and outreach. This workshop will present the GREI mission and goals and introduce the 7 generalist repositories participating in GREI and their common and unique features (Dataverse, Dryad, figshare, Mendeley Data, OSF, Vivli, Zenodo), offer hands-on training and guidance on supporting researchers in using generalist repositories for data sharing including listing generalist repositories as part of data management and sharing plans, use cases supported by specific generalist repositories, and recommended practices for data sharing in generalist repositories. The session will also provide guidance on searching for data across generalist repositories and tracking open data impact and compliance with funder policies. Importantly, this session will also be an opportunity for GREI to gather feedback from the data librarian community on the needs and use cases for generalist repositories to inform future GREI work.

3:15pm - 6 pm ET: Workshop 3: *What if It [Didn't] Happen: Data Management and Avoiding Research Misconduct*

Instructors:
Heather Coates, Abigail Goben, and Kristin Briney

Maximum capacity: 30 - **FULL**

Exposés of research misconduct, power abuse, and large retractions have captured scientific and popular attention. But what about the times the crisis was averted, the data wasn't misused or lost, and the reputations weren't harmed? Can data management education serve as a mechanism to prevent harmful practices, and assist in ensuring that data are available for validation, replication, and attribution to promote the self-correcting nature of research. Designed for data librarians who provide instruction to students, post-docs, and early career faculty, this train-the-trainer workshop will explore the crucial role of data management practices in fostering a culture of research integrity. Through in-depth discussion of contemporary investigations into allegations of research misconduct, we will accomplish two goals. First, we will make explicit connections between data management practices and the production of verifiable and reproducible research products. There will be a particular focus on data management planning, record-keeping, defining roles and responsibilities, and negotiating credit and attribution. Second, we will discuss strategies for addressing sociocultural challenges, such as power dynamics and fostering a team culture that may differ from that within the department, school, or institution. We will also consider how the practice of sharing data with collaborators, trainees, and colleagues ("gift culture") perpetuates "haves" and "have nots". Participants will leave the workshop with ideas for how to discuss with researchers the connection between data management and research integrity.

3:15pm - 6 pm pm ET: Workshop 4: *Introduction to Python Data Analysis*

Instructor:
Malik Miguel Redwood

Maximum capacity: 20 - **FULL**

In learning the basics of python programming language along with the steps for data science methodology, participants will be able to apply their new skills to gather data, clean, and analysis data is for real world application.

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Displaying agenda in event timezone (7:27 PM EDT)

Tuesday, March 28th

Session 2-A: Technology for and by Data Practitioners

Lightning Talks Presentations

1:20 PM – 2:20 PM

Description

Pearls and pitfalls: a story of a programmatic data pull
REC

Alicia Hofelich Mohr, University of Minnesota
Wendy Kozlowski, Cornell University
Shawna Taylor, Association of Research Libraries

As requirements for swift and sustainable data sharing are growing, questions of where and how researchers are sharing data are becoming increasingly important for institutions to answer. One of the goals of the Reality of Academic Data Sharing (RADS) Initiative, comprised of six academic institutions from the Data Curation Network (DCN), was to answer this question. This presentation will discuss the process of how RADS determined where data from our researchers are shared. To do this, we programmatically pulled DOIs from DataCite, making the naive assumption that the information we were collecting, the metadata fields we were utilizing, and the platforms we were using would present us with a neutral and unbiased view of where data from our affiliated researchers were shared. However, as we dug into the data, we found inconsistencies in the use and completeness of the necessary metadata fields for our questions, as well as differences in how DOIs were assigned across repositories. While we expected some differences, we did not anticipate these subtle differences would dramatically affect how we interpret the answer to the question of where data are shared. Our presentation will highlight examples in our work that show how these subtleties in the data are systematic and challenge our assumptions of neutrality of not just the data, but of our platforms and practices as well. By examining these biases, we are forced to reexamine the decisions behind how we practice and, as we move forward as information and repository managers, how to reduce bias or assumption of neutrality. As a community, we often rely on data-driven decisions and decision makers need to be aware of these biases, especially as we are likely to see increased investments due to the evolving data policies and practices.

Walk the talk: Turning research data theory into practice through co-authoring health and environmental data research

REC

Kaitlin Throgmorton, Yale University

Data librarians frequently consult and instruct on research data best practices, but do not always have the opportunity to participate in data research projects themselves. This can create gaps in understanding how researchers manage, access, and process data, how they document and share data pipelines, and how we can help them create open and reproducible data research workflows up to best practice standards. This presentation describes a health sciences data librarian's experience of joining a data research project, based within Yale University's School of Medicine, as a co-author and lead data wrangler, and will detail successes and challenges in accessing, processing, and analyzing publicly available data, primarily from the Centers for Medicare and Medicaid. We will demonstrate how our experience may benefit other data practitioners and help them to shape and improve access to public data for their users — and for fellow data librarians, inform future research, consultations, and instruction in this area. Finally, this talk will also share how we're disseminating our research outputs so far, including through several journal articles and data paper preparations.

Responsible AI in libraries and archives: Considering our values and reducing harms for our communities

REC

Doralyn Rossman, Montana State University
Additional authors: Sara Mannheimer (Montana State University), Scott W. H. Young (Montana State University), Jason Clark (Montana State University), Bonnie Sheehey (Montana State University, Hannah Scates Kettler (Iowa State University), Yasmeen Shorish (James Madison University)

Over the past few years, libraries and archives have embraced artificial intelligence (AI) as a powerful tool for enhancing metadata, improving search and discovery, recommending resources, powering library chatbots, and more. This presentation discusses the early activities of the IMLS-funded Responsible AI project, which considers the tension between innovating library services and protecting library communities. We will present results and key takeaways from a review of scholarly and gray literature, and we will discuss a call for case studies that illustrate ethical considerations and challenges during AI project or tool implementation.

Digital Curation and VR: a Discussion on Virtual Bethel

REC

Raneem Hijazi, Indiana University-Purdue University of Indianapolis

ABOUT RDAP ASSOCIATION

The RDAP community brings together a variety of individuals, including data managers and curators, librarians, archivists, researchers, educators, students, technologists, and data scientists from academic institutions, data centers, funding agencies, and industry who represent a wide range of STEM disciplines, social sciences, and humanities.

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