

# Combining Conceptual and Practical Intensive Learning

An Innovative Approach to Professional Development with the  
Data Services Continuing Professional Education (DSCPE)

MLA | SLA 2023 Conference

Presenter: Ashley Thomas

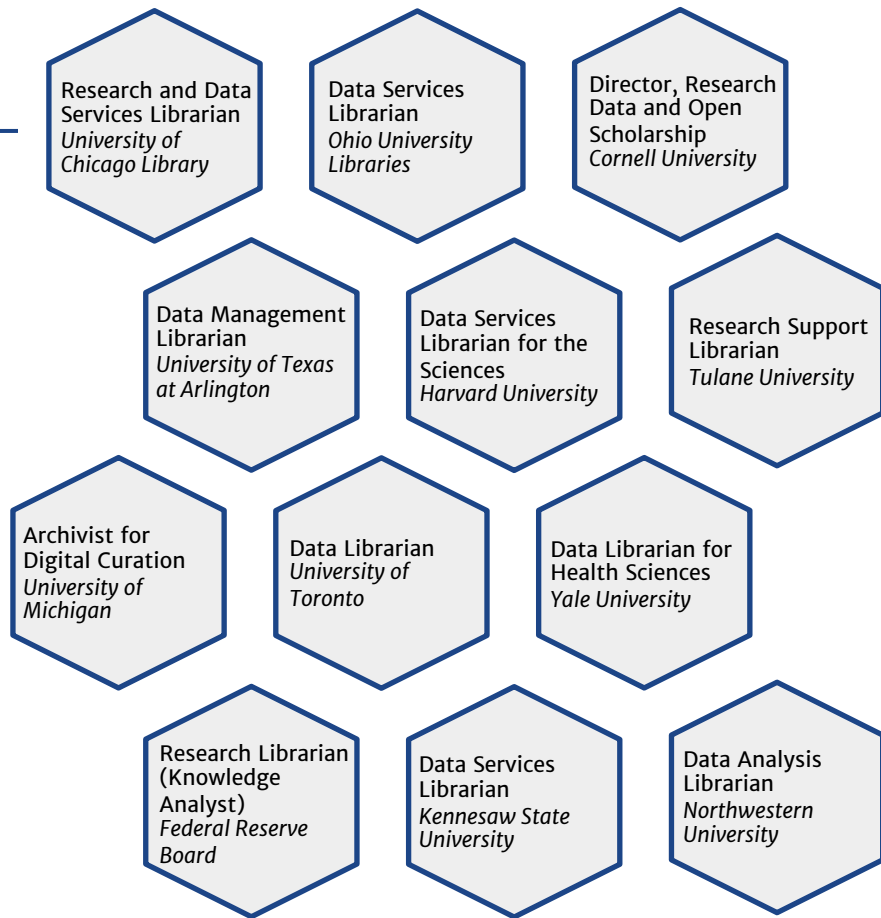
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# Demand From the Field

Increased focus by research-intensive institutions on data reproducibility, reuse, and integrity.

- Librarians play an increasingly important role in this workflow
- Increase in establishing RDM/RDS librarian positions



# Development of the DSCPE

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- Geared toward preparing and retooling early-to-mid-career librarians to move into these new RDM positions and provide RDS to their communities
- Combine conceptual and experience-based learning
  - Prioritize working librarians' needs and their work schedules
  - Competency Based Education/Training (CBE/CBT) promotes equity and empowers learners by enabling them to advance based on what they know and can do with high flexibility and individualized pathways to learning

# Program Components

- Orientation and Introduction
- Collaboration and Leadership
  - Introduces critical concepts and models to help students build foundational knowledge in leading and building partnerships to provide successful data services
- Self-paced learning units
  - Composed of eight RDMLA units
  - Introduction to essential RDM concepts and tools
- Capstone field experience
  - Paired with a data services librarian



**DSCPE**  
Data Services Continuing Professional Education

## Welcome to the Data Services Continuing Professional Education!

The Data Services Continuing Professional Education (DSCPE) fills a much-needed gap in professional development of practicing librarians. The objective of the curriculum is to train and develop a community of data service librarians.

This pilot cohort is funded through a gift from Elsevier.

In this Canvas course space, you will find all the information you need as you work through the educational content. If you have any questions as you navigate through, please contact the DSCPE Team.

**Dates:** October 1 through November 30, 2022

**Meeting Location:** Online/Remote

**DSCPE Leaders:** Elaine Martin, D.A. and Rong Tang, Ph.D.

**DSCPE Contact:** [dscpe.info@gmail.com](mailto:dscpe.info@gmail.com)



Orientation

Collaboration and Leadership

Learning Units

Capstone

The Data Services Continuing Professional Education (DSCPE) is a partnership between the Research Data Management Librarian Academy (RDMLA), Countway Library of Medicine at Harvard Medical School, and Simmons University School of Library and Information Science.



**DSCPE**  
Data Services Continuing Professional Education

# Capstone Partners and Projects

## Capstone Partners

A special thank you to all of our Fall 2022 Capstone hosts!



- The capstone is the culminating practical experience for cohort members
- Student is paired with a data services librarian/team at a partner institution that has established data services
- Fully remote
- Examples of capstone projects:
  - Preparing education and outreach material related to the new NIH DMSP
  - Creating communication strategies for institutions' DMS policies

# Program Learning Objectives

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- To train and develop a community of data services librarians
- Have students gain familiarity with the foundations and best practices of providing data services within a library
  - Use a Competency Based Education/Training (CBE/CBT) approach to content delivery
- Gain practical skills of delivering those services in order to enhance their existing work and future career goals

# Student and Mentor Statistics

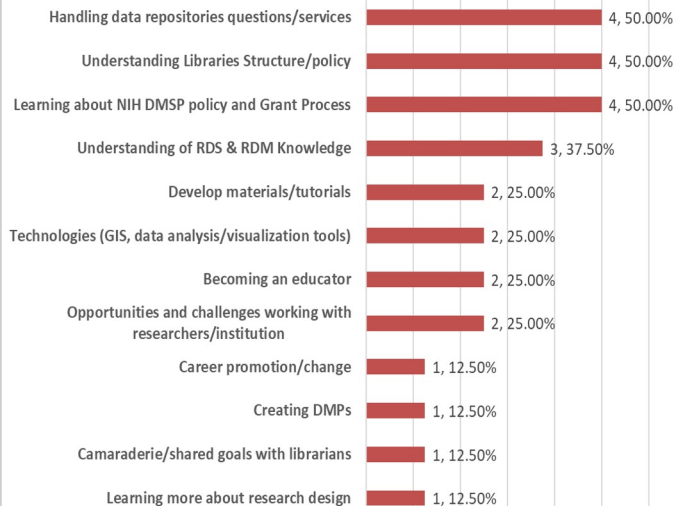
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- Student **overall** satisfaction with the capstone experience
  - Average score: **5** out of 7 (range: 1 to 7)
    - Dissatisfied zone: 4; Neutral zone: 1; **satisfied zone: 10**
- Student **overall** satisfaction with the DSCPE program
  - Average score: **5.8** out of 7 (range: 1 to 7)
    - Dissatisfied zone: 0; Neutral zone: 2; **satisfied zone: 13**
- Post-program survey **14** out of 15 mentor/capstone hosts **requested to be a capstone host in 2023**
- Hosts were asked: “The capstone student made valuable contributions to my institution and community during the project,”
  - **8: strongly agree**; 2: agree; 3: somewhat agreed; 1: neither agree nor disagree

# Preliminary Findings from Feedback

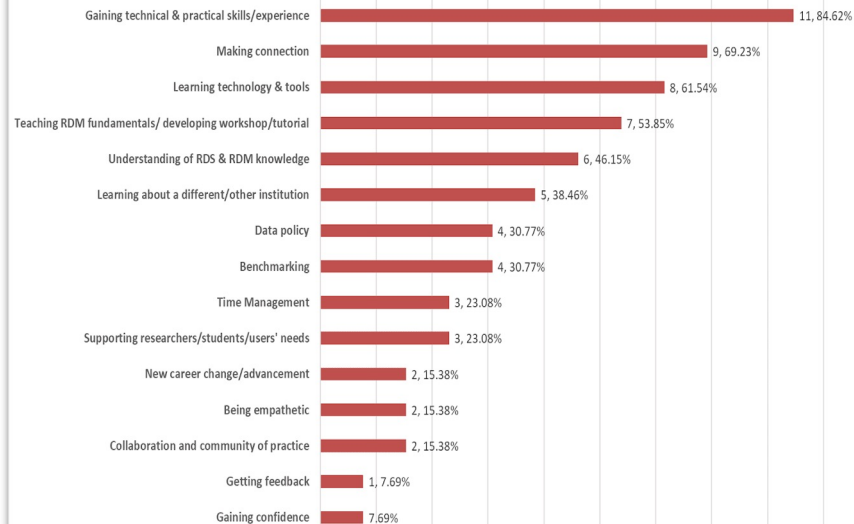
Knowledge and Skills Gained from the DSCPE Program (n=8)

0.00% 10.00% 20.00% 30.00% 40.00% 50.00% 60.00% 70.00% 80.00% 90.00% 100.00%



Lessons Learned from DSCPE Students' Capstone Presentation (n=13)

0.00% 10.00% 20.00% 30.00% 40.00% 50.00% 60.00% 70.00% 80.00% 90.00% 100.00%





# What Worked, What Didn't

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- Strong engagement during guest panels and RDMLA instructor sessions
- Advancement of new skills and knowledge
- Learning from other institutions and making the connections in the RDS community
- Retooling working librarians for RDM/RDS positions

- Timing
- Not enough live group interactions between students
- Capstone length of 70-hours



# Changes for Fall 2023 Cohort

01	Extending the length of the program from eight weeks to ten weeks to allow for better balance of time	<ul style="list-style-type: none"><li>• Extended time for completing the self-paced RDMLA learning units</li><li>• Extended time for work on the capstone project</li></ul>
02	Longer time for Director's Panel during the Leadership and Collaboration session	<ul style="list-style-type: none"><li>• Students appreciated the panel and wished to hear more personal stories/professional journeys</li></ul>
03	Reducing the capstone experience from 70 hours to 50 hours	<ul style="list-style-type: none"><li>• Request from both students and capstone hosts</li></ul>
04	More student involvement in capstone host pairing	<ul style="list-style-type: none"><li>• Request from the students</li></ul>

# Wrap-Up

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- If you or someone you know...
  - Is interested in applying to the DSCPE Fall 2023 cohort
  - Is interested in being a capstone site for a cohort member
- Continued thanks to Elsevier for continuing to financially support the program
- Don't just take my word for it!
  - Check out 2022 cohort member, Sara Hoover's MLA poster on Friday, May 19 at 12:00 - "The Data Services Continuing Professional Education (DSCPE) Program: Creating Communities of Practice for Data Services Librarians"

# Questions?

## Thank you!

Contact Info:

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