



Research Data Management Librarian Academy:

An Opportunity to Develop Skills and
Knowledge from Peers

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Is there a need for such an Academy?

- A question explored via a needs assessment and a training inventory

Why Librarians? ...Why Not?

Librarians:

- Have transferable organizing skills and interests
- Partner with researchers
- Often monitor compliance and impact
- Changing traditional roles
- Are trainers of RDM FAIR principles



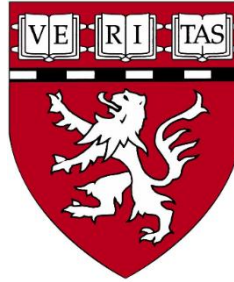
RDM Librarian Academy Partnerships



Dr. Elaine Martin



Jean P. Shipman



ELSEVIER

RDM Librarian Academy Description

- Available online
- English-language
- No charge (without credit)
- Simmons University offering CE credit for a fee; certification
- 8 units; 30 mins. each
- Curriculum developed by librarian peers with expertise in RDM
- Easy way to refine and hone RDM skills and knowledge

Phase 1: Needs Assessment and Training Inventory

Completed over the summer and early fall of 2018

Featured:

- a needs assessment survey via Library Connect
- a competency scan and an inventory of training and formal RDM curricula
- a LIS educator short survey

Research Data Management Librarian Academy Survey

Results compiled 2018-09-08 by
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<https://rdmla.github.io/home/>

Survey Conducted

Timeline

2018-04-23 - 2018-09-04

Instrument

19 questions developed by Elsevier and Harvard Medical School

Distribution

Relevant groups via:

- Email

- Library Connect blog post

- Listservs

- Word of mouth

- Conferences & events

Responses

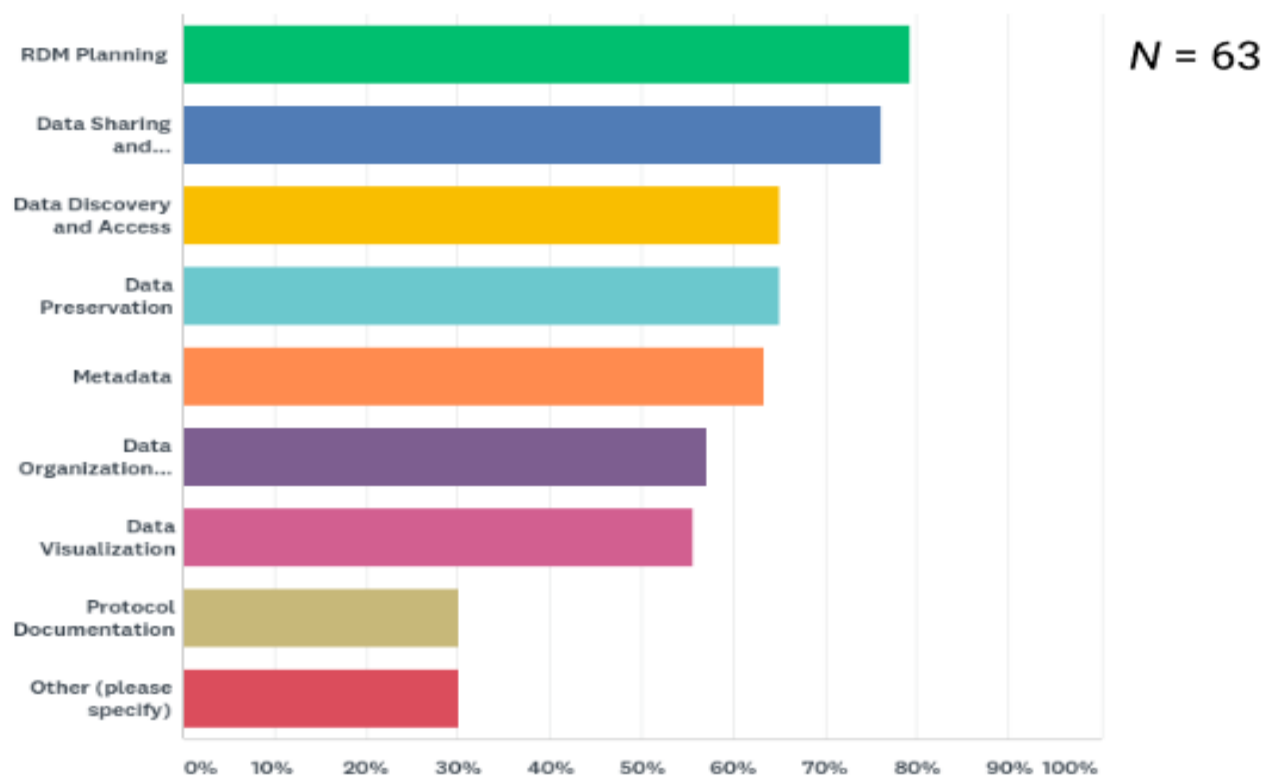
241 responses collected by 2018-09-04

Majority of responses during May 2018

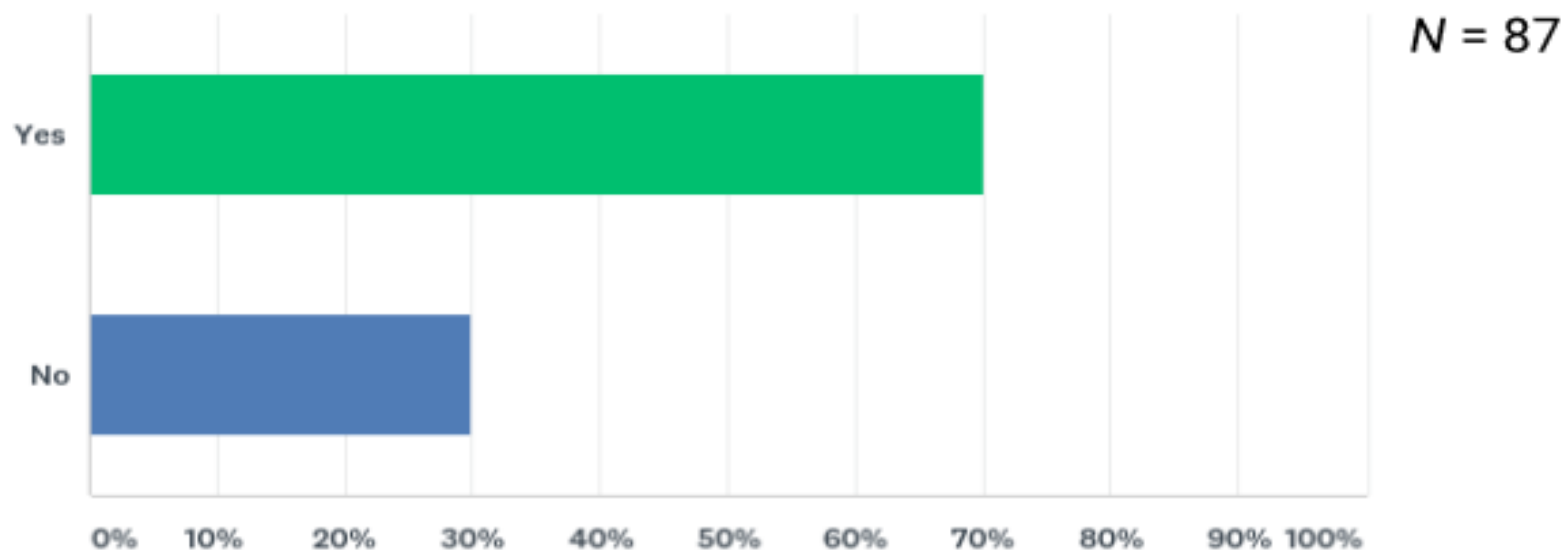
Qualitative, open-answer responses hand-coded; 628 open-answer responses



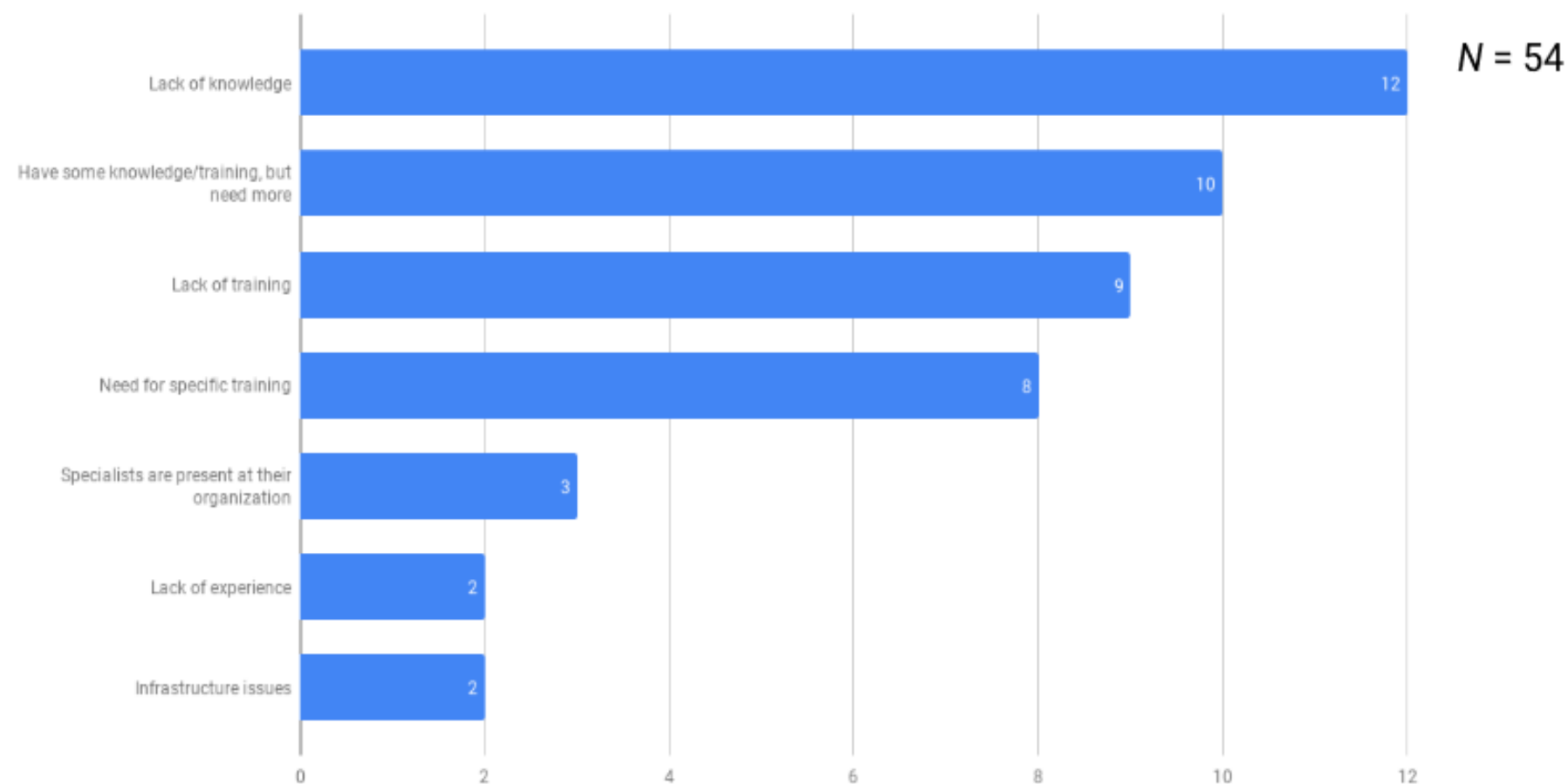
Q16 What RDM services does your institution offer? (Select all that apply)



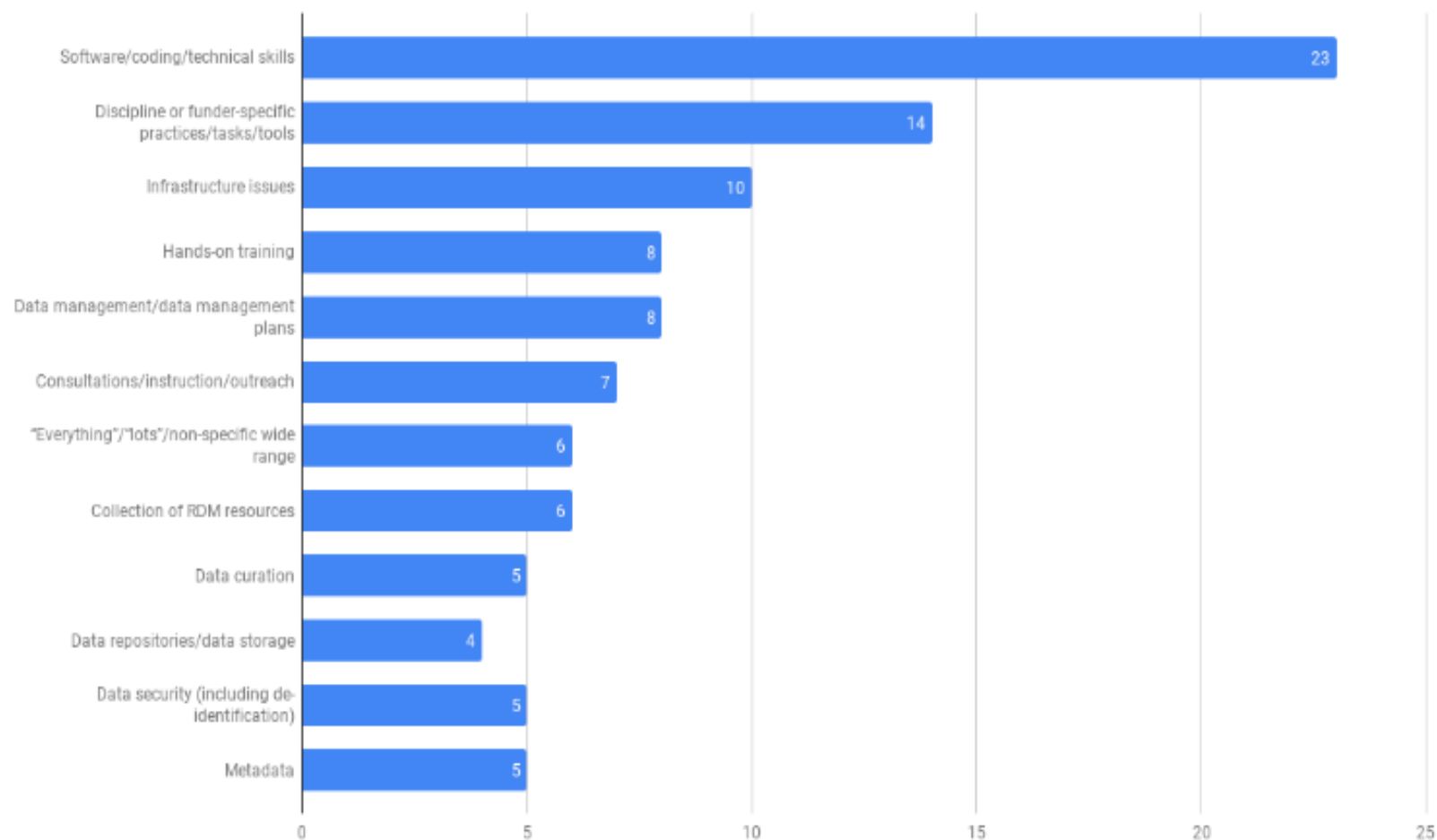
Q6 Do you personally feel prepared to offer RDM services?



Q6 respondents who did not feel prepared to offer RDM services indicated why:



Q7. What further RDM training do you need?



N = 66

- Six respondents (5 NOAM, 1 Europe)
- All offered RDM courses
 - Data analytics
 - Data capture
 - Data visualization
 - Data & text mining
 - Data science & management
- Courses offered online, in-person, or hybrid
- Overlapping results between Educator Survey and ALA/LIS schools' RDM curricula review

Survey & Course Review Results

LIS Educator Analysis

Competencies Scan; Inventory of Data Science Training & Curricula

- Competencies Scan
 - Analyzed 44 Position Descriptions
 - Examined 16 Websites of 14 data-related groups
- Training Opportunities
 - Analyzed 164 training programs (MOOCs, Webinars, & Workshops)
- Formal Data Science Curricula
 - Courses/Programs **outside LIS**: 22 courses/programs from 13 universities
 - **ALA accredited programs**: 25 courses from 14 schools
 - **iSchools**: 165 courses from 45 iSchools



Job Description Competencies

<https://rdmla.github.io/home/>

Phase II: Content Development and Delivery

Develop the RDMLA curriculum via teams of librarian experts

Establish contractual relationships with partner institutions

With Simmons University, establish mechanism for:

- online delivery
- offering CE credits and a certification of completion

RDMLA will be launched in Summer 2019



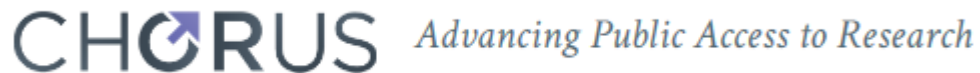
RDM Librarian Academy Units



Eight Online Units

1. Foundations of Research Data Management (RDM)
2. Navigating research data culture
3. Advocating and marketing the value of RDM in libraries
4. Establishing and managing data services in libraries
5. Project management (as relates to RDM services)
6. Overview of common tools (programming and tools, R)
7. Python, Jupyter Notebook
8. Overview of platform tools (OSF, Mendeley Data et. al.)

Why Elsevier Partnership?



- Want librarians and researchers to be successful
- Charter partner with FAIR initiatives, e.g., Force 11, Scholix, Chorus, etc.
- Wants research to be reusable and reliable
- Supports research information systems; Mendeley Data tool suite
- Scopus Certification

Four principles of...



...the information system
supporting research

How Do I Find Out More About the RDMLA?

- Library Connect article
<https://bit.ly/2r1YHFi>
 - RDMLA GitHub website
<https://rdmla.github.io/home/>
 - Contact the RDMLA partners
 - Conference presentations and posters
 - Email me j.shipman@elsevier.com
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Thank You!

Questions?