Finding the Magic

Libraries and Data Management

#SCMLA18
#SCMLA2018

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Outline

Part I
Crash Course on Data Management
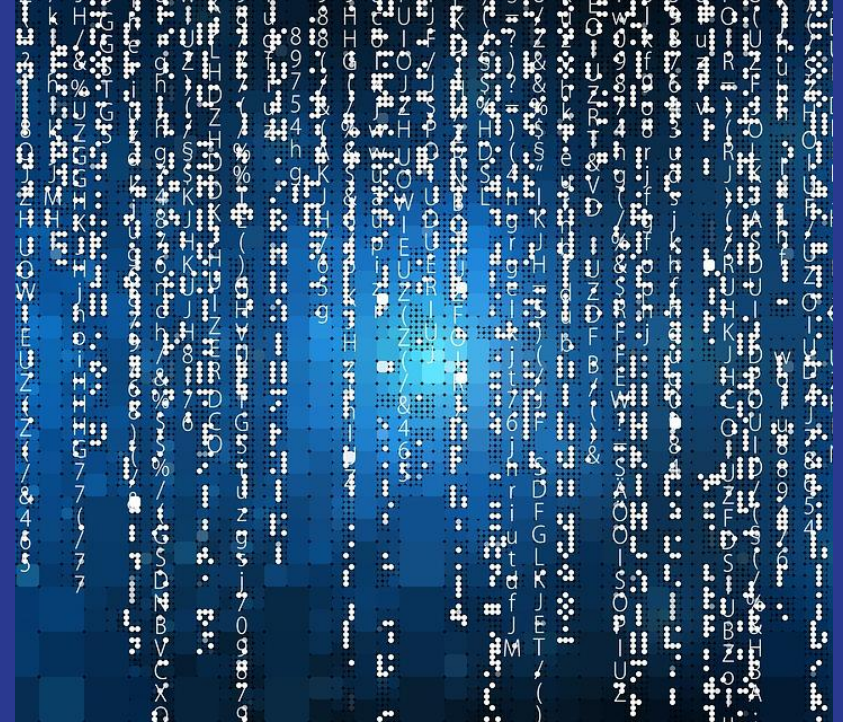
Part II
Inspiring Ideas for Libraries

Part III
A Word on Big Data & Data Science

data management = DM

Part I

WHAT IS DATA?

Or what isn't?

Types of Data

Geographical
Cultural
Scientific
Financial
Statistical
Metrological
Natural
Transport

FAIR Data Principles

What is DM?

(Research) Data Life Cycle

Plan

Collect

Assure

Describe

Preserve

Discover

Integrate

Analyze

https://www.dataone.org/data-life-cycle

Who does DM?

Do you?

Where does DM happen?

Think about the context

When does DM happen?

Why do DM?

https://youtu.be/66oNv_DJuPc

Where can I learn DM?

NNLM RD3
https://nnlm.gov/data

Image: https://pixabay.com/en/data-configure-organize-27652/
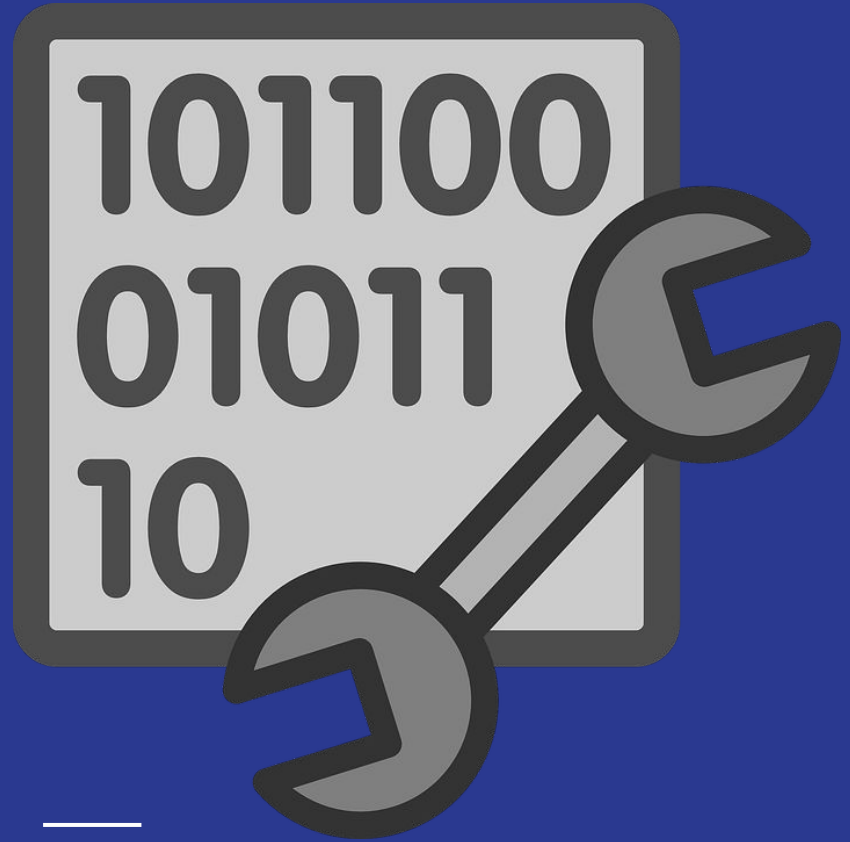
Part II

How do you get started at your library?

Laying the groundwork for success

Self-reflection

- What is your library's capacity?
- How can existing knowledge and skillsets within the staff be leveraged?
- What training do you need?

SWOT Analysis

	Helpful to achieving the objective	Harmful to achieving the objective
Internal origin (attributes of the organization)	Strengths	Weaknesses
External origin (attributes of the environment)	Opportunities	Threats

Needs Assessment

"Data Management Needs Assessment Phase I: Web-based Survey ...
ir.uiowa.edu › University Libraries › Libraries Staff Publications › 136 ▼
Objectives Several funding agencies including the National Institutes of Health (NIH) require or encourage developing **data management** plans for research. This study assesses the **data management needs** across campus. ... Methods A mixed-mode survey methodology involving web-based ...

[PDF]
Spring 2017 Research Data Management Needs Assessment Survey ...
https://nnlm.gov/sites/default/files/pnr/.../PNR-RDM-needsassessment2017-508.pdf ▼
Spring 2017 RDM **Needs Assessment** Survey Results ... assessments themselves, or helping others to create assessments or generally **manage** their **data**.

Assess Data Needs - Research Data Toolkit - LibGuides at University ...
https://guides.lib.unc.edu/c.php?g=8535&p=43803
Questions to **Assess** Your **Data Management Needs**. The following are a variety of questions to consider that will impact your **data management** plan.

Assessing the Data Management Needs of Academic Researchers
scholarworks.gsu.edu/cgi/viewcontent.cgi?article=1015&context=southeasternlac ▼
by J Doty - 2013
Primary reason for our data **needs assessment**. 3. Survey design and ... libraries added two new positions (**Data Management** Specialist, E-Science Librarian) in.

[PDF] DATA MANAGEMENT PLANNING: SELF-ASSESSMENT
https://scholcomm.columbia.edu/wp-content/uploads/.../DMPSelfAssessment_v01.pdf ▼
"**Data Management** Plan Self-**Assessment** Questionnaire." .... What related information **needs** to be preserved with the data (e.g., software, reports, research ...

A Survey to Understand Data Management Needs Across Diverse ...
https://onlinelibrary.wiley.com/doi/pdf/10.1002/bul2.2015.1720420114
by AH Mohr - 2015 - Cited by 3 - Related articles
research **data management** needs in light of new requirements and ... can broaden the reach of this kind of **needs assessment**. Survey Design Strategy.

Institutional Resource Scan

- Technology
  - Storage options and repositories
  - Software
- Offices & People
  - Office of sponsored projects
  - Research computing
  - Legal counsel
  - Other librarians
- Policies
  - Data management and ownership
  - Intellectual property
- Grants/Funding

What are your goals and objectives?

Quick note on Networking

And advocacy

What are Libraries doing for DM?

Some ideas to get started

Online Guides

Data Management Plans

Data Catalog

https://datacatalog.med.nyu.edu/
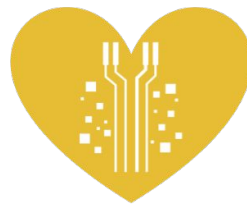
Workshops

Events

Open Access Week 2018

Designing Equitable Foundations
for Open Knowledge

October 22 - 28

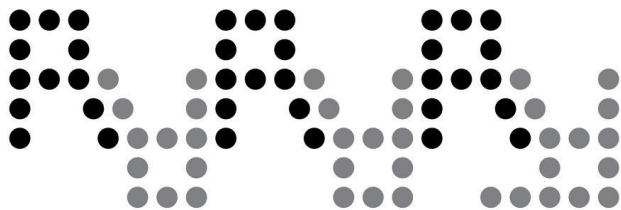

SAVE THE DATE

LOVE DATA WEEK 2018

February 12 - 16
lovedataweek.org

RESEARCH REPRODUCIBILITY

#MakeResearchTrue

#UTAHRR 18

Data Repository

https://hive.utah.edu/

RedCap Support

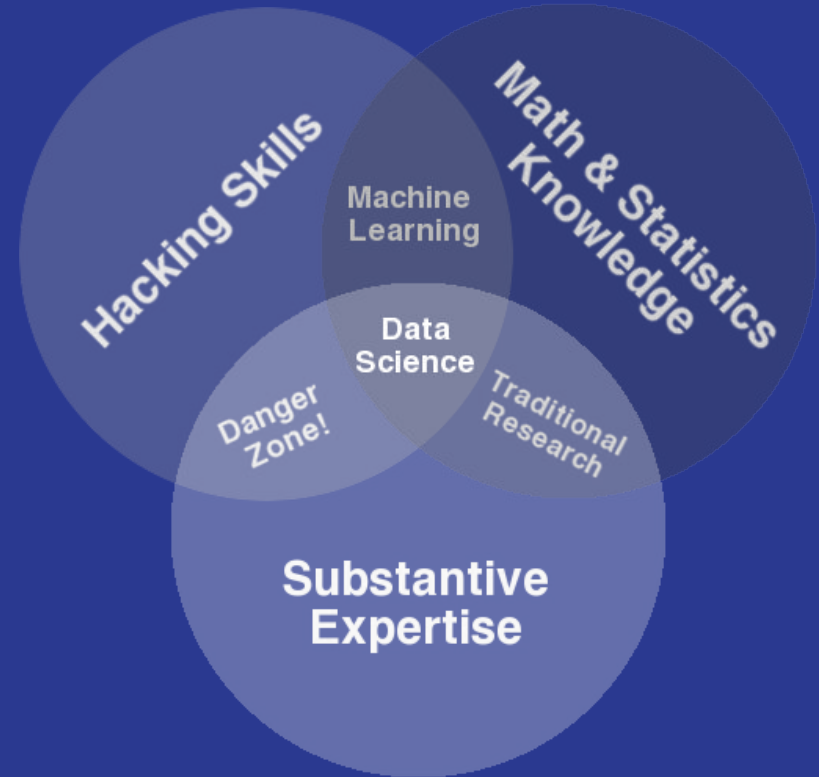A new hat for librarians: providing REDCap support to establish the library as a central data hub
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5764577/

Electronic Lab Notebook Support

PART III

What is big data?

And can you manage it the same way as "little data"?

Big Data

Vocabulary
Visibility
Visualization
Volatility
Valor
Value
Vogue
Variety
Velocity
Viscosity
Vexed
Varmint
Versed
Vulpine
Vanilla
Voodoo
Veil
Vet Virtuosity
Viability
Vibrant
Vault
Version Control
Varifocal
Viral
Vane
Vaticination
Vastness
Voyage
Venue
Voice
Vagueness
Verdict
Vantage
Veer
Volume
Varnish
Victual
Veracity
Vivify
Validity
Variability

What is data science?

It's not data management.

Questions?

Thanks for Listening!

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