Strategic Plan 2019-2020
Research Data Services

#1 Enhance Support Across the Research Workflow
The University Libraries will enhance existing research data services offered across the entire research workflow.

Data Management
- Offer timely “rent a data manager” services
- Incorporate data management skills into the curriculum
- Support for archival and analog data management (beyond digital)

Reproducible Research
- Market tools for greater research transparency (e.g., OSF, DRUM)
- Pilot code run/review service
- Provide example workflows to ease adoption

Study Design / Research Planning
- Enhance IRB/participant agreement guidance for data sharing
- Align our DMP training with outreach by grant coordinators

Data Management Plans (DMPs)
- Develop active or machine-actionable DMP templates
- Systematically follow-up with U of M researchers to help them implement their DMP
- Outreach to masters and PhD students

#2 Provide Support for New & Emerging Needs
The University Libraries will recognize and respond to new and emerging data-related needs that our campus researchers face.

Data Visualization
- Provide access to a range of licensed data visualization tools
- Develop expertise in how to select and use data visualization tools; partner with others on campus that host visualization tools as appropriate

Data Use Agreements (DUA’s)
- Consultation for DUAs for requesting existing data from an external source
- Writing DUAs for data the researcher/University produces to be shared to others

This strategic plan for research data services builds on an existing suit of services offered by the University of Minnesota Libraries available at http://lib.umn.edu/datamanagement. Download the detailed strategic plan and report at http://hdl.handle.net/11299/203926.
#3 Build on Successful Education/Training
The University Libraries will scale successful training programs in research data management to reach a broader audience.

**Workshops**
- Refine the successful “Data Management Bootcamp” to more targeted audiences

**Course Integration**
- Expand successful data management education in methods courses

#4 Facilitate Data Access
The University Libraries are exceptional providers of content in all formats, including data, and will enhance users’ access to our growing collection of research data.

**Collection Development**
- Establish an internal data purchasing/hosting procedures
- Communicate how purchasing decisions are made

**Discovery and Access**
- Create a “Data Registry” discovery layer showcase datasets that are of strategic importance to U of Minnesota and the state.

#5 Provide Services for Long-term Data Stewardship
The University Libraries will ensure accessibility and preservation of research data through curation, metadata, repositories, and other access and retrieval mechanisms to meet federal, state, sponsor, and University requirements.

**Project Close Out**
- Guidance and consultation around preparing data for sharing and archiving
- Coordinate with storage units who archive data around retention best practices
- Outreach to graduating students about managing data before they leave

**Data Preservation**
- Raise awareness for preservation of valuable data (i.e., unique, institutional assets)
- Work with campus stakeholders on data preservation to better support the research process

**Data Repository and Curation**
- Support “data curation in place” for data archived in non-library repositories
- Build workflows to better support data deposited to DRUM for peer review alongside journal article manuscript
- Create a staging platform for manipulating DRUM files before ingest

http://lib.umn.edu/datamanagement
#6 Align Research Data Services
The University Libraries will unify research data staff and services around the user for an optimized user experience.

Marketing
- Create a landing page of all data services linked from libraries website
- Develop a marketing and communications plan

Organizational Structures
- Reassess the current organizational structures for providing data services in ways that better align services around the end-user
- Leverage/coordinate ticketing systems and increase communication across units
- Establish stronger roles and rewards for library staff that better reflect our matrix organization

Referral and Collaboration with Campus Units
- Test/pilot new models of cross-collaboration
- Develop a strong, pro-active referral network of existing data services on campus, e.g., the University Storage Council (USC) and the Research Data Management informal community of practice (RDM iCoP)

Staff Training
- Create a comprehensive training program for interested library staff

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