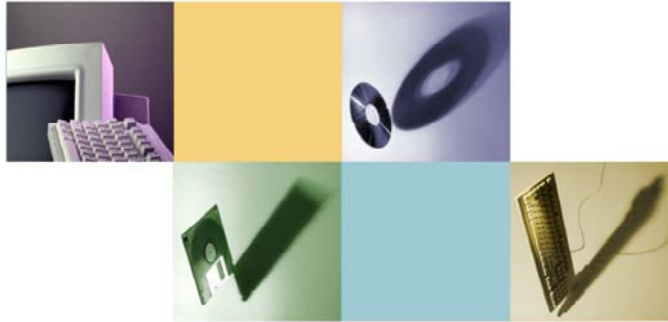


Research Support at University of North Carolina at Greensboro:

Research Support Without a Research and Data Support Coordinator



Karen S. Grigg, Science Liaison Librarian
Lea Leininger, Health Sciences Reference Librarian
University of North Carolina at Greensboro Libraries

Why Reassess Data Services?

- Substantial population – Over 17,000 students and 2,500 faculty and staff
- Substantial activity - Carnegie “high research” classification, \$35 million in grants awarded annually
- Increase in data management plan requirements from funding agencies
- 2013 Faculty Research Survey showed unmet faculty needs:
 - Data storage
 - Meeting requirements for data sharing
 - Assistance with DMPs
 - Cost estimates for data storage and retrieval
 - Applying metadata to research data
- Loss of dedicated Data Support Librarian position



What Have We Been Doing?

Data Services/Government Info Librarian has been the main point person, with Metadata Cataloger

- Data Management LibGuide
- Consulting with Faculty about Data Services
- Raising awareness of IR (NC DOCKS)
- Interacting with external entities, eg Odum Institute
- Advising on metadata for data sets



Consulting with Faculty but more passive- done when requested. Raising awareness by attending and presenting at departmental faculty meetings. Odum Institute has partnership with NC Docks- allows storage of data

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- Departments

Theses & Dissertations

- Titles
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- Degrees By Discipline

Submissions

Submissions (Articles, Chapters, and other finished products)

NC Digital Online Collection of Knowledge and Scholarship

Search Repository

ALL

Most recent additions

- The American Osteopathic Doctor: Benefits and Challenges* by Kellam, Linda M. (2009)
- Sex offenders and criminal recidivism: an exploratory trajectory analysis using a Virginia sample* by Marsum, Cathy (2012)
- Neural Correlates of Promotion and Prevention Goal Activation: An fMRI Study using an Idiographic Approach* by Edgington, Kai (2007)
- Intraclass Correlation Associated with Therapist Estimates and Applications in Flamingo Psychotherapy Research* by Edgington, Kai (2011)
- Neural correlates of idiographic goal priming in depression: goal-specific dysfunctions in the orbitofrontal cortex* by Edgington, Kai (2009)
- Self-System Therapy as an Intervention for Self-Regulatory Dysfunctions in Depression: A Randomized Comparison with Cognitive Therapy* by Edgington, Kai (2006)
- Streaming Film: How to Serve Our Users* by Fischer, Christine M. and Cress, Cheryl (2014)
- Consequences of Commodifying Education* by Schwartzman, Ray (2013)
- Copyright for Academics in the Digital Age* by McCaughey, Martha and Ramsey, Colin (2012)
- The development and deployment of low-carbon energy technologies: The role of economic interests and cultural*

Featured Item

History of Osteopathy
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 ECU
 Lupton Library History Collections & the Department of Bioethics & Interdisciplinary Studies sponsor the History of Medicine Presentations as an educational service for the East Carolina University co- [View More](#)



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Data Archive Consulting Services Education Community

The Odum Institute

Advancing Social Science Teaching and Research



The Latest News

- Graduate Student Job Opening: Statistical Consultant (Part-Time) Spring 2015
- Interdisciplinary Research Seminars: Carolina Population Center
- The Odum Institute Celebrates 90 Years
- NC State Qualitative Working Group Fall Schedule
- Davis Library's New Research Hub on 2nd Floor

Data Archive	Consulting	Services	Education	Community
<ul style="list-style-type: none"> About the Archive Odum Database Archiving Data Data Management Resources Projects 	<ul style="list-style-type: none"> Consulting Staff Survey Methodology Statistical Consulting Qualitative Analysis GIS Consulting 	<ul style="list-style-type: none"> Computing Qualtrics Survey Data Collection Grant Services 	<ul style="list-style-type: none"> Calendar Upcoming Short Courses Certificate Program in Survey Methodology ICPSR-Chapel Hill Video Courses 	<ul style="list-style-type: none"> Staff About the Institute History of the Institute Summary of Services Hours: 9 am to 6 pm

Meetings with Departments

- Liaisons met with individual departments to determine:
 - Data management needs
 - Storage and archival practices
 - Data Management Plan procedures
- Many need help with:
 - DMPs and DMP tools
 - Data storage suggestions/space
 - Identifying available internal and external services
 - Best practices in storage/naming conventions



Questions on Data Support for Science Departments

- What kinds of secondary data do you need/use, and have you had any issues finding or using it?
- What kinds of format/data types are you using? (ie, images, spreadsheets, databases, genetic data, etc)
- About what size are these data sets you produce? Gigabytes? Terrabytes?
- Where do you store data during the project? How often are backups made?
- What methods do you use to organize the data?
- Where do you store data after the research is completed?
- How long do you plan to keep your data?
- Do your funding agencies require data management plans?
- Are you involved with the generation of data management plans? If so, do you use any kind of data management plan tools?
- Who else assists faculty and researchers in your department?
- Do you share your data inside/outside the institution? If so, how do you do it? If not, why not?
- What services can the library provide?



Initiatives

- Identifying and building relationships with campus entities already offering data management services (campus IT, departments, research and grants people)
- Enhancing Data Management LibGuide
- Building data services skills in liaisons
- Identifying and recommending storage solutions and best practices
- Exploring Tiered Triage model



Train/educate fellow liaisons about the support services likely to be available and the needs of their researchers so that they can be point people for their assigned liaison units. Lynda and Anna planned next tier of support. In planning process.

Data Services: Research Data Management: Home

Guide to assist with the research data management process

[Home](#) [Creating a data management plan](#) [Data storage](#) [Sharing & archiving your data](#) [Finding Data](#)

UNCG Contacts

- **Lynda Kellam**
Contact Lynda for questions about this guide, general guidance on DMP writing, or questions about archiving your data.
- **Office of Sponsored Programs**
Contact for assistance with the submission of proposals to the major grant funding agencies. The office will provide assistance writing a DMP based on your funding agency's requirements.
- **Information Technology Services**
Contact for assistance with data storage through UNCG's network or the cloud storage solution, Box.
- **School of Health and Human Sciences**
For HHS faculty only. Contact for assistance in pre-award proposal development, including DMPs.
- **School of Nursing**
For Nursing faculty only. Provides assistance in pre-award grant applications.
- **Library Liaisons**
Your library liaison may be able to provide general guidance on data

Welcome to the Research Data Management Guide!

Data management is the process of managing your data before, during, and after a research project. The effective management of your data ensures that your research is secure, promotes the reuse of your data by other researchers, and assures compliance with federal guidelines.

Research data can be produced through any systematic collection of information for the purpose of analysis. We tend to think of numeric data, but research data can take many different forms, including images, video, sound files, or textual data.

This guide lists resources available at UNCG for managing your data. If you have questions about any of these resources, please contact Lynda Kellam, the Data Services Librarian. You may also make an appointment for a consultation.

-  [Top Resources Handout](#)

For information about acquiring data sets for secondary data analysis, please see the Data Services: [Finding Data](#) guide.

Why Data Management?

Tutorials on Data Management

Lesson 1: Introduction to Data Management



Data Services Librarian



Lynda Kellam

[Email Me](#)



Challenges

- No clear campus-wide data support structure
 - Campus-wide services for research integrity, research grants, and some research computing
 - Other services vary by school
- Varying levels of faculty awareness of:
 - Support structures
 - Requirements of funding agencies
 - Best practices for data management
- Some hesitation to share research data
- Substantial staff time and expertise needed



Embargos vital for protecting research, dichotomy between need to keep research in a silo and funding requirements of agencies. Mention Box, which is IN PROCESS. IRB, grants, and "[research computing](#)" (ITS already offers consultations to researchers about their computing needs) Substantial staff time and expertise needed to meet some of the data support needs expressed by faculty

Conclusions

- Data services increasingly important to researchers
- Must assess researcher needs before implementing data support services
- Identify/partner with internal and external entities
- Liaisons can play vital front line advisory role
- Service model must be sustainable
- Keep in mind that health sciences researchers have additional legal and ethical challenges in sharing data



Thank you!

Questions?

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