Beyond Data Management Plans

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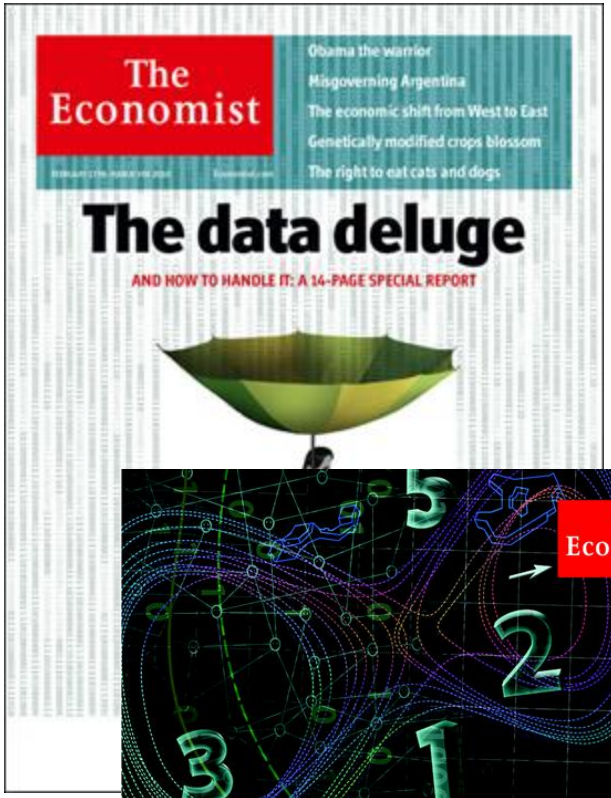

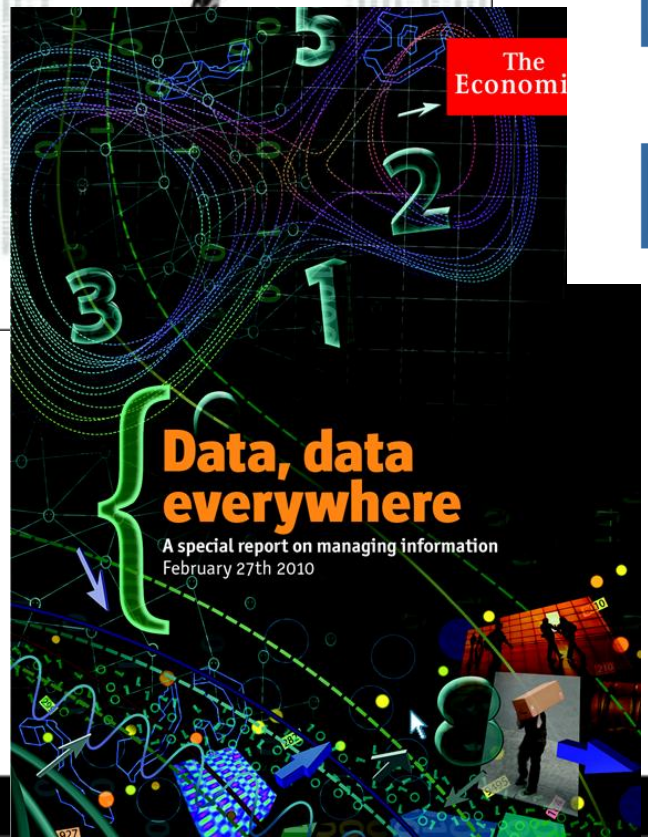

FISHES OF TEXAS

HOME | COLLECTION | MAPS | LOCALITIES | TAXONOMY | C

ABOUT FISHES OF TEXA

As indicated below, we serve inter-linked cont
major navigational links:

Documentation and He

Fish occurrences

Scientific Name:
Libellula pulchella

Common Name:
Twelve-spotted Skimmer

Scientific Name:
Epitheca cynosura

Common Name:
Common Baskettail

Scientific Name:
Enallagma basidens

Common Name:
Double-striped Bluet

UT Libraries & data management

- UT Digital Repository
- NSF data management plan requirement
- Traditional role of libraries plus new opportunities
- What's missing?

The Group

- UT Libraries
- Texas Advanced Computing Center (TACC)
- Information Technology Services (ITS)
- Office of Sponsored Projects (OSP)

Discussion items*

What resources exist?
What services can we offer to campus?
How will we inform campus of existing resources?

- What is our target audience?
- Website or Blog? Who will host?
- Informational sessions?
- How will inquiries be handled?

*took place over a period of 7-8 months

Data Management at UT

Welcome

At the University of Texas at Austin, faculty, researchers, and students across all disciplines are engaged in research projects that use, gather, and/or create data. Throughout the research life cycle, as data grows in size and complexity, so does the infrastructure needed to support and study it. Currently, **major funding agencies** are requiring researchers to include **data management plans** in their grant proposals including best-practices for creating and developing data, as well as plans for its long-term accessibility/archiving when applicable.

Best practices in data management are evolving at a fast pace to streamline and improve the research process and to assure that the data can be shared in the future. Data sharing increases research accountability, its visibility, and contributes to more discoveries and data reuse. To help in the development and stewardship of research data, a multidisciplinary team including UT Libraries, TACC and ITS are offering **resources** and consulting to UT researchers in all disciplines that are using and/or creating data.

Managing Your Data

What does data management involve?

There are many aspects to managing your data and it can be a bit overwhelming to think of them as a whole. This section explains the different issues related to data management and provides links to resources and additional information.

Read more

Data Management Plans and Templates

What is a data management plan (DMP)?

A data management plan will help you to properly manage your data for your own use, meet **funder requirements**, and enable data sharing in the future. A DMP describes the structure and nature of the data as well as the activities and technical requirements to gather, merge, transfer, organize, document, analyze and preserve research data

Data Management Resources at UT

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Click on the links below to learn more about the resources at UT Austin for active data management, dissemination, and long term archiving:

UT Libraries offers the UT Digital Repository for archiving datasets under 1GB, and papers and publications associated with data.

Texas Advanced Computing Center offers computational and storage resources suitable for terabyte and petabyte scale collections.

Information Technology Services offers data management services and hardware to support grant writing and research activities.

The Office of Sponsored Projects (OSP) serves as the coordinating office for externally funded research and sponsored projects and can answer questions about the process of submitting grant proposals.

Other resources at UT:

From the Population Research Center-

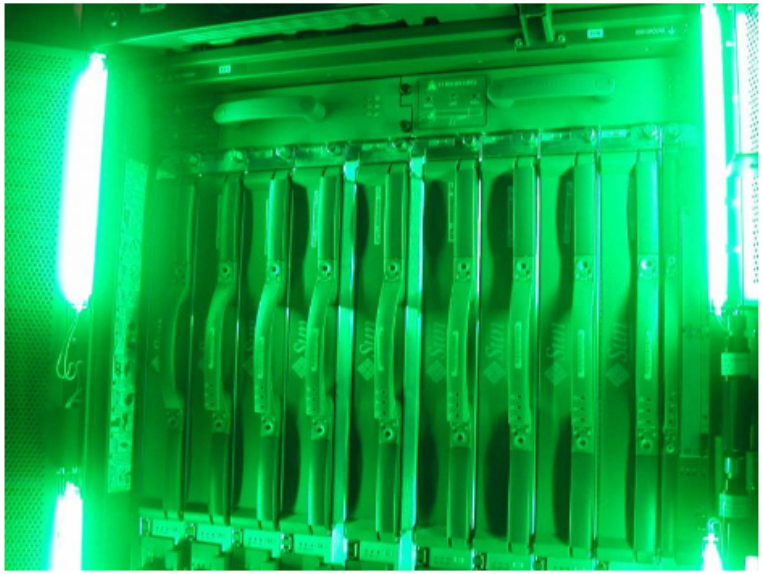
- **REDCap** (Research Electronic Data Capture) is a secure, web-based application for building and managing online surveys and databases.

From the Division of Statistics + Scientific Computation-

- **Information on statistical software**
- **Statistical consulting services**

If you are unsure of what resources your project may need, please fill out this **short questionnaire** and we will direct you to the appropriate people and resources.

ITS (Information Technology Services)



The information technology (IT) infrastructure and environment at the University of Texas at Austin are robust, secure, and mature. Our IT resources are housed in state of the art facilities that are protected and professionally managed and are equipped with multiple capacities and back-up power. In addition to our **traditional services**, ITS offers researchers the following resources to support grant writing and research activities at the University of Texas at Austin:

- **Data storage**
- **Data security**
- **Hardware co-location**
- **Network access**
- **Web services**
- **Database services**
- **Virtual machine hosting**
- **Information security**
- **Application support**

Common Good Services: ITS provides **common good services**, like web, database, and encryption services—free to all researchers.

Fee for Service: ITS provides several **services**, like data storage, virtual machine hosting, and network services, at a price greatly reduced from the market price.

In addition to these services, ITS provides researchers **consulting** on the following topics: **technical analyst training**; repair services; desktop, printing, and server support; software development; **information security**; and infrastructure services.

ITS Resources in Detail

Data storage

Data storage refers to the specific method you might choose to house your data during the research process. ITS offers both dynamic and static data storage options. Dynamic options include cloud storage, hard disk back up storage, and storage in our data center. With dynamic storage options, you can store and interact with your data as you work. Static storage options offer the ability to store data in a secure space once interaction with the data is complete.

ITS offers several data storage options. Those options include WebSpace for smaller data projects, the data center for larger projects, and storage at the Texas Advanced Computing Center for significant data manipulation, visualization and storage.

Up to 1GB of data may be stored for free in individual researcher **WebSpace**.

The **University Data Center** offers UT Austin researchers a **world-class facility** designed to meet or exceed industry standards. The data center offers several **services** including:

ITS

http://www.utexas.edu/its/

Services

- Data storage and security
- Hardware co-location
- Network access
- Application support
- Web services
- Virtual machine hosting
- Information security
- Database services

From: http://www.howstuffworks.com/computer-networking-pictures.htm

TACC

http://www.tacc.utexas.edu

Services

- Up to 5 TB of data storage at no cost
- UT System Data Repository
- Consulting on rights, licensing, privacy issues
- GIS development
- Database development including relational databases
- Metadata integration
- Data visualization
- Access to computation
- Evolving collections developments (DMC)

Data Management & Collections Group

http://www.tacc.utexas.edu/tacc-projects/dmc

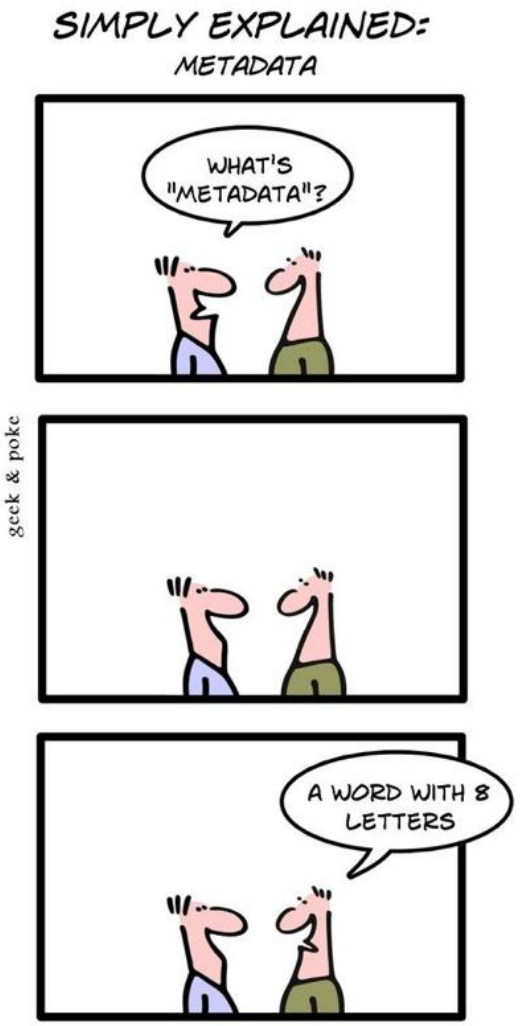
- Formed in 2008 to address lifecycle management of research collections
- Focus on evolving collections
- Frees researchers from systems administration and migration planning

UT Library Services

http://www.lib.utexas.edu

Metadata
- Explaining purpose
- Finding disciplinary standards
- Guidance and advice

Preservation
- Guidance and advice on best practices
- Repository for some data



From: http://itmanagement.earthweb.com

UT Library Services, cont.

Referrals to internal units

Referrals to subject-specific repositories

Archiving of certain types of data

University of Texas Digital Repository

Appropriate for:
- <1GB per file
- Static files
- Long-term preservation
- Openly accessible

It's free!

You can also submit publications and other work associated with your data

DMPTool
Guidance and Resources for your Data Management Plan

NSF-GEN: Generic: 5. Plans for archiving & preservation

Plans for archiving data, samples, and other research products, and for preservation of access to them.

Progress

Click on a section below to edit it at any time.

= complete

Plan description

1. Types of data produced
2. Data and metadata standards
3. Policies for access and sharing
4. Policies for re-use, redistribution
5. **Plans for archiving & preservation**

Suggested answer text box size: small | medium | full
(copy and paste as needed)

Following consultation with the University of Texas Libraries staff members, I plan on depositing my research data in the University of Texas Digital Repository (UTDR). I will submit the necessary metadata and other resources to make my data accessible for

Help box size: small | medium | full

This portion of the Data Management Plan asks the researcher to provide a long-term strategy for archiving and preserving the data from the research described in the proposal. *Consider these questions*:

- What is the long-term strategy for maintaining, curating and archiving the data?

Resources

University of Texas at Austin
UT: Data Management

UT: Digital Repository

General
NSF Data Sharing Policy

NSF Data Management Plan Requirements

Outcomes

- TACC has offered 2 training sessions
- UT Libraries/ITS through OSP have offered 4 informational sessions
- Emails coming through the site – only 3 so far

Where to next?

Evaluation

Adding information to the site
- FAQs
- Blog for news items

Future information sessions

Continue investigating resources on campus

Continuing education

Lessons learned

Done by next week? Think again!
Communicate responsibilities clearly
Take advantage of campus strengths
Reevaluate on a regular basis

Thank you!

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Website: http://lib.utexas.edu/datamanagement

From: Bill Watterson, Aug. 23, 1995