

# DATA MANAGEMENT AND OPEN ACCESS REQUIREMENTS FOR FUNDED RESEARCH



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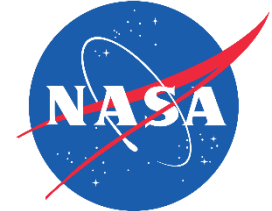
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# HOW IT ALL GOT STARTED:

## Open Data Executive Order May 9, 2013

The Obama Administration took steps to make information generated and stored by the Federal Government more open and accessible to innovators and the public, to fuel entrepreneurship and economic growth while increasing government transparency and efficiency.



# OBJECTIVES OF THE EXECUTIVE ORDER (DIGITAL DATA)

- ❖ Maximize free access while protecting privacy and confidentiality, national security
- ❖ Recognizing intellectual property rights
- ❖ Balancing costs & benefits of long-term preservation
- ❖ Require data management plans (DMPs)
- ❖ Allow inclusion of costs in applications for funding
- ❖ Ensure appropriate evaluation of DMPs
- ❖ Monitor compliance by investigators
- ❖ Encourage deposit of data in public repositories, where possible
- ❖ Cooperate with the private sector
- ❖ Develop approaches for data citation & attribution
- ❖ Support training, education and workforce development
- ❖ Assess long-term needs for preservation and options for repositories



# OBJECTIVES OF THE EXECUTIVE ORDER (PUBLICATIONS)

- ❖ Public can read, download, analyze in digital form
- ❖ 12-month post-publication embargo as guideline, with stakeholder petitions to change
- ❖ Easy public search, analysis of, and access to publications
- ❖ Full public access to metadata without charge
- ❖ upon first publication Public-private collaboration
- ❖ Attribution to authors, journals, and original publishers
- ❖ Archival solutions that provide long-term preservation & access without charge
- ❖ Uses widely available, nonproprietary standards/formats
- ❖ Provides access for persons with disabilities (consistent with Section 508 of Rehabilitation Act)
- ❖ Enables integration and interoperability with other Federal archival solutions and other appropriate



# DATA MANAGEMENT PLANS

- ❖ Different funders = Different requirements
- ❖ Types of data produced
- ❖ Data and metadata standards
- ❖ Policies for access
- ❖ Policies for reuse
- ❖ Plans for archiving
- ❖ Roles and responsibilities

# AVAILABLE RESOURCES



## OFFICE OF RESEARCH AND SPONSORED PROGRAMS

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### Research Data Management and Security

**Research Data Management:** An increased focus on the accessibility, usability, and impact of research data brings with it new priorities for researchers. Funders, journals, and the taxpaying public are requiring greater access to research results, especially if the research has been sponsored by public funds. This section provides a variety of resources on data management practices and concepts, as well as specific information to help Texas State researchers fulfill data management and sharing requirements of NSF, NIH and other funders.

**Research Data Security:** Texas State is responsible for ensuring the security of highly sensitive research data, such as Protected Health Information (PHI) and Personally Identifiable Information (PII). The release of such data not only threatens research subjects but can result in financial liability for the institution and in some case, the researchers making the data available. This section contains information and links to Texas State policies and procedures applicable to all research or sponsored projects involving data security and acquisition of IT products and services.

Texas State University offers researchers multiple resources to ensure compliance with federal funders' mandate for open access data and publications.

**Where to go for assistance:**

**Understand funder requirements for your data management plan**

- Check the [DMP tool](#) for Funder Requirements and templates
- Contact your [College Research Coordinator](#)
- Contact [Pre-Award Support Services](#), Office of Research and Sponsored Programs

**Learn the basics of data management planning**

- Check Alkek Library's [Data Management and Planning guide](#) (includes librarian contact info for additional assistance)
- Attend a [workshop on Data Management planning](#) offered regularly by Alkek librarians

**Deposit and publish data/open access publications**

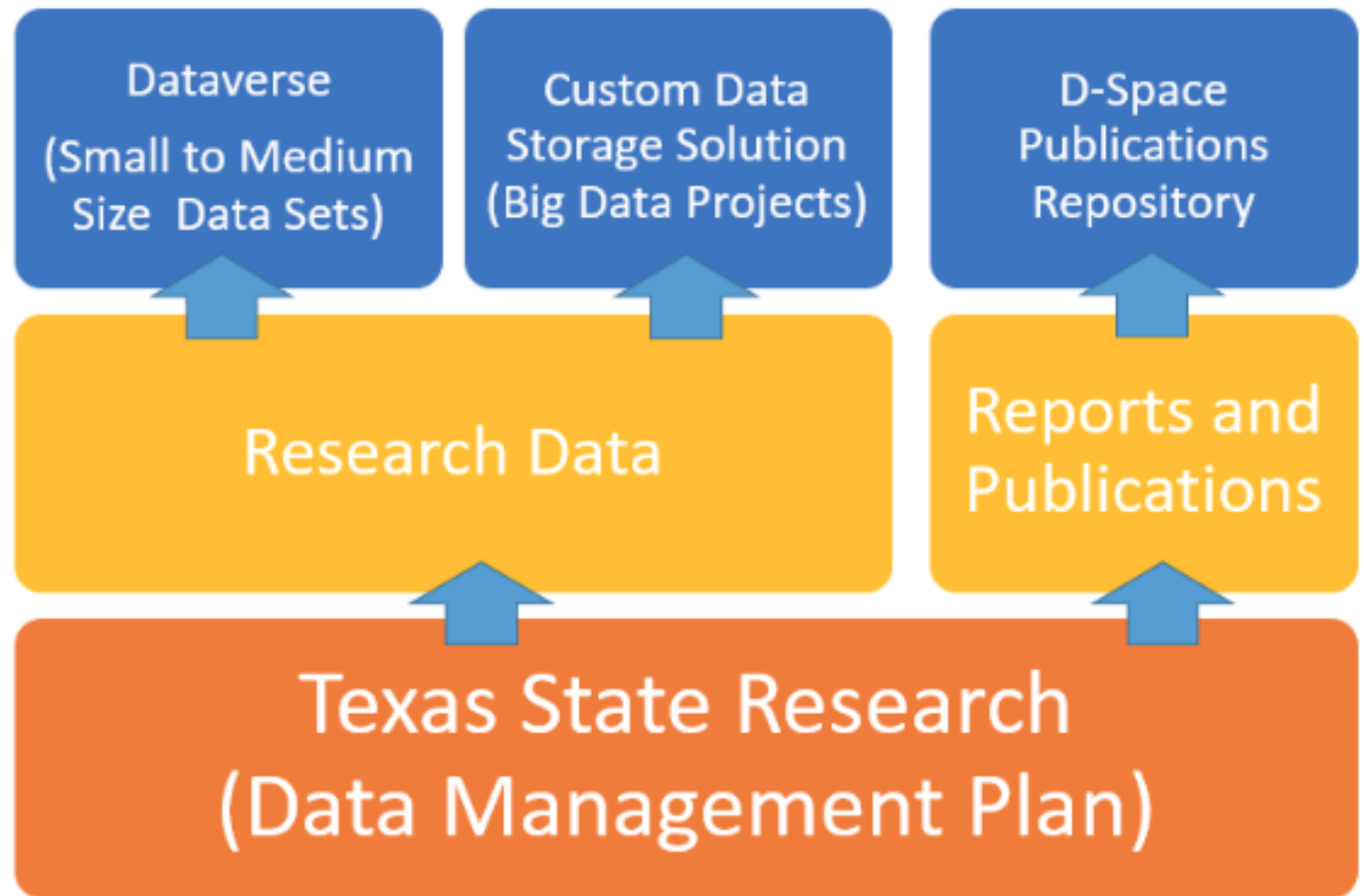
- [Dataverse Data Repository](#) for research datasets
- [Dataverse Quick Start Guide](#)
- [Digital Collections](#) for open access research publications
- For additional support with Dataverse or Digital Collections, contact a librarian at [digitalcollections@txstate.edu](mailto:digitalcollections@txstate.edu)

**Research Data Security**

- [Assistance during Proposal Submission or Prior to Grant Set Up](#)
- [Data Use Agreements](#)
- [Research Data Security Form](#)



# HOW TEXAS STATE UNIVERSITY CAN HELP



# DATAVERSE AT THE UNIVERSITY LIBRARIES



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# THE TEXAS DIGITAL LIBRARY



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# WHY INSTITUTIONAL DATA REPOSITORIES

Search the Texas Data Repository

FIND



Add Data



Explore Data Repository



Learn More



Get Help

Publish and Track Your Data, Discover and Reuse Others' Data!

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# DATA MANAGEMENT PLANNING AND DATA CURATION

## Albert B. Alkek Library

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[Library](#) > [LibGuides](#) > [Data Management and Planning](#) > [Welcome](#)

Search this Guide



## Data Management and Planning: Welcome

Use this guide to learn the basics of Data Management and Data Management Planning, to prepare to write a Data Management Plan (DMP), or use it as a reference tool for various aspects of the same.

Welcome

[Working with Data](#)

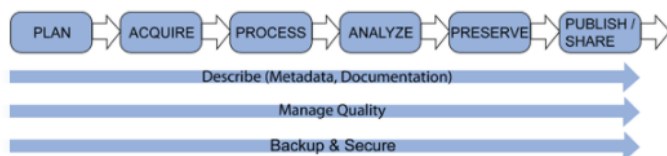
[Sharing your Data](#)

[Preserving your Data](#)

[Writing a DMP](#)

[Learn more and get assistance.](#)

### Data Management is important



The USGS Data Lifecycle produced by the U.S. Geological Survey

**Plan:** A documented sequence of intended actions to identify and secure resources and gather, maintain, secure, and utilize data holdings comprise a Data Management Plan. This also includes the procurement of funding and the identification of technical and staff resources for full lifecycle data management. Once the data needs are determined, a system to store and manipulate the data can then be identified and developed.

**Acquire:** Acquisition involves collecting or adding to the data holdings. There are four methods of acquiring data: collecting new data; converting/transforming legacy data; sharing/exchanging data; and purchasing data.

**Process:** Processing denotes actions or steps performed on data to verify, organize, transform, integrate, and extract data in an appropriate output form for subsequent use. This includes data files and content organization, and data synthesis or integration, format transformations, and may include calibration activities (of sensors and

### Math/Computer Science/CIS Librarian



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# WHO IS DATAVERSE RIGHT FOR?

- ❖ Anyone who needs or wants to share data
  - DOI issued
  - Data preserved for required time (plus more)
  - Indexing, and others previously mentioned
- ❖ Non-confidential data
  - Funder requirement to de-identify/anonymize/cleanse
    - Library can help with this
  - Texas State Policy
- ❖ Active Texas State NetID
  - Though we are working on allowing cross-institution working groups
- ❖ Small-Medium sized datasets
  - Large data accommodated via consultation with IT
    - Library can help facilitate that connection
- ❖ Any file type
  - Open non-proprietary is encouraged
  - We can help with conversion



# PROCESS OVERVIEW



[Texas State University Dataverse](#) (Texas State University)

[Texas Data Repository Dataverse](#) > **Texas State University Dataverse**

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## Dataverse Category

[Laboratory \(1\)](#)

[Research Project \(1\)](#)

## Publication Date

[2017 \(27\)](#)

## Author Name

[Trujillo, Logan \(22\)](#)

[Ogletree, Shirley \(2\)](#)

[Allcorn, Ashley \(1\)](#)

[Clement, Matthew \(1\)](#)

1 to 10 of 27 Results

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### Linked Oppression Data

Jul 7, 2017



Ogletree, Shirley; Allcorn, Ashley, 2017, "Linked Oppression Data", doi:10.18738/T8/MZVVIR, Texas Data Repository Dataverse, V1, UNF:6:cnJy1p0+z/tKYfnEj445CA==

This is a data set from a Qualtrics survey that includes measures of animal attitudes, meat-eating justifications, sexism attitudes, gender role attitudes, and an ambivalence toward men measure.

### What is Feminism.Three Studies

Jul 7, 2017



Ogletree, Shirley; Diaz, Paulette; Padilla, Vincent, 2017, "What is Feminism.Three Studies", doi:10.18738/T8/LWAKRR, Texas Data Repository Dataverse, V1, UNF:6:3zwYB91PGJAft9nZaR519A==

These files include data from three studies considering how college students define feminism.



# QUESTIONS



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## LEARN MORE:

- ❖ From Office of the White House Chief Information Officer:  
<https://project-open-data.cio.gov/>
- ❖ Links to Federal Agency Open Mandates:  
<http://www.library.cmu.edu/datapub/sc/publicaccess/policies/usgovfunders>
- ❖ ICPSR: What is data curation?  
<https://www.youtube.com/watch?v=ZEKqF8cL2qQ>
- ❖ Find the Texas State University Dataverse on the library website under “Services to Faculty”:  
<http://www.library.txstate.edu/services/faculty.html>
- ❖ Find Research Data information from the Office of Research and Sponsored Services at  
[http://www.txstate.edu/research/avpr/data\\_mgmt](http://www.txstate.edu/research/avpr/data_mgmt)