

# Data Management for Advanced Research: Managing Your Data

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## Today's Topics

- UCLA Library Data Science Center / Social Science Data Archive
  - The role of data in your research
  - Reference and Data Discovery
  - Resources, tools and support available to students at UCLA
  - Publishing and Data Management Plans
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## UCLA Library Data Science Center

(formally: Social Science Data Archive)

YRL 20136, 2nd floor

- Part of UCLA since 1961
- About the Data Archive
- Became part of the library in 2014.
- Services available to all UCLA faculty and students
- Holdings include public opinion polls, census data, crime stats, political and social behavior, etc.

<https://www.library.ucla.edu/location/social-science-data-archive>

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## Data Archive: Our services

- Reference: assist students to find and use data
- Data Management Plans
- Metadata
- Provide training: Software/Library carpentry / Software Carpentry R-language





Figure 1: illustration: DatOne Data Life Cycle

- Host events and lectures: Data Archive News and Upcoming Events

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## Our Services and the Data Life Cycle

The Data Archive provides data services that are tied to the data life-cycle.

*“Data archiving is a process, not an end state where data is simply turned over to a repository at the conclusion of a study. Rather, data archiving should begin early in a project and incorporate a schedule for depositing products over the course of a project’s life cycle and for the creation and preservation of accurate metadata, ensuring the usability of the research data itself. Such practices would incorporate archiving as part of the research method.” Preserving Research Data, Jacobs and Humphrey (2004)*

### illustration: DatOne Data Life Cycle

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## Data Management Plans

A data management plan is a document that describes what you will do with your data *during* your research and *after* you complete your research.

## Required By:

- Funding Agencies
  - Publishing
  - Sharing and Archiving Data
  - Reproducibility of Research
  - Lastly, regardless of the requirements, good data management is an essential skill for researchers.
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## Basic Elements of a Data Management Plan

- Data Description
- Format(s)
- Documentation
- Privacy and ownership
- Access and sharing
- Cost

[ICPSR Handout] [NSF Handout]

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## Getting Help with Data Management Plans

- Data Science Center / Social Science Data Archive
  - Open Science Foundation: Creating a data management plan (DMP)
  - ICPSR: Data Management Plans
  - DMPTool: DMPTool
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## DMPTool

<https://dmptool.org>

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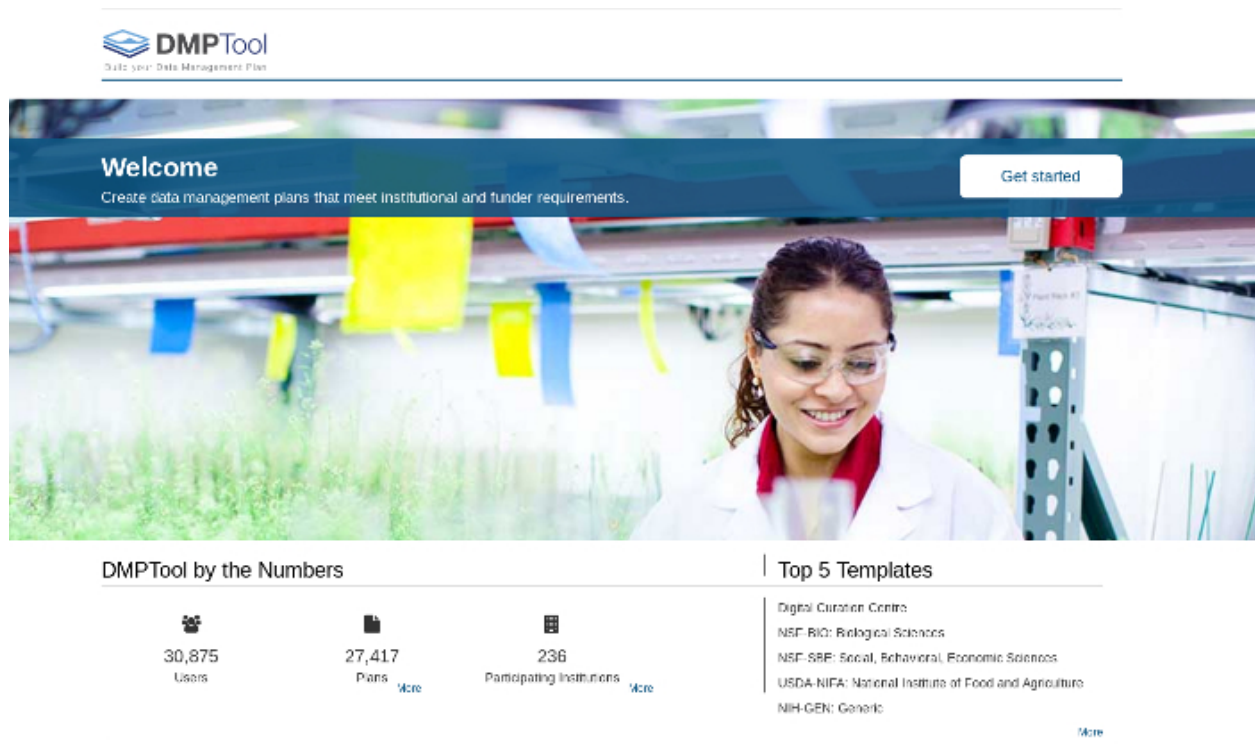


Figure 2: illustration: OSF

## Access and Sharing: Where to put data

- UCLA DataDen
- Dataverse
  - Data Science Center curated
  - Self-curated
  - Harvard Hosted
- OSF: Open Science Foundation
- ICPSR: Inter-university Consortium for Political and Social Research

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## OSF : Open Science Foundation

<https://osf.io/>

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## Center for Open Science

<https://cos.io/>

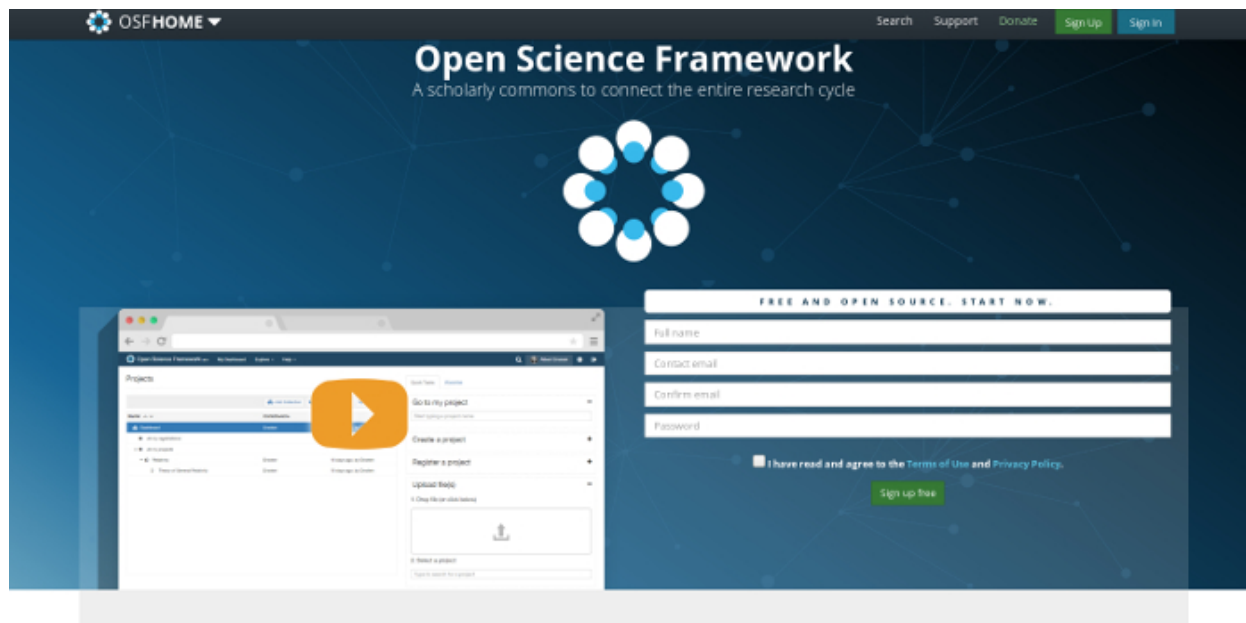
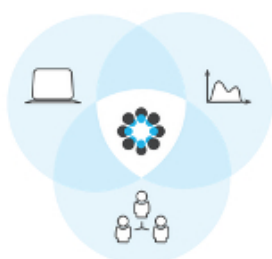
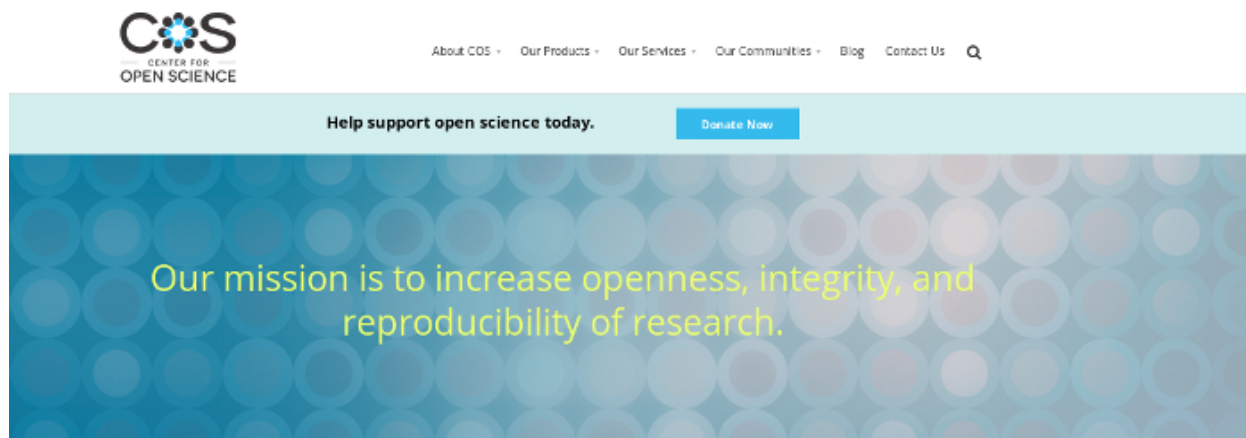


Figure 3: illustration: OSF



**These are core values of scholarship and practicing them is presumed to increase the efficiency of acquiring knowledge.**

For COS to achieve our mission, we must drive change in the culture and incentives that drive researchers' behavior, the infrastructure that supports their research, and the business models that dominate scholarly communication.

This culture change requires simultaneous movement by funders, institutions, researchers, and service providers across national and disciplinary boundaries. Despite this, the vision is achievable because openness, integrity, and reproducibility are shared values, the technological capacity is available, and alternative sustainable business models exist.

COS's philosophy and motivation is summarized in its [strategic plan](#) and in scholarly articles outlining a vision of scientific utopia for [research communication](#) and [research practices](#).

Because of our generous [funders](#) and outstanding [partners](#), we are able to produce entirely free and open source products and services. Use the header above to explore the team, services, and communities that make COS possible and productive.

Figure 4: illustration: Center for Open Science



Figure 5: illustration: Dataverse

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**Dataverse: Harvard Hosted**

<https://dataverse.harvard.edu/>

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**UCLA DataDen**

<https://dataden.library.ucla.edu/>

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**ICPSR Data Site**

**Inter-university Consortium for Political and Social Research** <http://www.icpsr.umich.edu>

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**Questions?**

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# DataDen

UCLA Library data den

DataDen preserves and enables easy and open access to all types of digital content including text, images, moving images, mpegs and data sets

[Learn More](#)

UCLA DataDen

**DataDen is Live**

Welcome to the DataDen, brought to you by UCLA Library Data Services!

More exciting news to appear here.

## Communities in DataDen

Choose a community to browse its collections.

<a href="#">Community Archives Lab</a>
<a href="#">Cotsen Institute of Archaeology</a> The Cotsen Institute of Archaeology at UCLA is a premier research organization dedicated to the creation, dissemination, and conservation of archaeological knowledge and heritage.
<a href="#">Cross-cultural Laughter</a> Data for manuscript "The perception of spontaneous and volitional laughter across 21 societies."
<a href="#">Hesperia Sound Files</a> Soundscapes of Byzantium
<a href="#">Sustainable LA Grand Challenge</a> Short description of the Sustainable LA Grand Challenge community



**The Fielding School of Public Health**  
We believe that sharing our data can

## Discover

Author	Subject	Date Issued	Has File(s)
<a href="#">Chris Kyriakakis</a> (8)	<a href="#">Hesperia Sound Files</a> (7)	<a href="#">2010 - 2018</a> (12)	<a href="#">true</a> (18)
<a href="#">Caswell, Michelle</a> (5)	<a href="#">Byzantine Era</a> (4)	<a href="#">1953 - 1959</a> (1)	
<a href="#">Gabiola, Joyce</a> (4)	<a href="#">Soundscapes of Byzantium</a> (4)		
<a href="#">Brilmyer, Grace</a> (3)	<a href="#">Urban Planning</a> (2)		
<a href="#">Zavala, Jimmy</a> (2)	<a href="#">air quality</a> (1)		
<a href="#">Bryant, Gregory A.</a> (1)	<a href="#">Community Health Centers</a> (1)		
<a href="#">Carroll, J. Douglas, Jr.</a> (1)	<a href="#">Detroit</a> (1)		
<a href="#">Federico, Felicia</a> (1)	<a href="#">energy</a> (1)		
<a href="#">Gold, Mark</a> (1)	<a href="#">greenhouse gases</a> (1)		
<a href="#">Manos, Alexander</a> (1)	<a href="#">Health Clinic</a> (1)		
<a href="#">next &gt;</a>	<a href="#">next &gt;</a>		

Figure 6: illustration: UCLA DataDen

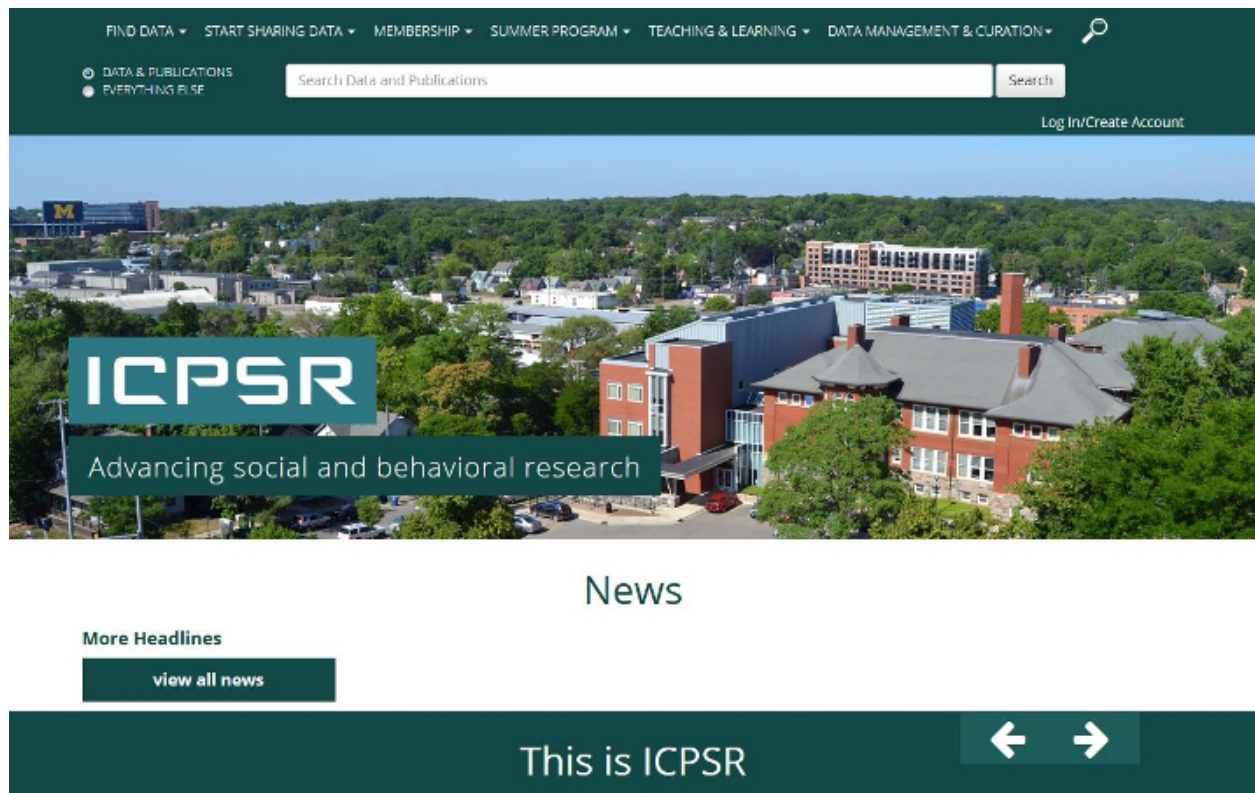


Figure 7: illustration: ICPSR

## Problems ?

### The Data Archive is here to help

YRL, 2nd Floor, Room 21536 [ucla-data-archive@googlegroups.com](mailto:ucla-data-archive@googlegroups.com) 310-825-0716 Tim Dennis, Director of the Data Archive  
 Jamie Jamison, Collection Manager





Figure 8: illustration: Questions