



Journals, Data, and Dataverse

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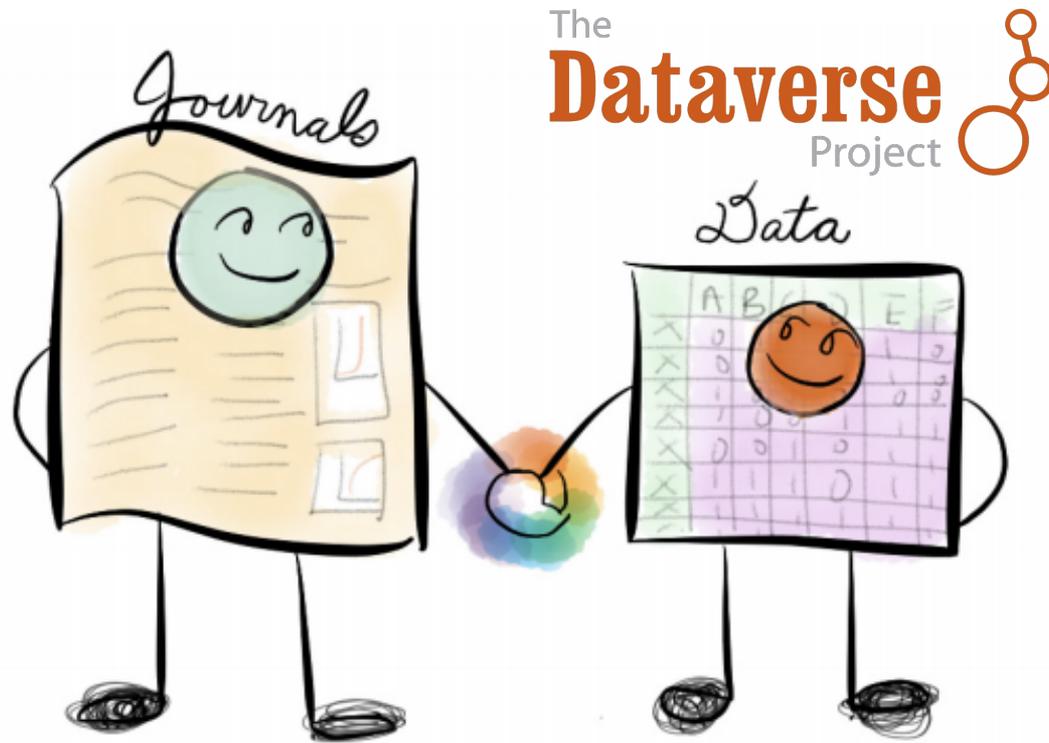
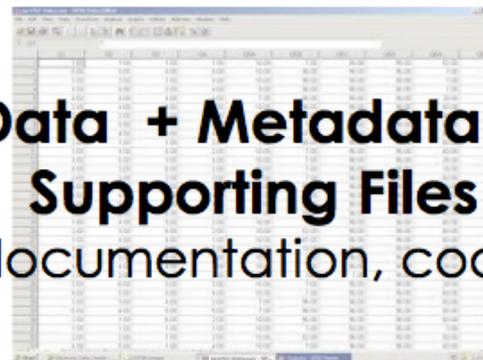


Image: Jean Liu

Why Should Journals Care About Data?

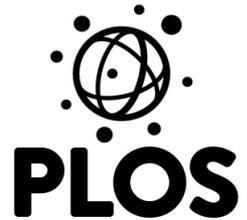


**Data + Metadata +
Supporting Files**
(documentation, code)

The image is a screenshot of a data table with many columns and rows. The text 'Data + Metadata + Supporting Files (documentation, code)' is overlaid on the table. The table appears to be a spreadsheet or a database view with various columns and rows of data.

A third party can replicate or reuse,
thus validate and advance science

Example: PLOS Data Policy



Why does PLOS have a data policy?

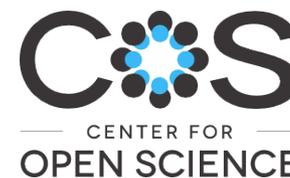
PLOS believes that making data available fosters scientific progress. Data availability allows and facilitates:

- › Validation, replication, reanalysis, new analysis, reinterpretation or inclusion into meta-analyses
- › Reproducibility of research
- › Efforts to ensure data are archived, increasing the value of the investment made in funding scientific research
- › Reduction of the burden on authors in unearthing old data, retaining old hard drives and answering email requests
- › Easier citation of data as well as research articles, enhancing visibility and ensuring recognition for authors

PLOS understands that some authors may not want to share data, just as some choose not to make their articles available Open Access, but we believe that authors publish their work precisely in order to allow others to benefit from it. More importantly, researchers want to see their work used and cited by others.

<http://journals.plos.org/plosone/s/data-availability>

Transparency and Openness Promotion (TOP) Guidelines



“Transparency, open sharing, and reproducibility are core features of science, but not always part of daily practice. Journals can increase transparency and reproducibility of research by adopting the TOP Guidelines.”

Incentives for Authors: Data Badges

VIEW THE BADGES:



See: Digital badges motivate scientists to share data

DOI: [10.1038/nature.2016.19907](https://doi.org/10.1038/nature.2016.19907)

The Rise of Data Journals

Over a 100 data journals as of this presentation and here are some examples:

DATA
IN BRIEF

Journal of
chemical & engineering
data

▶ MAKE YOUR DATA COUNT ◀

SCIENTIFIC DATA 

Journal of
open health data

Geoscience Data Journal

(GIGA)ⁿ
SCIENCE

Journal of
open psychology data

How does Dataverse Work w/ Journals



- Seamlessly manage the submission, review, and publication of data associated with published articles.
- Establish an unbreakable link between articles in your journal and associated data.
- Participate in the open data movement by using Dataverse as part of your journal data policy or list of repository recommendations.

1. Recommend a Dataverse Repository

Journals can:

- Recommend Dataverse in their data policy for authors to deposit data
- Ask authors to send them the data citation to include in article

The screenshot shows a Dataverse repository page. At the top, the Dataverse logo is visible along with navigation links for 'About', 'Guides', 'Support', and a user profile for 'Eleni Castro'. The main title of the dataset is 'Replication Data for Patients With Spinal Cord Injuries Favor Administration of Methylprednisolone'. Below the title, there is a 'Metrics' bar showing '7 Downloads'. A citation box contains the following text: 'Hawryluk, Gregory, 2015, "Replication Data for Patients With Spinal Cord Injuries Favor Administration of Methylprednisolone", <http://dx.doi.org/10.7910/DVN/B5KEYD>, Harvard Dataverse, V1 [UNF:6:UE4X7dmQ5Lxgk3besAuXeA=]'. Below the citation, there is a 'Description' section stating 'Dataset for the PLOS ONE publication.' and a 'Subject' section stating 'Medicine, Health and Life Sciences'. At the bottom, there is a 'Files' section with a search bar and a 'Find' button. One file is listed: 'Bowers_etal_MPSS.tab', which is a 'Tabular Data' file, 3.2 KB, dated Dec 19, 2015, with 7 downloads. The file description includes '20 Variables, 77 Observations - UNF:6:UE4X7dmQ5Lxgk3besAuXeA= Dataset for publication'.

Some examples of Journals/Publishers that recommend Harvard Dataverse:



SCIENTIFIC DATA



2. Setup A Journal Dataverse

Journals setup a Dataverse to:

- Organize all datasets per article / issue
- Can review datasets before publishing them
- Get a data citation w/ PID and link to the article

The screenshot shows the Harvard Dataverse interface for the Ubiquity Press Dataverse. It features a search bar, navigation links (About, Guides, Support, Sign Up, Log In), and a list of datasets. A specific dataset is highlighted with a blue border, showing its title, author, date, and a brief description of the survey data.

Currently > 90 journals in Harvard Dataverse.

Some examples of Journals/Publishers w/ Dataverses in Harvard Dataverse:



3. Data Curation + Replication verification

For Journals w/ Dataverses:

- That would like independent third-party curation and verification of replication data

Contact Odum Archive:
odumarchive@unc.edu

SAGE journals



STATE POLITICS & POLICY QUARTERLY

Odum Institute Dataverse Network >

State Politics & Policy Quarterly Dataverse

This is the replication data archive for *State Politics & Policy Quarterly*, published by Sage Journals.

State Politics & Policy Quarterly (SPPQ), peer-reviewed and published quarterly, is the premier publication outlet for original research on state politics and policy. The official publication of the State Politics and Policy Section of the American Political Science Association, SPPQ publishes high quality academic studies that develop and test general hypotheses of political behavior and policymaking, exploiting the unique advantages of the states.

POWERED BY THE **Dataverse Network** PROJECT
6.3-odum-02

Search Create Account Log In

OPEN DATVERSE
Create an account to add your own study to this dataverse. Already have an account? Log In

State Politics & Policy Quarterly	Search Studies	Search
<ul style="list-style-type: none"> 2003 2004 2005 2006 2007 2008 2009 	<p>State Politics & Policy Quarterly</p> <p>Sort By: Global ID Studies: 43 Downloads: 706</p> <p>Replication data for: A Partisan Model of Electoral Reform: Voter Identification Laws and Confidence in State Elections</p> <p>by Donovan, Todd; Bowler, Shaun</p> <p>Description: We propose a model of public response to politicized election reform. In this model,</p>	<p>Advanced Search Tips</p> <p>1 2 3 4</p> <p>doi:10.15139/S3/12114</p> <p>18 downloads + analyses</p> <p>Last Released: Dec 4, 2015</p>

Journals currently using this service from UNC Odum:



UNC
THE ODUM INSTITUTE

4. Automated Integration (SWORD API)

For Journals with a Dataverse that would like:

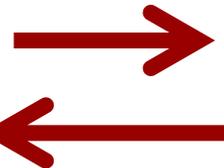
- Authors to submit data at the same time as the article in journal management system.
 - Data is automatically archived in Dataverse w/ data citation added to article

Contact support@dataverse.org so we can work with you!

The screenshot shows the website for 'Revista Observatório' from the Federal University of Tocantins. The page includes a navigation menu with options like 'CAPA', 'SOBRE', 'ACESSO', 'CADASTRO', 'PESQUISA', 'ATUAL', 'ANTERIORES', 'NOTÍCIAS', and 'AHEAD OF PRINT'. There is also a sidebar with 'OPEN JOURNAL SYSTEMS' and a 'USUÁRIO' section with login and password fields. The main content area features the journal's title and a large image of a red and white archway.

Journal Article

SWORD
Protocol



The screenshot shows the 'Revista Observatório Dataverse' page. It features a search bar, navigation links, and a list of datasets. The first dataset is 'Rev. Observ. nº 4 (vol. 2 nº 1 2016)' with a publication date of May 2, 2016. The second dataset is 'Rev. Observ. nº 3' with a publication date of Mar 10, 2016. The page also includes a 'Search this dataverse...' field and a 'Find' button.

Dataset in Journal's Dataverse

Features made for journals

Data File Widget to insert in article (Fall 2016)

The image shows a screenshot of the MIT Press Journals website. The main article is titled "The Review of Economics and Statistics" and includes a "Cited Dataset" section. A callout box highlights a "Data File Widget" that can be inserted into an article. The widget displays a table of data files with columns for file name, size, and download status. Below the table are buttons for "Download" and "Download All".

Private URL For Dataset Review (Summer 2016)

The image shows a screenshot of the Dataverse interface. A "Private URL" dialog box is open, displaying the message: "Use a Private URL to allow those without Dataverse accounts to access your unpublished dataset." Below this message, it states "Private URL has not been created." and provides a "Create Private URL" button. The background shows the Dataverse interface with a "Success! - This dataset has been created." message and a "Private URL" button highlighted in the "Permissions" section.

Thank You!



Contact us: support@dataverse.org