

Data sharing¹

Why, when, where, & how

Rick Gilmore Bruce Desmarais

Psychology/CSC

Political Science/SoDA

¹NSF & NIH

Preliminaries

Agenda

Why share data

Transparency

Accelerate discovery

Improved rigor

Internal reproducibility

Requirement

- ▶ Funder
- ▶ Journal
- ▶ Institutional

When to share data

On submission

After acceptance

- ▶ Pre-publication verification

On publication

End of grant period

Where to share data

Data repository

- ▶ Dataverse (linked to journal article)
- ▶ Databrary.org
- ▶ ICPSR
- ▶ OSF.io
- ▶ PSU ScholarSphere
- ▶ PSU Data Commons
- ▶ NIH Data Archive
- ▶ Zenodo.org

Alternatives to repositories

Data journal

List of data journals


 Kindling, Maxi;  Strecker, Dorothea

This document describes a dataset that aggregates information about 135 data journals.

Data journals focus on the publication of data papers – a specialized publication type describing datasets, their collection and reuse potential that is peer-reviewed, citable and indexed.

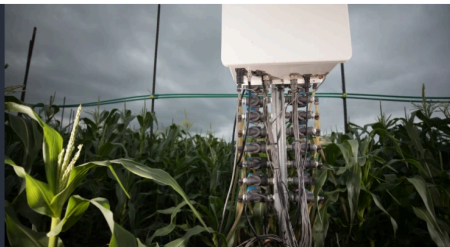
This dataset includes a comprehensive list of data journals that was compiled by aggregating existing sources, as well as an overview of these sources.

The list is continually updated on GitHub, where additional information on data journals (URLs of data journal homepages) is provided: <https://github.com/MaxiKi/data-journals>

Preview 			
issn	journal_title	publisher	data_journal_type
2363-4952	RIDE - A review journal for digital editions and resources	Institut für Dokumentologie und Editorik	pure
2059-481X	Journal of Open Humanities Data	Ubiquity Press	pure
2296-7745	Frontiers in Marine Science	Frontiers	mixed
2054-345X	Human Genome Variation	Springer Nature	mixed
2032-6378	Journal of Astronomical Data	Vrije Universiteit Brussel	pure
2603-431X	Viticulture Data Journal	Pensoft Publishers	pure

Two decades of fumigation data from the Soybean Free Air Concentration Enrichment facility

Elise Kole Aspray, Timothy A. Mies ... Elizabeth A. Alnsworth
Data Descriptor | 20 April 2023



Announcements

Collection open for submissions

Scientific Data is open to submissions for this special collection: Meteorology and hydroclimate observations and models

[Open for submissions](#)



www.nature.com/sdata/

n.b.— Gilmore is on editorial board.

- ▶ Could be extra pub
- ▶ Especially good for early-career researchers

How to share data

FAIR principles

- ▶ **F**indable
- ▶ **A**ccessible
- ▶ **I**nteroperable
- ▶ **R**esusable

[?]

CARE principles

- ▶ **C**ollective benefit
- ▶ **A**uthority to control
- ▶ **R**espect
- ▶ **E**thical use

[?]

Resources

About

This talk was produced using Quarto. Rick Gilmore used the RStudio Integrated Development Environment (IDE). Bruce Desmarais used XXX.

The source files are in R and R Markdown, then rendered to PDF slides in the beamer format. The PDF slides are hosted in a GitHub repo.

References