

# Data sharing<sup>1</sup>

Why, when, where, & how

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Psychology/CSC

Political Science/SoDA

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<sup>1</sup>NSF & 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

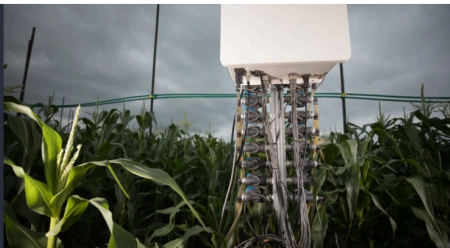


## Alternatives to repositories

[nature](#) > scientific data

## 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](#)



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