

Data Management Planning with DMPTool

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About us



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Rate your level of comfort with...

What is a Data Management Plan?

- A living document that outlines what you will do with your data during and after research, i.e. your *plan* for your data.
- Often a *supplemental document* required at award submission when submitting a grant proposal to a federal funder.

Why Data Management Plan?

- Allows you to focus on data collection versus details about organization and storage
- For reproducibility (for self and others)

Data Management Plan basics

The plan should...

- Summarize data and related content to be collected
- Describe how metadata, paradata, and analytical transformations will be collected and shared
- Determine terms of sharing, including redistribution terms as well as limitations
- Address distribution methods and assurance of long-term availability
- Consider roles and oversight for ensuring compliance and accountability

FAIR principles for data sharing

Findable

Accessible

Interoperable

Reusable

A green triangle is located in the bottom right corner of the slide.

FAIR principles for data sharing

Findable: can it be found by researchers?

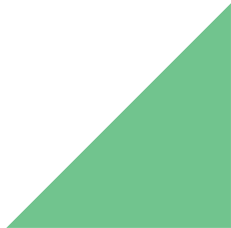
Accessible: can researchers get to it?

Interoperable: set up like similar data?

Reusable: licensed, described, clean?

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Documentation, metadata, and structure (oh my)

- As if you were creating it for your own “future self”
 - Definitions needed to understand and interpret the data
 - Relevant protocol information to reproduce and extend it
 - Organized in a meaningful and useful way
 - Not dependent on today’s specific software (and hardware)
- 
- A green triangle is located in the bottom right corner of the slide.

Different plans for different funders...*

*and disciplines

NSF data management plan categories

- Types of data
- Standards and file formats
- Roles and responsibilities
- Dissemination methods for data and metadata
- PI's policies for public access and reuse
- Plans for archiving data and other research products

NEH data management plan categories

- Expected data
- Period of data retention
- Data formats and dissemination
- Data storage and preservation of access

NEW! 2023 NIH DMSP sections

- Data types
- Related tools, software, and code
- Standards
- Data preservation, access, and associated timelines
- Access, Distribution, or Reuse Considerations
- Oversight of Data Management and Sharing

“Do you have a template?”

<http://dmptool.org>

1. Sign in, as institutional member or guest
2. Select a funding agency
3. Select a template

DMP Tool walks you through the rest!

Summary

- DMPs are a *plan*, like a project plan for data
- What do you anticipate doing, and how FAIR and open will it be?
- Be clear about what is anticipated/possible versus what is definitely going to happen
- If you write it, you will have to report on it!



Let's practice!

Exercise part 1

Imagine you're collecting data on information desk traffic, in order to research how to improve desk services.

Exercise part 1: Jot this down

What format is it in?

How do you get it set up so you can graph it when you're ready?

What variables will you collect?

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Exercise part 2: SURPRISE TWIST!

Your state offers money for libraries to create a collection of data on library service desks, so you can compare. \$\$\$

Your boss decides, you're in!

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Exercise part 2: SURPRISE TWIST!

The funder requires a data management plan. They suggest using the forthcoming NIH style

(because it's the newest so it must be good, right?)

And now back to DMP Tool!!!

<http://dmptool.org>

Questions?

And thank you!

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