us at libraryrdds@pobox.upenn.edu. sharing based on their needs. Contact assess available options for data RDDS staff can help UPenn affiliates



torm they can use stakeholders and contributors in a Return data and research results to duplicate data collection

Share to reduce the burden of disparifies

incorporate quality control

reinforce inequifies or close Account for how publication may qomain-specific specifications trameworks such as FAIR, CARE, and

#### Actions

their analysis. share data and/or report findings from The stage at which people publish and

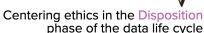
#### Definition

lite cycle Disssemination phase of the data Centering ethics in the





# Data afterlives <



#### Definition

The stage at which people destroy or archive data, either completely or partially.

#### Actions

- Empower individuals to order the destruction of their data
- · Be transparent about the plans for the data after project conclusion
- Put in place accountability mechanisms to provide redress for harms that may arise from data misuse

mitigation actions Identify encoded bias and consider

stakeholders' interpretation of the

Seek out and incorporate context and limitations

Be transparent about the data's approach it as an abstraction inherent in data, rather than · Foretront the human element

#### Actions

to decide what the data mean. people will be involved in the process or measures like indexes, and which process the data to create new variables include or exclude in analyses, how to includes determining which data to to tabulate and interpret data. This The stage at which people decide how

#### Definition

cycle A Analysis phase of the data life Centering ethics in the Processing



### Tools & Resources

#### Learn more

- D'Ignazio, Catherine, and Lauren F. Klein. Data Feminism. Cambridge, MA: The MIT Press, 2020.
- D'Ignazio, Catherine, and Lauren F. Klein. "Data Feminism for AI," FAccT '24: Proceedings of the 2024 ACM Conference on Fairness, Accountability, and Transparency. Rio de Janeiro, Brazil: June 5, 2024. https://doi.org/10.1145/3630106.365
- Benjamin, Ruha. Race After Technology: Abolitionist Tools for the *New Jim Code*. Oxford, England: Polity, 2019.
- <u>data.org</u> resources, courses, and playbooks

### Put it into practice

- ODI Interactive Data Ethics Canvas
  Data Ethics Toolkit for the
- Participatory Sciences (AAPS)
  Grantees may offer additional
- guidance, like the Packard Foundation Data Ethics Guidebook and Toolkit

for Al training without your knowledge! Microsoft 360) may harvest your data systems (including Google Drive and Be aware that cloud data storage



- such as re-identification Anticipate potential security risks,
  - for data
- · Provide reciprocal value in exchange
- Require informed consent and "opt-
  - · Collect only the minimum viable
  - · Involve stakeholders from the start

#### Actions

to obtain them (collection). (instrumentation), and take action determine how to collect them data to collect and why (conception), The stage at which people decide which

#### Definition

phase of the data life cycle Centering ethics in the Acquisition



## ABOUT THIS ZINE

This zine created by Cynthia Heider, based on a workshop offered at Penn Libraries.

- Download it at https://bit.ly/dataethics-rdds
- Feel free to print and distribute under the terms of CC BY-NC-SA.
- Preferred citation: Heider, Cynthia. "Ethically Making and Sharing Data," accessed [insert date you accessed it here], https://github.com/upenndigitals cholarship/workshop-dataethics/blob/main/2025-Zine\_Ethically\_Making\_Sharing\_ Data.pdf.





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burdens and benefits among people  $\Delta$  The commitment to the fair distribution of

and to protect people who do not have that make decisions that are in their best interest The responsibility to uphold people's power to Respect for Persons

even if it is not a formal or legal requirement avoid causing harm to the extent possible, The commitment to maximize benefits and Beneficence



implemented by Institutional Review Boards (IRBs) · Lays out principles that are now

research practices (for instance, the congressional concern about unethical Published in response to public and

Protection of Human Subjects of Research Principles and Guidelines for the "The Belmont Report" on Ethical

# Principles & Precedents

# ETHICALLY MAKING & SHARING DATA

A zine for researchers or anyone else!



Learn about the data life cycle

Review data ethics principles & precedents



Identify key actions at every step of the cycle

Put it into practice with tools & resources



More at https://bit.ly/data-ethics-rdds!