

The value of open data

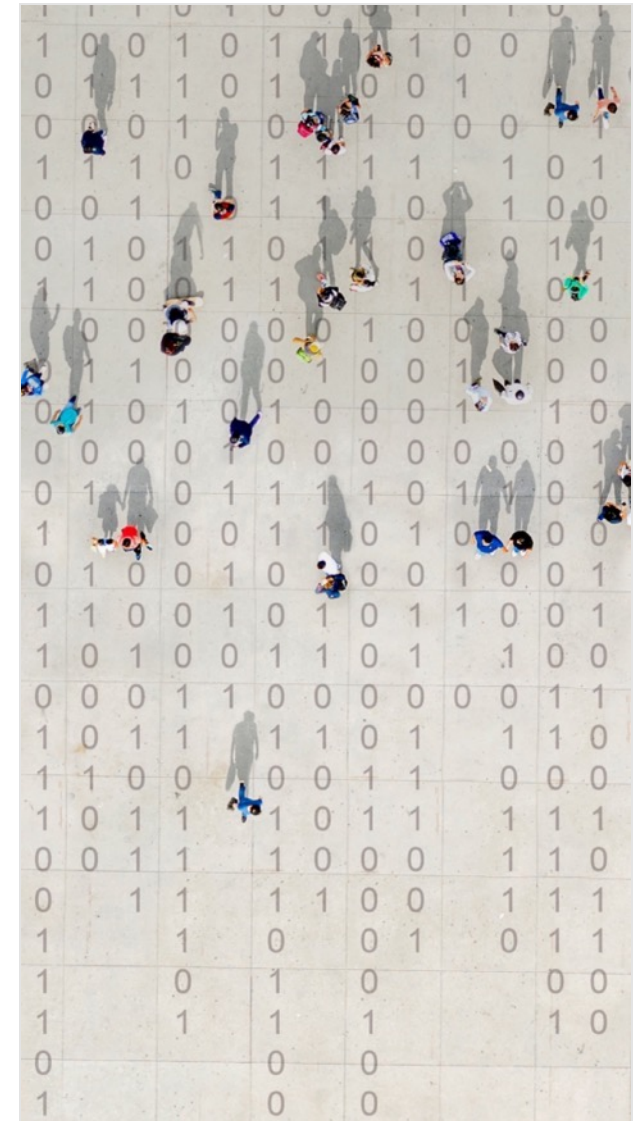
A meta-research(er) perspective

AGU/CHORUS Forum: How open is open data and software?
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Today's talk

Focus data sharing/reuse

Three questions ('provocations')

Three responses

So what can be done?

Provocation 1:

Does 'openness' depend on
context and demand flexibility?

No need to wait for an answer:

A resounding yes!

See for sharing data

Openness depends on community, norms, infrastructures, data, types research, legal requirements...

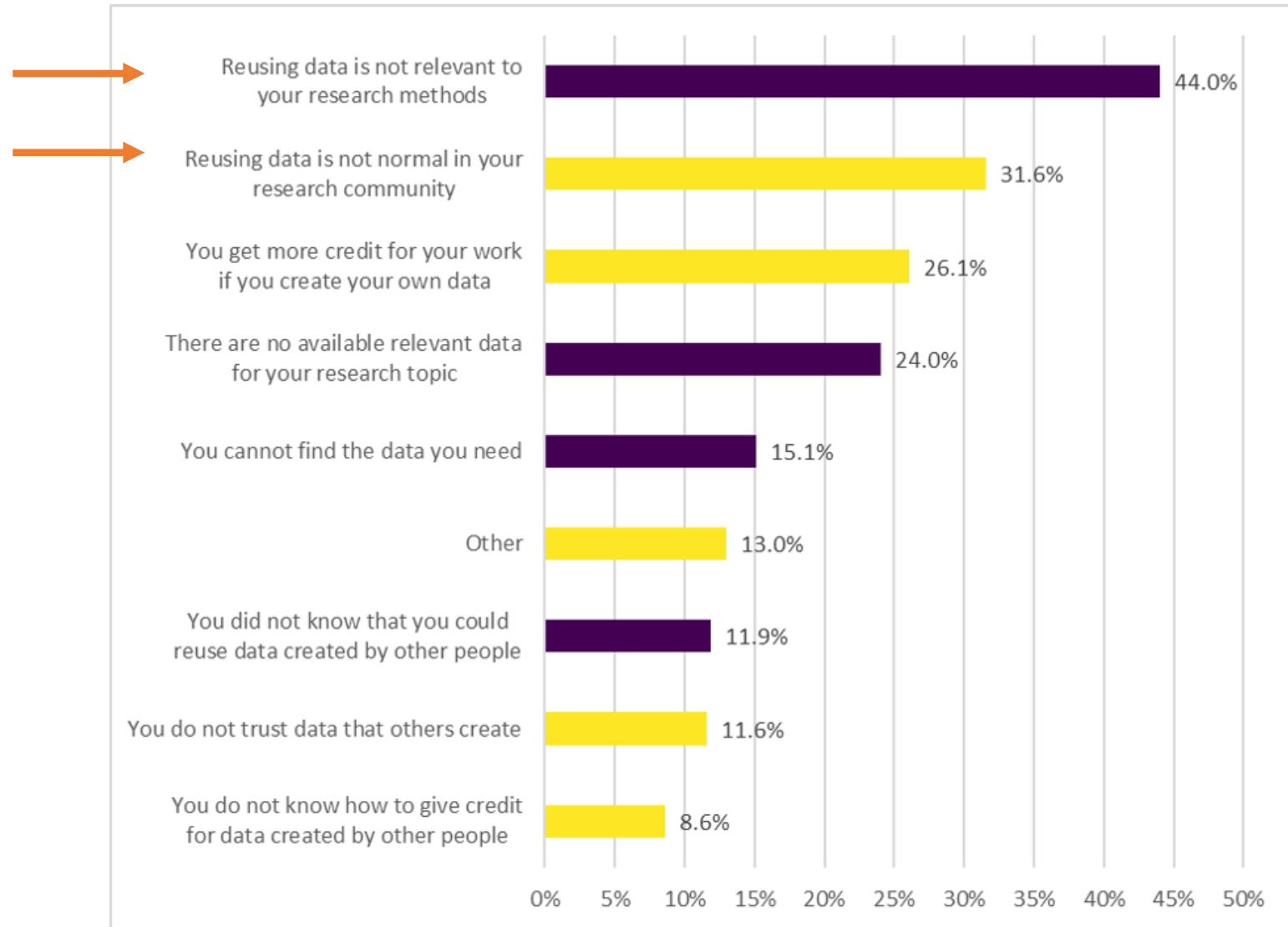
*We have to be very careful sharing the raw data, otherwise we **can be sued by the lab or by the university**...In terms of the clinical data (in Portugal), **the situation is different**...it is not that formal as in the United States. It is **quite frequent to share clinical data** with other researchers.*

See for reusing data

Re-using data is not relevant for all

And challenges exist

Why do you not reuse data?



Weighted percentages of respondents to this question (n=466). Items with a significant disciplinary difference in purple. Multiple responses possible.

So what?

A chance to get
creative

Recognize the spectrum of research

- Flexible 'snap-in' policies
- Sharing 'openly' or reusing data are not always relevant or possible

Provocation 2:

What is our responsibility around attribution and credit?

Wait a minute...

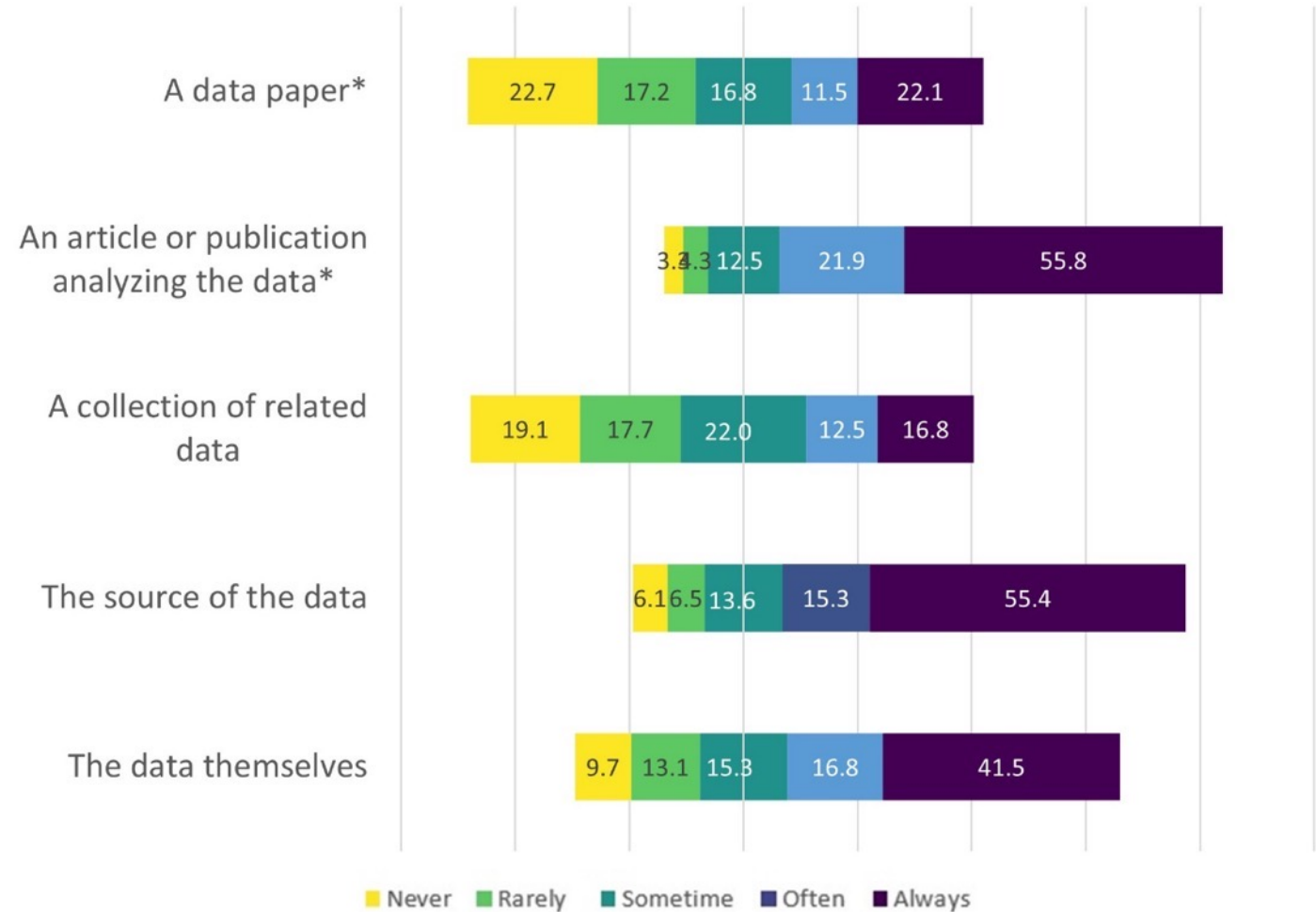
Are researchers already 'responsibly' attributing data use?

Citing data

Majority of data re-users report citing!

Variety in practice

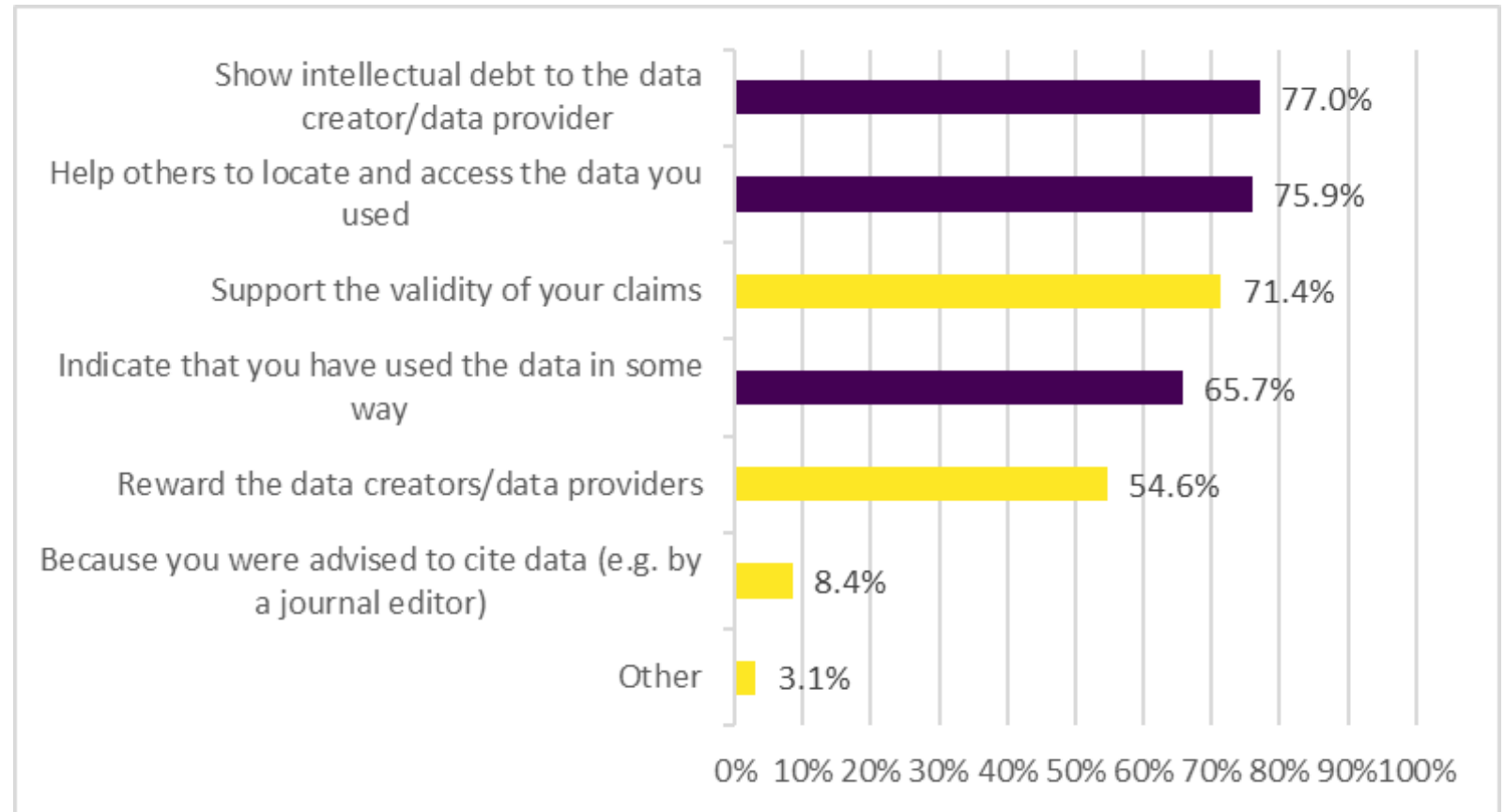
What data objects do you cite or reference?



Motivations

Reasons reflect ideal (responsible?) research practice

Why do you *cite* data?



So what?

Build on existing
practices

Data citation practices

- Encourage standardized data citation
- But meet researchers where they are

Provocation 3:

What is the value of
data management and data sharing ?

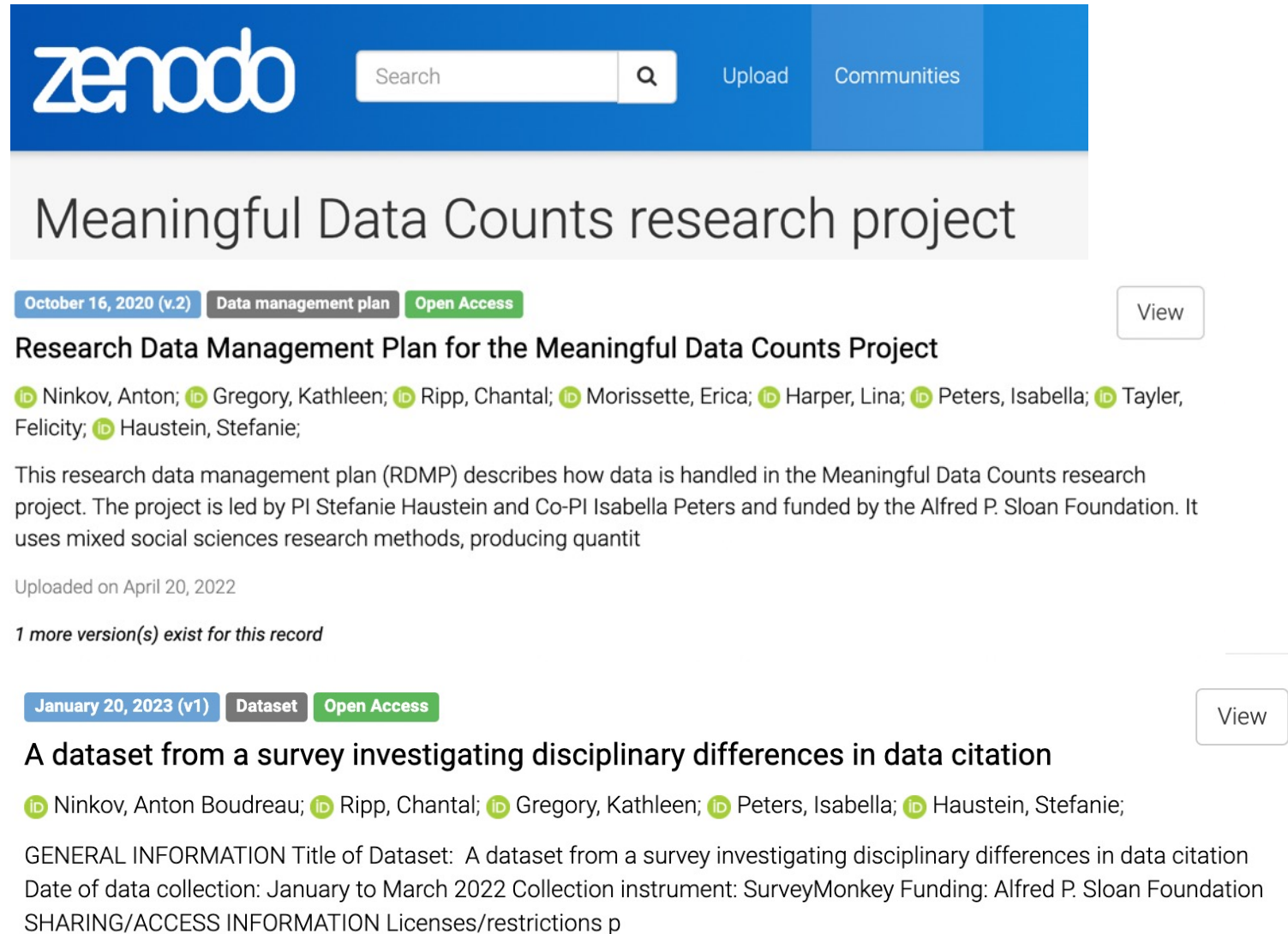
The value of **Slow (Reflexive) Science**

Wait a minute – isn't faster science the goal?

This takes
work.

Detailed, tedious

Lots of questions – also
an opportunity



The screenshot shows the Zenodo website interface. At the top is the Zenodo logo, a search bar, and navigation links for 'Upload' and 'Communities'. The main heading is 'Meaningful Data Counts research project'. Below this, there are two entries:

- October 16, 2020 (v.2)** | **Data management plan** | **Open Access** | [View](#)
Research Data Management Plan for the Meaningful Data Counts Project
Authors: [Ninkov, Anton](#); [Gregory, Kathleen](#); [Ripp, Chantal](#); [Morissette, Erica](#); [Harper, Lina](#); [Peters, Isabella](#); [Tayler, Felicity](#); [Haustein, Stefanie](#);
Description: This research data management plan (RDMP) describes how data is handled in the Meaningful Data Counts research project. The project is led by PI Stefanie Haustein and Co-PI Isabella Peters and funded by the Alfred P. Sloan Foundation. It uses mixed social sciences research methods, producing quantitat
Uploaded on April 20, 2022
1 more version(s) exist for this record
- January 20, 2023 (v1)** | **Dataset** | **Open Access** | [View](#)
A dataset from a survey investigating disciplinary differences in data citation
Authors: [Ninkov, Anton Boudreau](#); [Ripp, Chantal](#); [Gregory, Kathleen](#); [Peters, Isabella](#); [Haustein, Stefanie](#);
GENERAL INFORMATION Title of Dataset: A dataset from a survey investigating disciplinary differences in data citation
Date of data collection: January to March 2022 Collection instrument: SurveyMonkey Funding: Alfred P. Sloan Foundation
SHARING/ACCESS INFORMATION Licenses/restrictions p

So what?

This is really tricky.

Data management takes time and work.

Existing steps (e.g. DMPs) as a check-in not a checkbox.

Thank you.

Questions/Discussion?



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References

Gregory, K., Ninkov, A., Ripp, C., Roblin, E., Peters, I., & Haustein, S. (2023). Tracing data: A survey investigating disciplinary differences in data citation. Zenodo. <https://doi.org/10.5281/zenodo.7555266>

Gregory, K., Cousijn, H., Groth, P., Scharnhorst, A., Wyatt, S. (2019). Understanding data search as a socio-technical practice. *Journal of Information Science*. <https://doi.org/10.1177/0165551519837182>