

Suggested Reading

Erich Weichselgartner, Nov 19th, 2021

Fun (highly recommended)

NYU Health Sciences Library (2012): Data Sharing and Management SNAFU in 3 Short Acts ([Video](#)) [SNAFU is an acronym that is widely used to stand for the sarcastic expression *Situation Normal: All Fucked Up*]

(Psychological) Methods, Meta-Science

K. Bollen, J. T. Cacioppo, R. Kaplan, J. Krosnick, J. L. Olds (2015). [Social, Behavioral, and Economic Sciences Perspectives on Robust and Reliable Science](#) (National Science Foundation, Arlington, VA).

Firebaugh, G. (2007). [Replication data sets and favored-hypothesis bias: Comment on Jeremy Freese \(2007\) and Gary King \(2007\)](#). *Sociological methods & research*, 36(2), 200-209.

Goodman, S. N., Fanelli, D., & Ioannidis, J. P. (2016). What does research reproducibility mean? *Science translational medicine*, 8(341), 341ps12-341ps12. DOI: [10.1126/scitranslmed.aaf5027](https://doi.org/10.1126/scitranslmed.aaf5027)

Hardwicke, T. E., Mathur, M. B., MacDonald, K., Nilsson, G., Banks, G. C., Kidwell, M. C., ... & Frank, M. C. (2018). [Data availability, reusability, and analytic reproducibility: Evaluating the impact of a mandatory open data policy at the journal Cognition](#). *Royal Society open science*, 5(8), 180448.

National Academies of Sciences: Reproducibility and Replicability in Science. Washington (DC): National Academies Press (US); 2019 May 7. 3, Understanding Reproducibility and Replicability. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK547546/>

Patil, P., Peng, R. D., & Leek, J. T. (2016). A statistical definition for reproducibility and replicability. [BioRxiv, 066803](#).

Peng, R. D. (2009). Reproducible research and biostatistics. *Biostatistics*, 10(3), 405-408. <https://doi.org/10.1093/biostatistics/kxp014>

Funders

German Research Foundation (DFG): [Checklist for the appropriate handling of research data in connection with DFG projects](#) (PDF)

[List](#) of most UK and European research funders with links to their RDM policies and an overview of their expectations (provided by University College London)

US National Institutes of Health (NIH) [Data Sharing Policy](#) (incl. the announcement of a new policy which will come into effect January 25, 2023)

US National Science Foundation (NSF): [Dissemination and Sharing of Research Results](#)

Societies

American Psychological Association (2018): [Data Sharing Infographic](#) (PDF)

Association for Psychological Science (2021): [Data Sharing for Greater Scientific Transparency](#)

Gollwitzer, M., Abele-Brehm, A., Fiebach, C., Ramthun, R., Scheel, A. M., Schönbrodt, F. D., & Steinberg, U. (2020, September 10). [Data Management and Data Sharing in Psychological Science: Revision of the DGPs Recommendations](#). <https://doi.org/10.31234/osf.io/24ncs>

The British Psychological Society [Data Sharing FAQ](#)

Tutorials, Talks

Bezjak, S., Clyburne-Sherin, A., Conzett, P., Fernandes, P. L., Görögh, E., Helbig, K., ... & Tennant, J. (2018). [The open science training handbook](#).

Klein, O., Hardwicke, T. E., Aust, F., Breuer, J., Danielsson, H., Mohr, A. H., ... & Vazire, S. (2018). [A practical guide for transparency in psychological science](#). *Collabra: Psychology*, 4(1).

Irena Vipavc Brvar (2015). [Data documentation and contextual descriptions](#).

Levenstein, M. C., & Lyle, J. A. (2018). [Data: Sharing is caring](#). *Advances in Methods and Practices in Psychological Science*, 1(1), 95-103. [→Table 3]

Norms, Protocols, Standards

Force11. (2014). Guiding Principles for Findable, Accessible, Interoperable and Re-usable Data Publishing version b1. 0
<https://www.force11.org/fairprinciples>

The DRESS (Documenting Research in the Empirical Social Sciences) [Protocol](#) is a set of standards for replication documentation.

Psych-DS. [A technical specification for psychological datasets](#) (a draft of a data structure standard for psychological datasets).

The [Dublin Core Metadata Element Set](#) [a set of fifteen "core" elements (properties) for describing digital as well as physical resources such as books or research data]

The [Data Documentation Initiative](#) (DDI) standard for describing study-level information in the social, behavioral, economic, and health sciences.

Wilkinson, M., Dumontier, M., Aalbersberg, I. et al. [The FAIR Guiding Principles for scientific data management and stewardship](#). Sci Data 3, 160018 (2016).
<https://doi.org/10.1038/sdata.2016.18>