

Principles and Practices in Open Science, EAPL 2021

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Part I: Planning and Preregistration

Repositories and Platforms

General

- Open Science Framework: <https://osf.io/>
- AsPredicted: <https://aspredicted.org/>

Specialized

- ClinicalTrials.gov: <https://clinicaltrials.gov/>
- PROSPERO: <https://www.crd.york.ac.uk/prospERO/>

Registration Guides and Templates

AsPredicted Example

<https://aspredicted.org/nfj4s.pdf>

Open Science Framework

Templates <https://osf.io/zab38/wiki/home/>

Guides

- Registration guides: <https://help.osf.io/hc/en-us/categories/360001550953-Registrations>
- Creating a registration: <https://help.osf.io/hc/en-us/articles/360019738834-Create-a-Preregistration>

Additional templates

Haven, T. L., Errington, T. M., Gleditsch, K. S., van Grootel, L., Jacobs, A. M., Kern, F. G., Piñeiro, R., Rosenblatt, F., & Mokkink, L. B. (2020). Preregistering Qualitative Research: A Delphi Study. *International Journal of Qualitative Methods*, 19, 160940692097641. <https://doi.org/10.1177/1609406920976417>

Van den Akker, O., Weston, S. J., Campbell, L., Chopik, W. J., Damian, R. I., Davis-Kean, P., Hall, A. N., Kosie, J. E., Kruse, E. T., Olsen, J., Ritchie, S. J., Valentine, K. D., van 't Veer, A. E., & Bakker, M. (2019). Preregistration of secondary data analysis: A template and tutorial [Preprint]. *PsyArXiv*. <https://doi.org/10.31234/osf.io/hvfmr>

Part II: Archiving Materials and Data

FAIR Principles

- <https://www.go-fair.org/fair-principles/>

Licenses

- Creative Commons licenses: <https://creativecommons.org/licenses/>
- GNU General Public License: <https://www.gnu.org/licenses/licenses.html>
- GNU License Recommendations: <https://www.gnu.org/licenses/license-recommendations.html>
- GNU License List and Commentary: <https://www.gnu.org/licenses/license-list.html>

Repositories, Platforms, and Organizations

- Open Science Framework: <https://osf.io/>
- figshare: <https://figshare.com/>
- Git
 - GitHub: <https://github.com/>
 - GitLab: <https://about.gitlab.com/>
- rOpenSci: <https://ropensci.org/>

Data Sharing

Ellis, S. E., & Leek, J. T. (2018). How to Share Data for Collaboration. *The American Statistician*, 72(1), 53–57. <https://doi.org/10.1080/00031305.2017.1375987>

Gilmore, R. O., Kennedy, J. L., & Adolph, K. E. (2018). Practical Solutions for Sharing Data and Materials From Psychological Research. *Advances in Methods and Practices in Psychological Science*, 1(1), 121–130. <https://doi.org/10.1177/2515245917746500>

Code Style

<https://style.tidyverse.org/>

Part III: Stowing Down and Clearing Up: Preprints and Research Compendia

Preprint Servers

- PsyArXiv: <https://psyarxiv.com/>
- OSF Preprints: <https://osf.io/preprints/>

Sherpa Romeo

<https://v2.sherpa.ac.uk/romeo/>

Research Compendia

Marwick, B., Boettiger, C., & Mullen, L. (2018). Packaging Data Analytical Work Reproducibly Using R (and Friends). *The American Statistician*, 72(1), 80–88. <https://doi.org/10.1080/00031305.2017.1375986>

Organization

- OSF Guides
 - File organization: <https://help.osf.io/hc/en-us/articles/360019738994-Organizing-files>
 - File naming: <https://help.osf.io/hc/en-us/articles/360019931113-File-naming>
- Data Carpentry: <https://datacarpentry.org/>
 - <https://github.com/datacarpentry/rr-organization1>

Compendium Examples (Not Psychology, Unfortunately)

- <http://www.biostat.jhsph.edu/~rpeng/reproducible/>
- <https://aem.asm.org/content/81/16/5486> & https://zenodo.org/record/17804#.X_dXNBZwGUk

An Example Compendium: A Replication Experiment

- OSF Project: <https://osf.io/bkuwa/>
- Preprint: <https://psyarxiv.com/qjw7g/>

An Example Compendium (in progress): The CLIMR Project

- <https://climr.org/>
- <https://osf.io/ra3dp/>
- <https://github.com/RabbitSnore/CLIMR>