

Open Science Practices at APA

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Open Science in Psychology

- Data sharing not common practice for the field
- Sensitive data on vulnerable populations
- APA as standard setter for psychology





Open Science Badges

<https://osf.io/tvyxz/wiki/home/>

Open Science Badges: Types

- **Open Data:** All data necessary to reproduce the reported results that are digitally shareable are made publicly available
- **Open Materials:** All materials necessary to reproduce the reported results that are digitally shareable, along with descriptions of non-digital materials necessary for replication, are made publicly available.
- **Preregistered:** At least one study's design has been preregistered with descriptions of
 - the research design and study materials, including the planned sample size;
 - the motivating research question or hypothesis;
 - the outcome variable(s); and
 - the predictor variables, including controls, covariates, and independent variables.

* Results must be fully disclosed.



Why Badges?

“Open science badges are an important way for our journals to reflect soundness in scientific practice and data sharing. They are an incentive to researchers to share data and a sign to journal readers that data are available in an accessible location.”

–Dr. Rose Sokol-Chang, APA Journals Publisher



15		Open Data Badge	Editorial and Production	Open Data Badge	Remove Edit
16		Open Data: Protected Access Badge	Editorial and Production	Open Data: Protected Access Badge	Remove Edit
17		Open Materials Badge	Editorial and Production	Open Materials Badge	Remove Edit
18		Preregistration Badge	Editorial and Production	Preregistration Badge	Remove Edit
19		Preregistration Plus Analysis Badge	Editorial and Production	Preregistration Plus Analysis Badge	Remove Edit
20		Preregistration Badge (transparent changes notation)	Editorial and Production	Preregistration Badge (transparent changes notation)	Remove Edit
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25		Preregistration Plus Analysis Badge (transparent changes and data exist notation)	Editorial and Production	Preregistration Plus Analysis Badge (transparent changes and data exist notation)	Remove Edit

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Open Science Badges in EM

- Flag system
- Additional metadata fields
- Open Practices Disclosure Form

Where are we now?

Data

- 14 journals participating
- 51 badge applications, 36 awarded since 2018

Lessons Learned

- Mindful of sub-discipline
- Flexibility within minimum set of standards
 - Link to data set in author note
 - Data citation in references



Data Sharing

Why share data?

Authors



Citation



Credit



Collaboration

Community



Reuse



Replication

Society



Policy



Public faith

What is good data sharing?

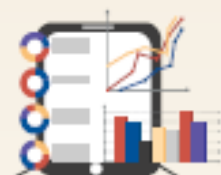


Share primary data
(rather than raw data)



Provide codebooks

Make shared data **FAIR**



Findable



Accessible



Interoperable



Reusable

How to share data?



Registry of Research
Data Repositories

APA repository in
partnership with the
Center for Open Science.



Resources for data sharing from APA
Publishing help promote scientific progress,
openness, and accountability in research.

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<https://www.apa.org/pubs/journals/resources/open-science>

<https://osf.io/tvyxz/>

