Open Science Practices at APA

Katie Einhorn, Peer Review Manager

American Psychological Association

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
21	○	Preregistration Plus Analysis Badge (transparent changes notation)	Editorial and Production	Preregistration Plus Analysis Badge (transparent changes notation)	Remove Edit
22	□	Preregistration Badge (data exist notation)	Editorial and Production	Preregistration Badge (data exist notation)	Remove Edit
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24	♣	Preregistration Badge (transparent changes and data exist notation)	Editorial and Production	Preregistration Badge (transparent changes and data exist notation)	Remove Edit
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

Update Item Order

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**

How to share data?

Registry of Research Data Repositories

APA repository in partnership with the Center for Open Science.

COS CENTER FOR OPEN SCIENCE

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

Katie Einhorn, Peer Review Manager
keinhorn@apa.org

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

https://osf.io/tvyxz/