

Editorial

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As editor of *Psychology of Men and Masculinity (PMM)*, and in consultation with the associate editors of *PMM* (Brendan Gough, Stephen R. Wester, and Y. Joel Wong), I have decided that *PMM* will participate in the Open Science Badges starting in 2018. Open Science Badges are an opportunity for researchers and scholars to participate in the scientific mission within psychology and other disciplines. To help scholars contribute to the reproducibility and transparency of our field, the Open Science Badges will be an option for published manuscripts.

These badges are just one way in which the editors of *PMM* help to ensure the rigor and quality of research. The Open Science Framework website describes scholarships and the Open Science Badges (<https://osf.io/tvyxz/wiki/home/>).

There is no central authority determining the validity of scientific claims. Accumulation of scientific knowledge proceeds via open communication with the community. Sharing evidence for scientific claims facilitates critique, extension, and application. Despite the importance of open communication for scientific progress, present norms do not provide strong incentives for individual researchers to share data, materials, or their research process. Journals can provide such incentives by acknowledging open practices with badges in publications.

There are circumstances, however, in which open practices are not possible or advisable. For example, sharing some human participant data could violate confidentiality. When badge criteria cannot be met, a description in place of the badge can articulate why. Badges do not define good practice; badges certify that a particular practice was followed. Disclosure makes explicit the conditions under which the ethic of openness is superseded by other ethical concerns. Here, we introduce three badges to acknowledge Open Data, Open Materials, and Preregistration:

- The Open Data badge is earned for making publicly available the digitally shareable data necessary to reproduce the reported results.
- The Open Materials badge is earned by making publicly available the components of the research methodology needed to reproduce the reported procedure and analysis.
- The Preregistered/Preregistered Analysis Plan Badge are earned for preregistering research.

Process

The process of Open Science Badges is voluntary and based on author self-disclosures in their cover letters. As stated on the Open Science Framework website, related to self-disclosures (<https://osf.io/tvyxz/wiki/2.%20Awarding%20Badges/>), disclosure requires authors to provide public statements, affirming the achievement of badge criteria. The certifying organization evaluates the disclosure before issuing the badge, but it does not do more than a cursory evaluation of the data, materials, or registration. Such a review might include confirming that the provided link leads to the data, materials, or registration on a public, open-access repository, and that the linked materials are related to the report. Authors follow criteria for each badge and complete disclosure items that will be made publicly available. Authors are accountable to the community for disclosure accuracy. Disclosure items are discussed in the following.

Open Data

Authors complete two disclosure items for each Open Data badge application:

1. Provide the URL, doi, or other permanent path for accessing the data in a public, open-access repository.
2. Is there sufficient information for an independent researcher to reproduce the reported results? If no, explain.

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Open Materials

Authors complete two disclosure items for each Open Materials badge application:

1. Provide the URL, doi, or other permanent path for accessing the materials in a public, open-access repository.
2. Is there sufficient information for an independent researcher to reproduce the reported methodology? If no, explain.

Preregistered/Preregistered + Analysis Plan

Authors complete five disclosure items for each Preregistered/Preregistered + Analysis badge application:

1. Provide the URL, doi, or other permanent path to the registration (and, if applicable, the analysis plan) in a public, open-access repository.
2. Was the plan registered before examination of the data or observing the outcomes? If no, explain.
3. Were there additional registrations for the study other than the one reported? If yes, provide links and explain.
4. For Preregistered + Analysis plan badge: Were there any changes to the preregistered analysis plan for the primary confirmatory analysis? If yes, explain.
5. For Preregistered + Analysis plan badge: Are all of the analyses described in the registered plan reported in the article? If no, explain.

APA also has provided a disclosure form here (<http://www.apa.org/pubs/authors/open-practices-disclosure-form.pdf>).

Summary

From January 2018, articles are eligible for Open Science Badges recognizing publicly available data, materials, and/or preregistration plans and analyses. These badges are awarded on a self-disclosure basis. If all criteria are met as confirmed by the editor, the form will then be published with the article as supplemental material. Authors should also note their eligibility for the badge(s) in the cover letter. For all badges, items must be made available on an open-access repository with a persistent identifier in a format that is time-stamped, immutable, and permanent. For the Preregistered badge, this is an institutional registration system. Data and materials must be made available under an open license, allowing others to copy, share, and use the data, with attribution and copyright as applicable.