What are Open Science badges?

3 types ...

- **Incentivize researchers** to share data, materials, or to preregister.
- Signal the content's **availability** and **accessibility** in a persistent location.
- Developed as a service in coordination with the **Center for Open Science**.

Adopting Open Science badges

Why?

- *Journal of Social Psychology* was the 3rd journal to offer these badges.
- Shows we value **scientific transparency**.
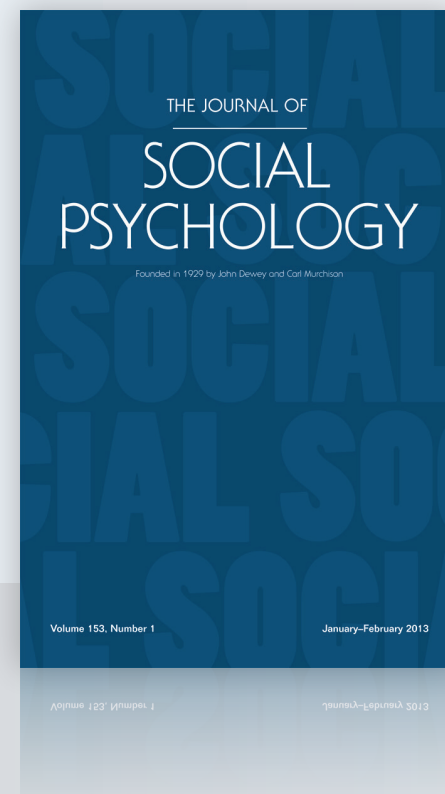- **Encourages more manuscript**s from authors who want to be **transparent**.

"We liked the idea of inviting authors to be more transparent with their research."

How?

Whilst earning badges is not required for manuscript acceptance, we provide instructions for interested parties.

1. Include badge instructions in **information for authors** on journal page.
2. Remind authors about badges in **revision and acceptance decision letters**.
3. **Send author a final query** asking if they will apply for badges after the manuscript is accepted but before completing the production checklist.
4. Prompt authors to consider sharing their data or materials

Only journal to ever award "peer reviewed" Open Science badges. These were discontinued because they took more effort than "self-disclosure" badges.
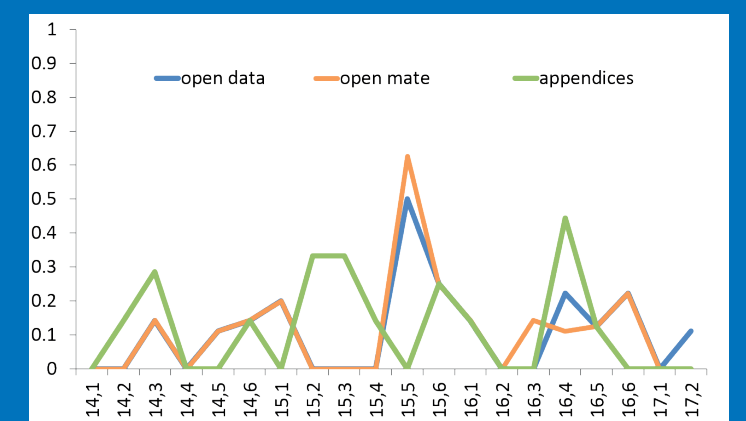
Open Science Badges

Jon Grahe

Managing Executive Editor of *The Journal of Social Psychology*

Open Science badge uptake

Over the first **3 years**, about **11%** of authors earned Open Science Badges.

0 APPLICATIONS for preregistered badges; a priori planning takes time.

The process of inviting authors to apply for open badges after their manuscript is accepted but before it is processed through production has increased **compliance above 50%**.

Editors valuing badges leads to higher rates of application. In Sources of Ostracism special issue, **almost 80%** applied and earned either Open Data or Open Materials badges; in Volunteerism special issue, **below 10% applied**.

Lessons from using Open Science badges?

1. Authors are willing to be **more transparent** if they are **invited to do so**.
2. Teaching authors how to make their data and materials publicly available **requires time**. Editors must learn how to use a repository and be ready to answer questions.
3. People often confuse preregistration with a preregistered report.

Next steps

All manuscripts will soon be required to earn an Open Materials badge in order to be published. Offering the badges was a nice first step before requiring them, enabling authors and readers to get used to the process.