

Promoting Open Science in Psychology: The Development of an Operational Checklist to Support Authors in Adopting Open Practices

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Open Science (OS) seeks to make scientific research more accessible, transparent, and reproducible by promoting practices such as open data and open methods. However, despite the growing importance of these practices, there is currently no comprehensive tool to systematically assess the extent to which research studies adhere to OS principles. The aim of this study was to develop an operational checklist to support authors in adopting Open Science practices within the field of psychology. To this end, we began by systematically reviewing existing OS literature to comprehensively gather and synthesize available guidelines, recommendations, and best practices. Out of 461 studies initially identified, 140 studies were included following PRISMA recommendations.

We identified and organized the main themes emerging from the current literature (e.g., reproducibility and multi-lab collaboration). For each identified theme, we mapped specific, actionable practices, ensuring that these were clearly defined and aligned with the best practices in the field. For example, under the theme of reproducibility, we outlined essential practices such as the open sharing of analysis code, data sharing, and preregistration of studies. Additionally, we accounted for the nuances in different research designs by tailoring practices to the specific needs of qualitative and quantitative studies.

In conclusion, based on the findings from the systematic review, this study provides a clear and actionable tool to assess and promote the adoption of OS practices in psychology. By offering clear and practical guidance, the checklist aims to support researchers in implementing transparent, reproducible, and accessible research practices in the field.

If you're submitting a symposium talk, what's the symposium title?

If you're submitting a symposium, or a talk that is part of a symposium, is this a junior symposium?

No

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