A BRIEF INTRODUCTION

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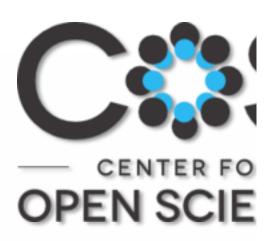
Slides can be downloaded from: https://osf.io/uq9jk/

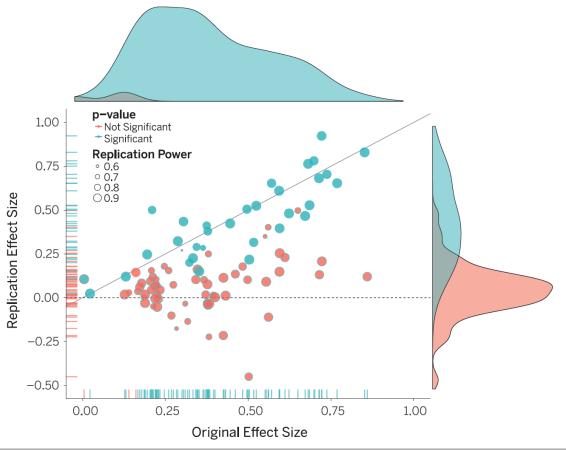
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SOME BACKGROUND





RESEARCH ARTICLE

Antecedents of Psychological Contract Breach: The Role of Job Demands, Job

, Roland Pepermans¹, Yannick Griep^{1,2}, Joeri Hofmans¹

ed Psychology, Work and Organizational Psychology research unit, 50 Brussel, Belgium, 2 Department of Psychology, University of st Calgary, AB T2N 1N4, Canada

Open Science
Collaboration. (2015).
Estimating the
reproducibility of
psychological science.
Science, 349(6251),
aac4716—aac4716.
https://doi.org/10.1126/science.aac4716



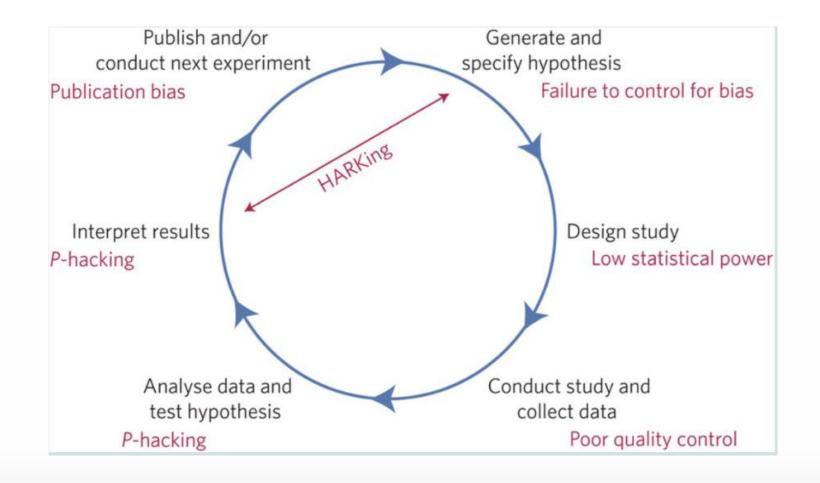
OPEN SCIENCE FRAMEWORK MISSION

Increase openness, reproducibility, and integrity of scientific research



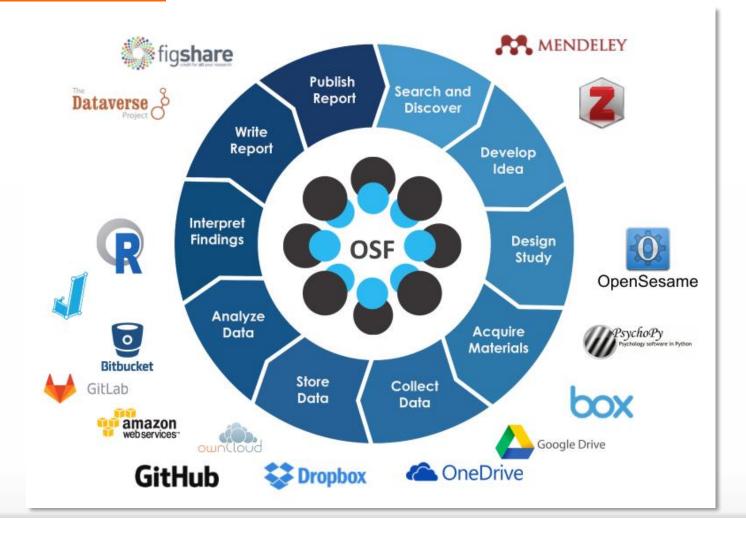
MISSION

Munafò, M. R., Nosek, B. A., Bishop, D. V., Button, K. S., Chambers, C. D., Du Sert, N. P., ... & Ioannidis, J. P. (2017). A manifesto for reproducible science. *Nature Human Behaviour*, 1(1), 0021.





RESEARCH LIFECYCLE





SOME BENEFITS

- Free
- Open-source
- Discipline agnostic
- Key tools:
 - Online projects
 - Data storage
 - Support for preregistration of research and registered reports
 - Preprint service
 - And much more...



PROJECTS

- Private (default) or public
- DOI
- Versatile components
 - Data files
 - Wiki pages
 - ..
- Link to preprints
- Link to preregistrations
- Recent activity
- Analysis of activity



Click on image to go to OSF project page



DATA STORAGE

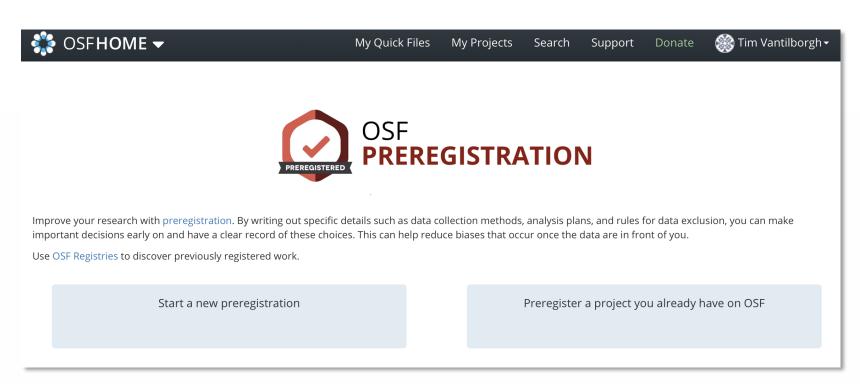
- Accepts all common filetypes
- Limit: individual files cannot be larger than 5GB
- Files render directly in browser
- Integrates with various software solutions (e.g., OneDrive, Google Drive, Dropbox, Github, ...)
- Automatic version control
- GDPR compliant!
- Back-ups made daily



PREREGISTRATION

Preregister your research

- Use existing template
- Add attachments
- Set embargo period or make public
- Approved by administrators



https://osf.io/prereg/



REGISTERED REPORTS

Submit a registered report

- After in-principal acceptance of study by journal
- Submit accepted preregistration plan

Simple Registered Report Protocol Preregistration



Registered Reports benefit science by improving rigor and reducing publication bias.

When to use this form:

Use this form after you have received "in principle acceptance" (IPA) by a journal following Stage 1 Peer Review, and before you have begun the study.

Submit your approved Registered Report

Preregister an analysis plan for an OSF Project

https://osf.io/rr/



PREPRINTS

- OSF preprints
- Various communities have partnered with OSF to support preprints, e.g.:
 - PsyArxiv
 - SocArxiv
 - engrXiv
- Want to know more Read OSF preprint FAQ: https://help.osf.io/hc/enus/articles/360019930493-Preprint-FAQs

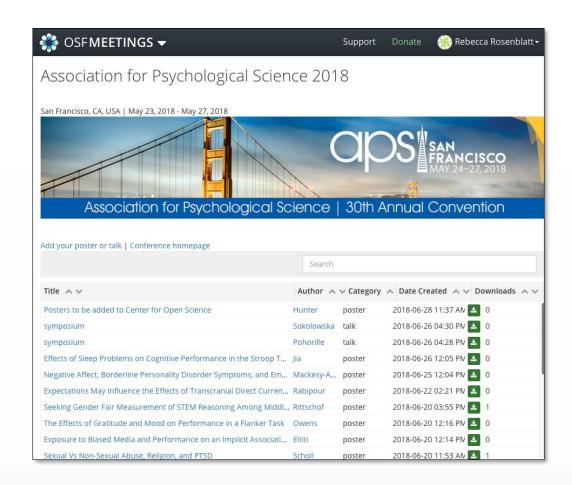


https://osf.io/preprints/



OSF MEETINGS

- Tool for conference organizers
- Gives attendees access to posters and talks
- Events get a dedicated page on OSF
 - Includes a submission system
- https://osf.io/meetings





TAKE AWAY MESSAGE

- If you want to adopt open science practices, then using OSF will help tremendously!
- Are there downsides?
 - Time?
- Using OSF has:
 - Helped me to be more transparent towards collaborators, peers, and the general public
 - Helped to get rid of poor version control
 - Helped me to make sense of analyses years later
 - Helped me to communicate ideas more directly
 - Helped me to reflect more on research ideas prior to running a study
 - Made me a better researcher

