

# Practical implementation of research data policies: Solutions using Dataverse

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# Data Policies and Incentives for Data Sharing

# The scientific community is establishing best practices for data publishing and replication



DATA ACCESS & RESEARCH TRANSPARENCY

## Transparency and Openness Promotion (TOP) Guidelines

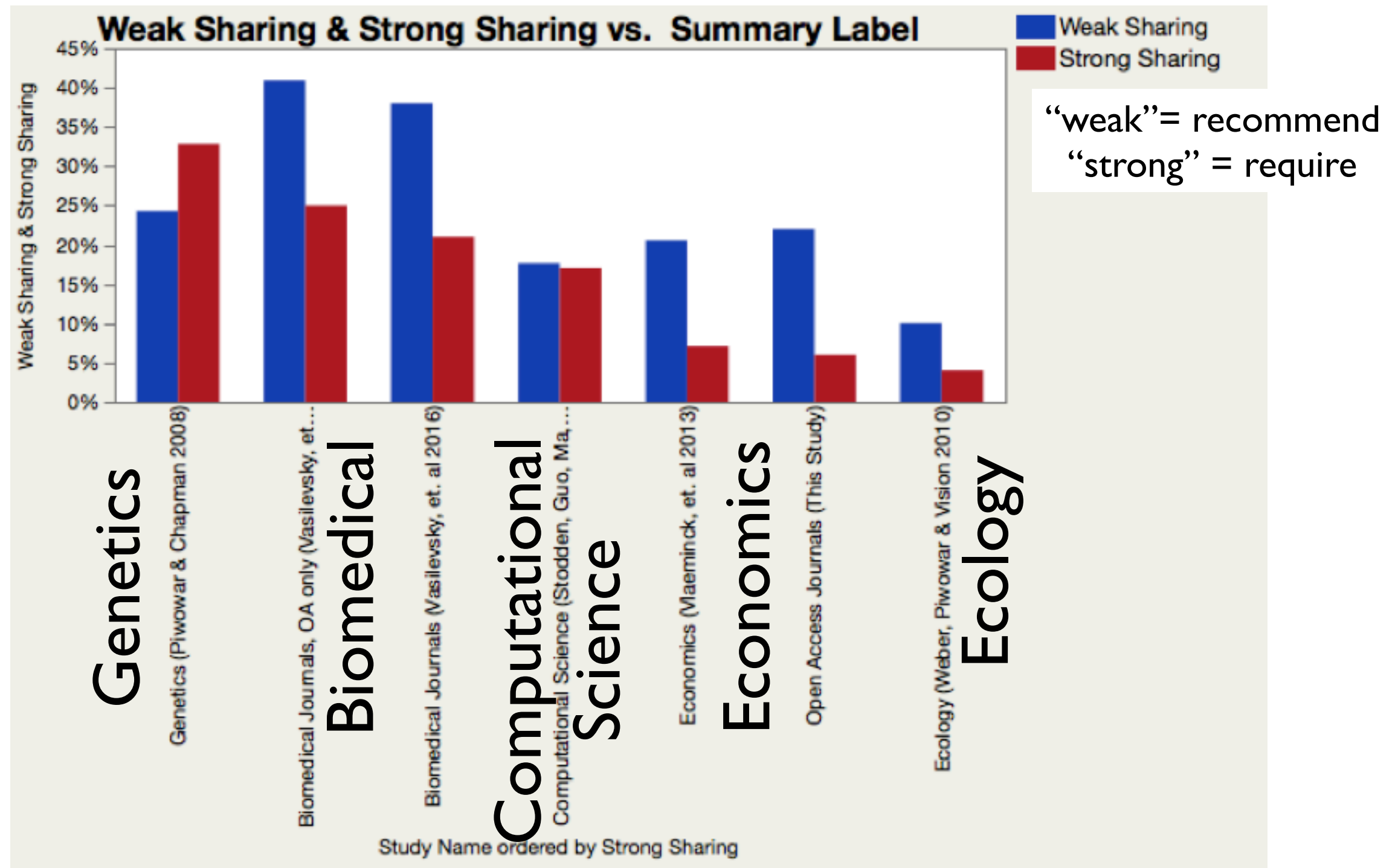
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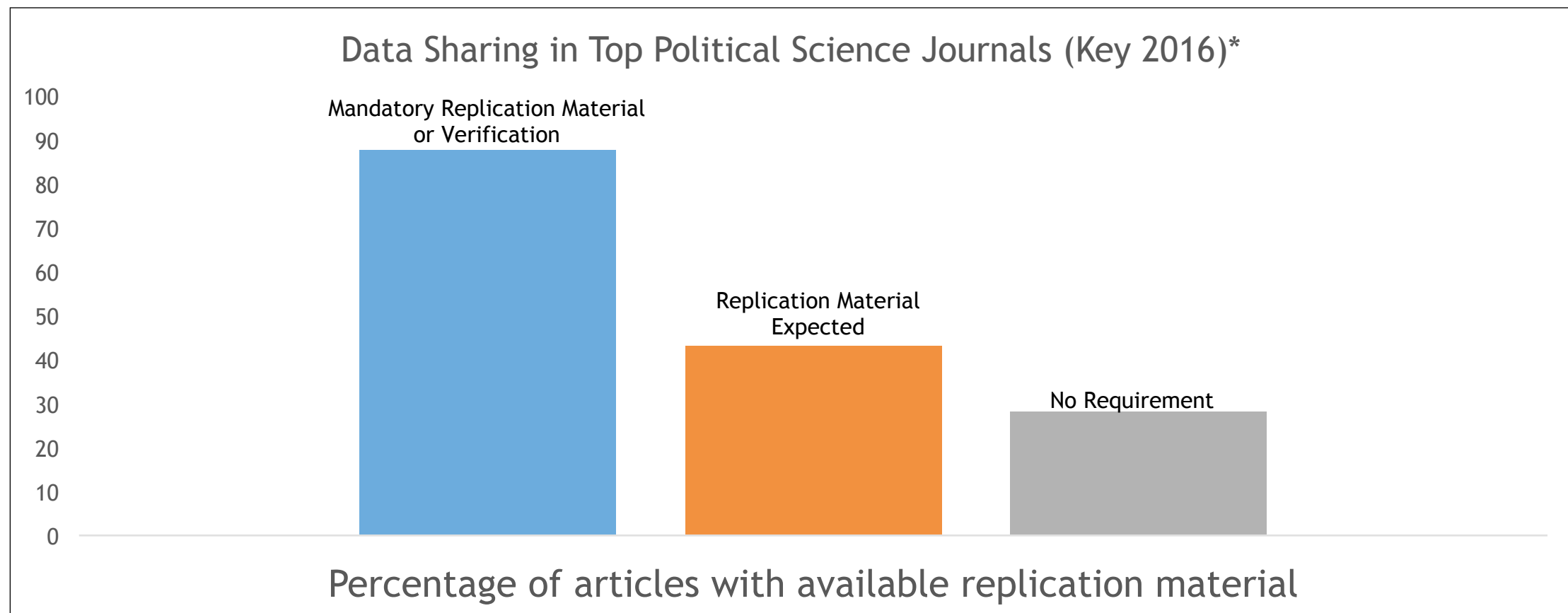
COPDESS

**Coalition for Publishing Data in  
the Earth and Space Sciences**

# Data policies adoption vary across disciplines

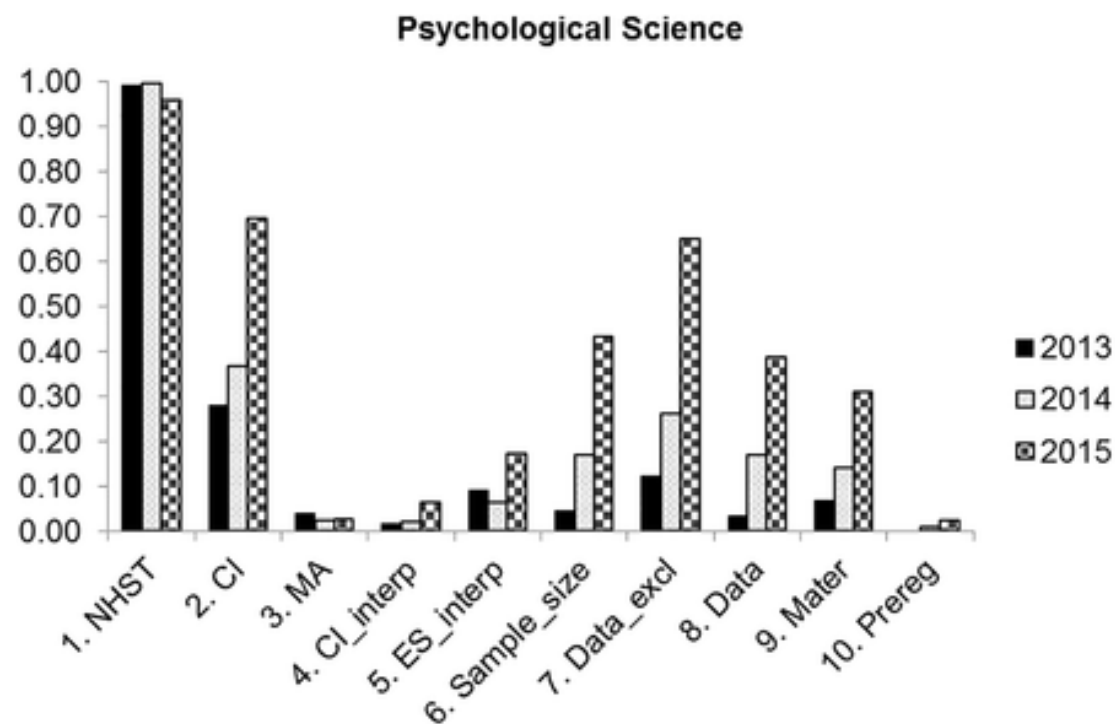


# Authors comply with strong data policies



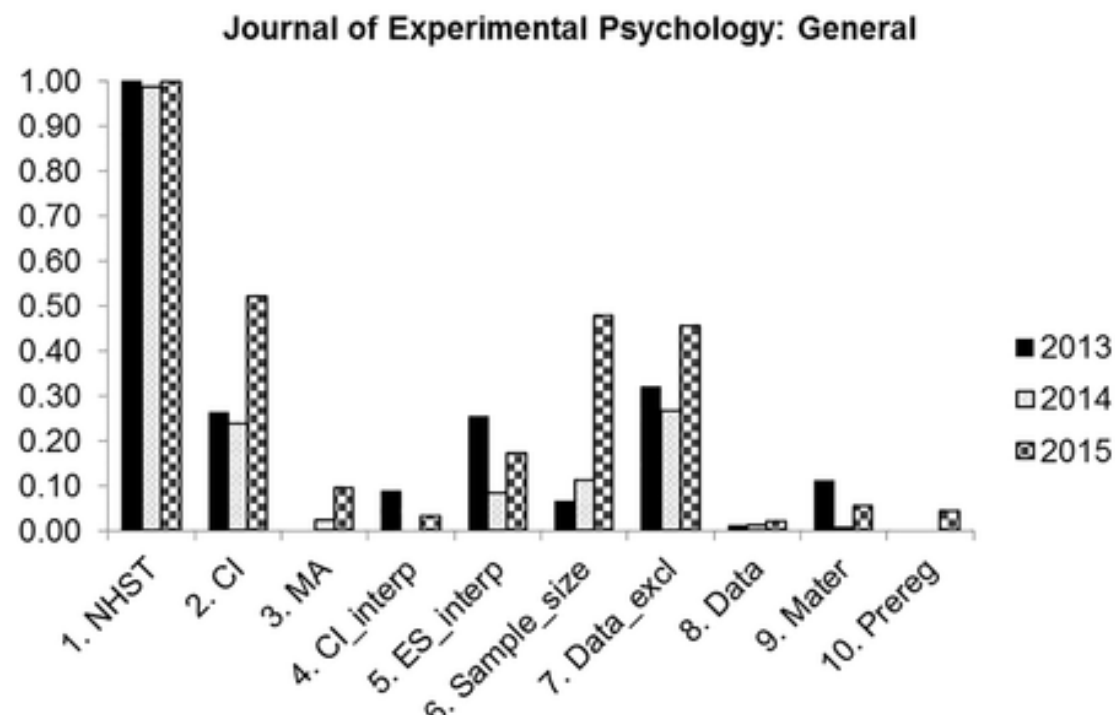
Recently, 27 political science journals adopted the Journals Editors' Transparency Statement

# Journal guidelines encourage open data practices



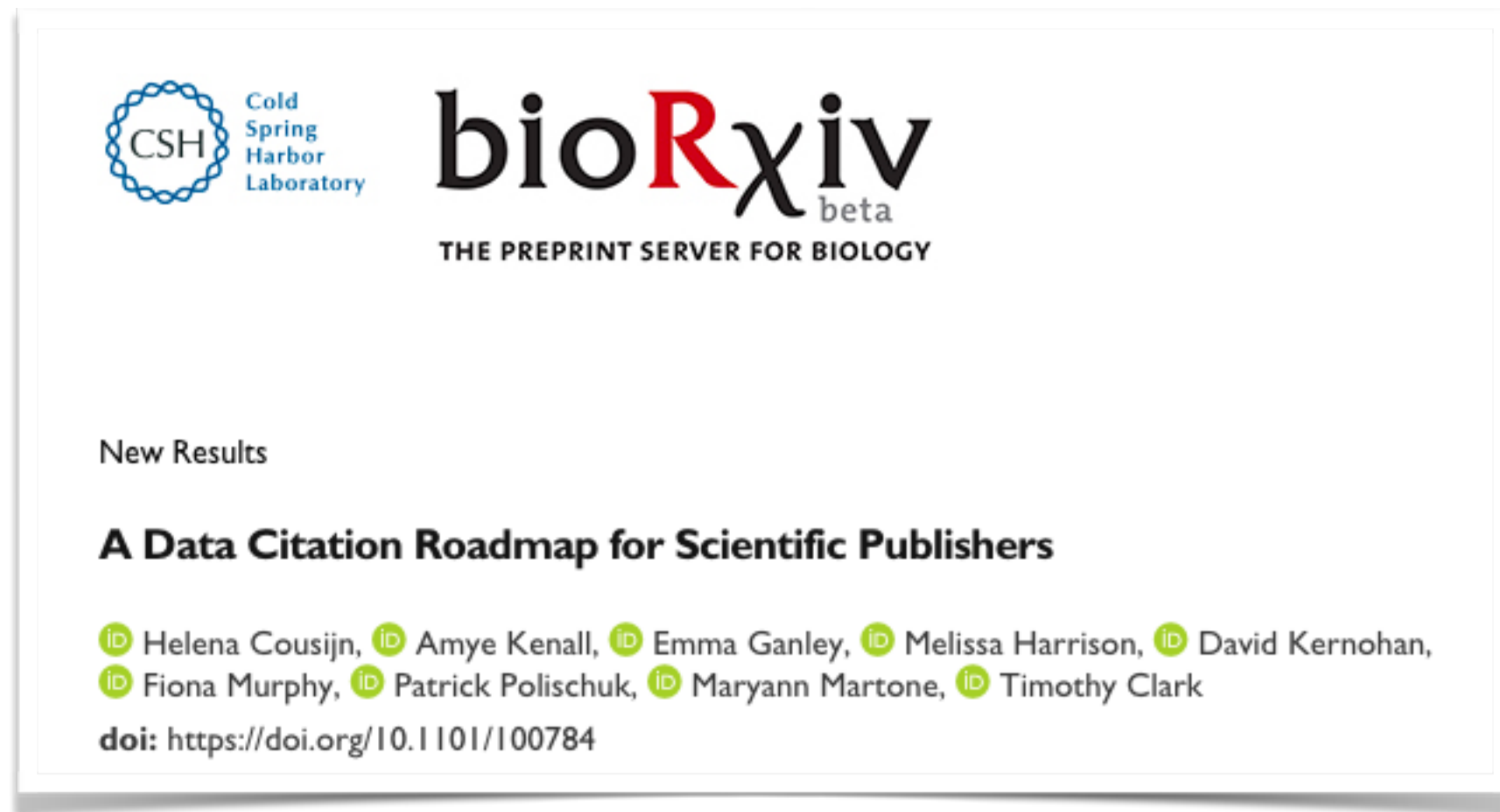
In Psychology Science:

- use of confidence intervals grows from 28% in 2013 to 70% in 2015
- **availability to open data, grows from 3% to 39%**



NHST = null hypothesis significance testing;  
CI = confidence intervals;  
MA = meta-analysis;  
CI\_interp = confidence intervals interpretation;  
ES\_interp = effect size interpretation;  
Data\_excl = exclusion criteria reported;  
Material = additional materials availability;  
Prereg = preregistered study.

# Useful recommendations in “data citation roadmap for publishers”

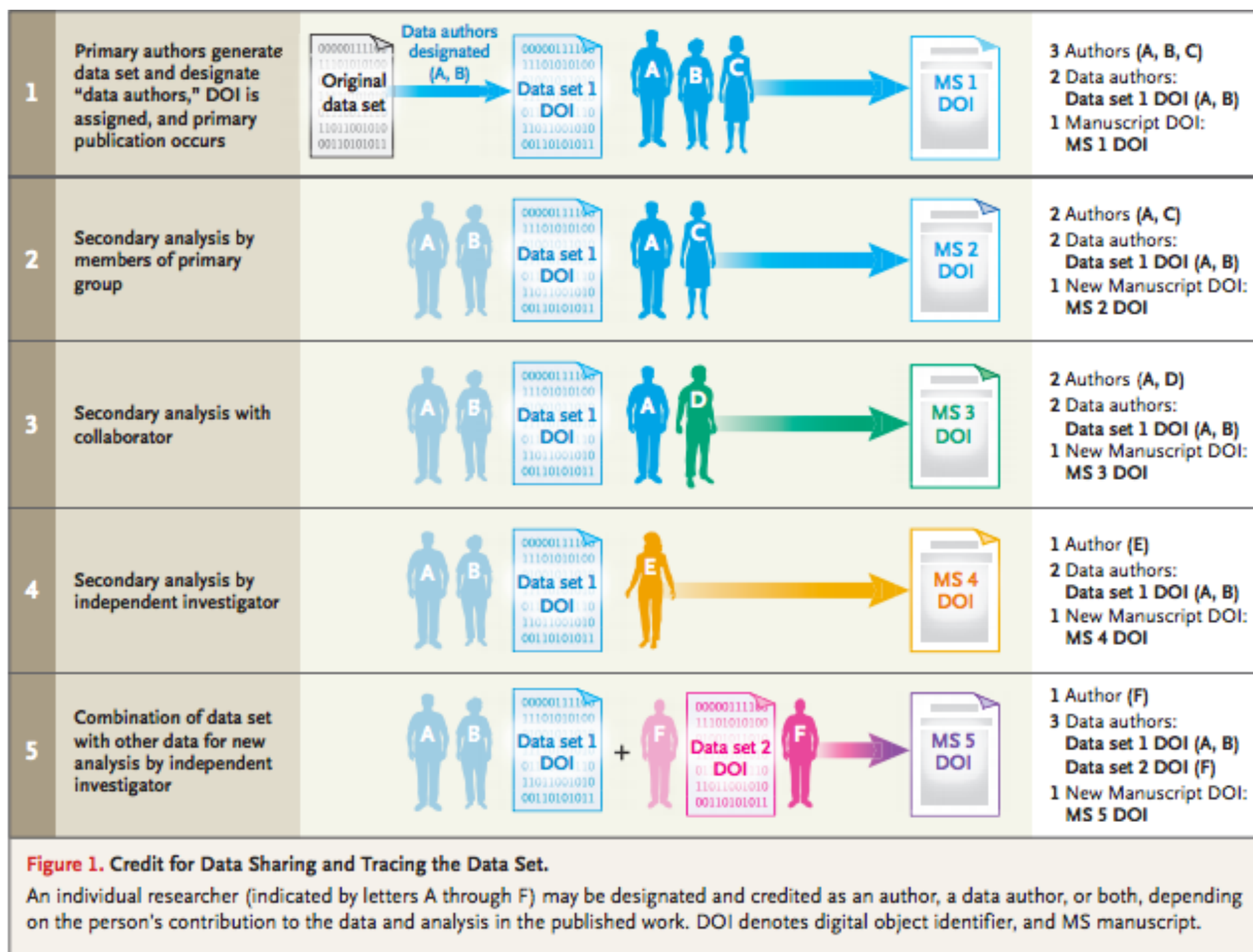


- Recommendations for publishers to support data policies, through pre-submission, submission, production, and publication phase.
- **Preference: Add data citation in *Reference list***

Results from BioCaddie Data Citation Implementation Pilot and Force I I Joint Declaration of Data Citation Principles



# Who are the data authors? Who gets credit?





# Solutions with Dataverse



Dataverse repositories are used around the world to publish research data ([dataverse.org](https://dataverse.org))

**Harvard Dataverse** is a public data repository open to any journal and data author to deposit their data ([dataverse.harvard.edu](https://dataverse.harvard.edu))

A screenshot of the Harvard Dataverse website. The header includes the Dataverse logo, navigation links (About, Guides, Support, Sign Up, Log In), and a search bar. Below the header, the Harvard Dataverse logo and name are displayed. A metrics bar shows 2,506,904 Downloads. The main content area features a search bar with the text "Search this dataverse..." and buttons for "Find" and "Advanced Search". On the left, there are filters for "Dataverses (2,173)", "Datasets (73,936)", and "Files (341,635)". Below these are filters for "Dataverse Category" (Research Project (624), Researcher (605), Organization or Institution (171), Journal (162), Research Group (33)) and "Metadata Source" (Harvested (51,644), Harvard Dataverse (24,465)). The main results area shows "1 to 10 of 76,109 Results". The first result is "Tree inventories and plant functional traits in coffee agroforestry systems of Hojancha - Costa Rica" by Ruiz, Pablo A.; Ordóñez, Jenny C.; Molina, Anabel; Bodegom, Peter M., 2017. The second result is "An Integrated Approach to Enterprise Architecture and Business Process Management at the USMEPCOM" by Renner, Michael; Plum, Shannon, 2017. The third result is "Replication Data for: 'Judging the Vapid and Hollow Charade'" by Bryan, Amanda, 2017.

# Dataverse supports multiple options for data submission from Journals

- Recommend **Harvard Dataverse** as one of the data repositories your journal supports
- Create a *journal dataverse*, and manage data submissions associated with your journal (there are ~160 journal dataverses in Harvard Dataverse repository)
- Integrate your journal system with Dataverse using the **data deposit API**

# Dataverse also provides options for data review

- Grant access to data reviewers in your journal dataverse
- Allow anonymous data review using a private URL for each dataset
- Set up extensive data and replication review with a third party (ODUM Institute at UNC)



ARTICLE

## The Elusive Search for Presidential Power

Fang-Yi Chiou, Lawrence S. Rothenberg

First published: 17 December 2013 [Full publication history](#)

DOI: 10.1111/ajps.12057 [View/save citation](#)

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Am score 8

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### Abstract

Unilateral presidential actions, such as executive orders, are widely c presidential power. However, is unilateral action evidence of unilateral executive acquiescence? We answer this by (1) specifying three comp different presidential discretion assumption and generating alternat the canonical item-response model to best measure executive-order comparing competing theoretical models to data for 1947–2002. The



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Volume 58, Issue 3  
July 2014  
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### Replication data for: The Elusive Search for Presidential Power

Rothenberg, Lawrence; Chiou, Fang-Yi, 2014, "Replication data for: The Elusive Search for Presidential Power",  
[doi:10.7910/DVN/26652](#), Harvard Dataverse, V3

[Cite Dataset](#) ▼

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#### Dataset Version: 3.0

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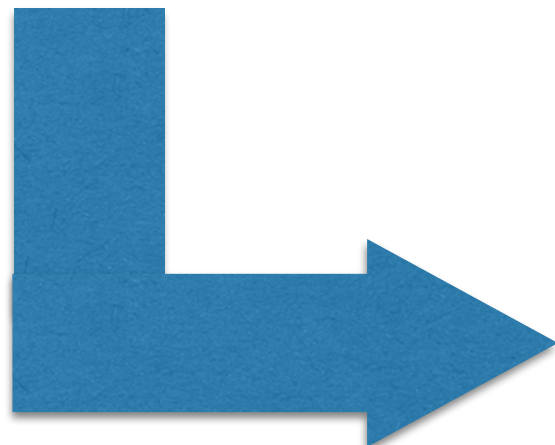
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From  
Journal  
Article



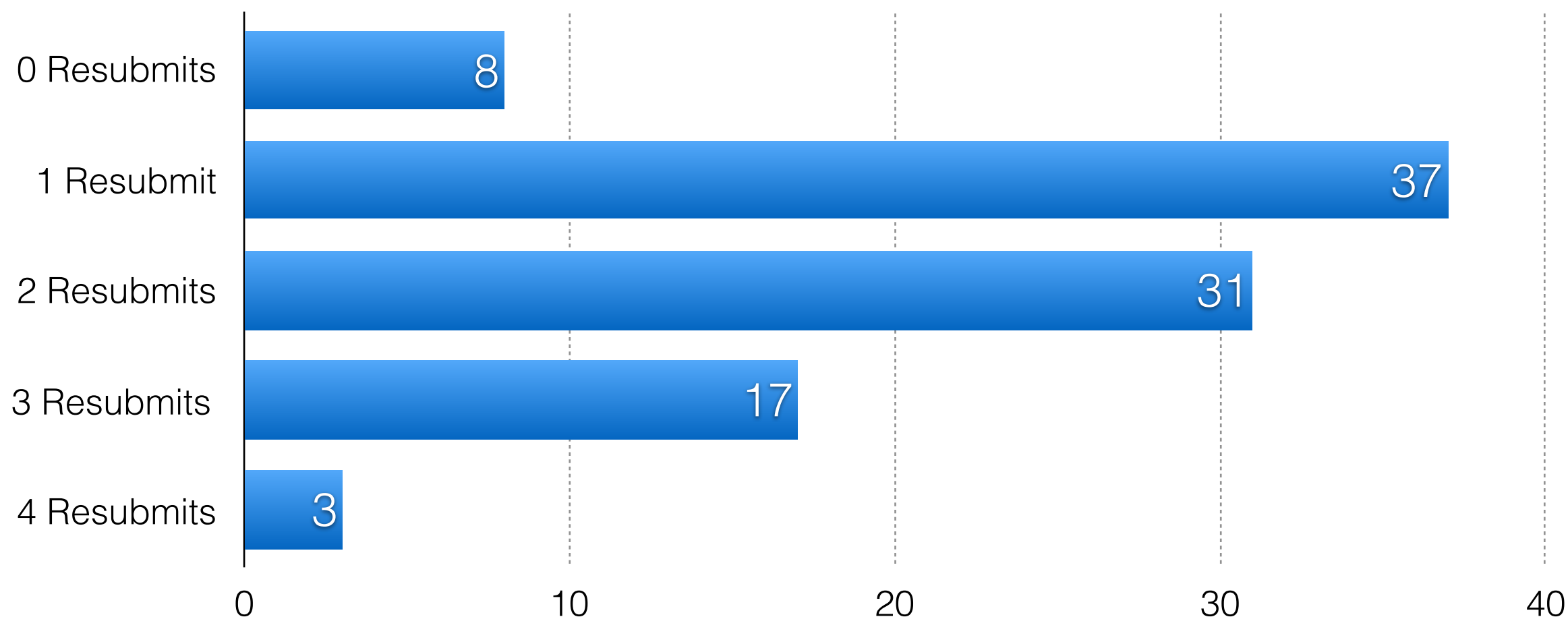
To Data

The  
**Dataverse**  
Project

# For AJPS: Replication review becomes part of the submission workflow



**Total: 95 completed verifications**



- At least, recommend
- If you can, require
- If you dare, review and replicate

# Thanks!

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