

General Challenges with Data Sharing: Perspectives from a Researcher/Repository Owner

Russell Poldrack
Stanford University



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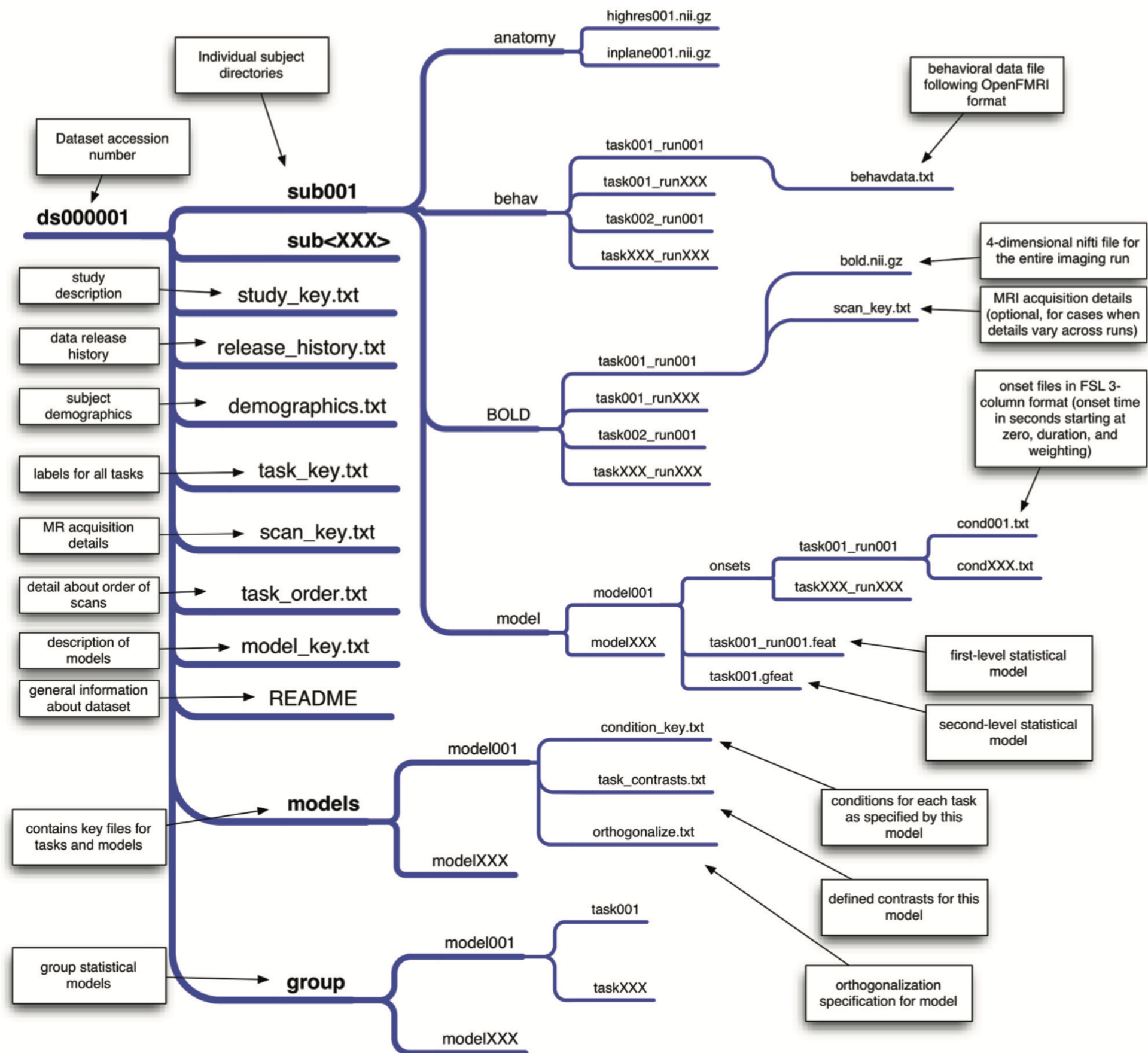
Freedom to Share

OpenfMRI.org is a project dedicated to the free and open sharing of raw magnetic resonance imaging (MRI) datasets.

Number of currently available datasets: 55

Number of subjects across all datasets: 1941

Launched 2010





OpenNEURO

A free and open platform for sharing MRI, MEG, EEG, iEEG, ECoG, and ASL data

 Sign in with Google  Sign in with ORCID

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531

Public Datasets

17422

Participants



Get Data

Browse and download datasets from contributors all over the world.



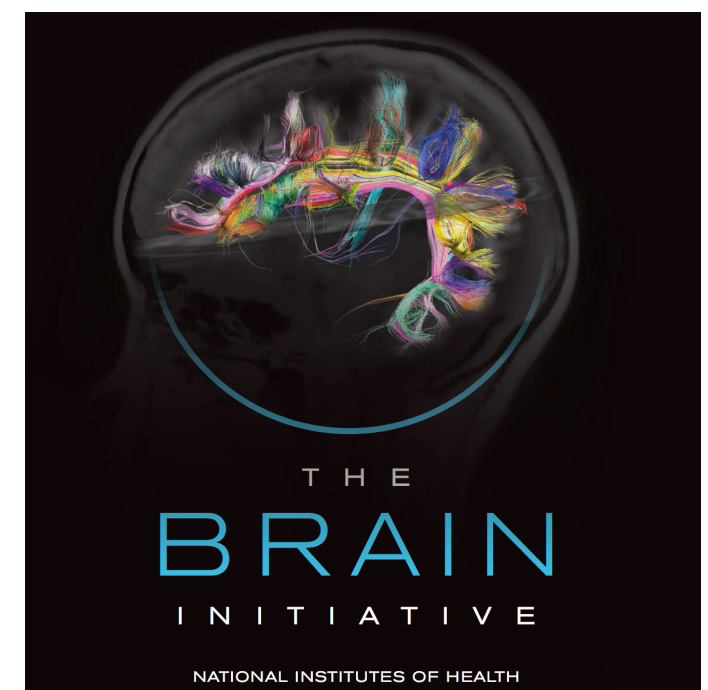
Share Data

Upload your data to an NIH Brain Initiative approved repository.



Use Data

Use our affiliated website to process applicable data.



Launched 2017

Brain Imaging Data Structure (BIDS)

- A community-based open standard for neuroimaging data
 - A file organization standard
 - A metadata standard
- Automated validation

SCIENTIFIC DATA

OPEN

SUBJECT CATEGORIES

» Data publication and
archiving
» Research data

**The brain imaging data structure,
a format for organizing and
describing outputs of neuroimaging
experiments**

Received: 18 December 2015

Accepted: 19 May 2016

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Krzysztof J. Gorgolewski¹, Tibor Auer², Vince D. Calhoun^{3,4}, R. Cameron Craddock^{5,6}, Samir Das⁷, Eugene P. Duff⁸, Guillaume Flandin⁹, Satrajit S. Ghosh^{10,11}, Tristan Glatard^{7,12}, Yaroslav O. Halchenko¹³, Daniel A. Handwerker¹⁴, Michael Hanke^{15,16}, David Keator¹⁷, Xiangrui Li¹⁸, Zachary Michael¹⁹, Camille Maumet²⁰, B. Nolan Nichols^{21,22}, Thomas E. Nichols^{20,23}, John Pellman⁶, Jean-Baptiste Poline²⁴, Ariel Rokem²⁵, Gunnar Schaefer^{1,26}, Vanessa Sochat²⁷, William Triplett¹, Jessica A. Turner^{3,28}, Gaël Varoquaux²⁹ & Russell A. Poldrack¹

Summary

- 40 Files, 18.42kB
- 13 - Subjects
- 1 - Session

Available Tasks

- rhyme judgment

Available Modalities

- bold
- T1w

Your dataset is not a valid BIDS dataset.

view 1 error in 23 files

view 1 warning in 4 files

<https://bids-standard.github.io/bids-validator/>



OpenNEURO

Upload Dataset



Step 1: Select Files

Step 2: Validation

Step 3: Metadata

Step 4: Accept Terms

We found 3 warnings in your dataset. You are not required to fix warnings, but doing so will make your dataset more BIDS compliant. Continue or fix the issues and select folder again.

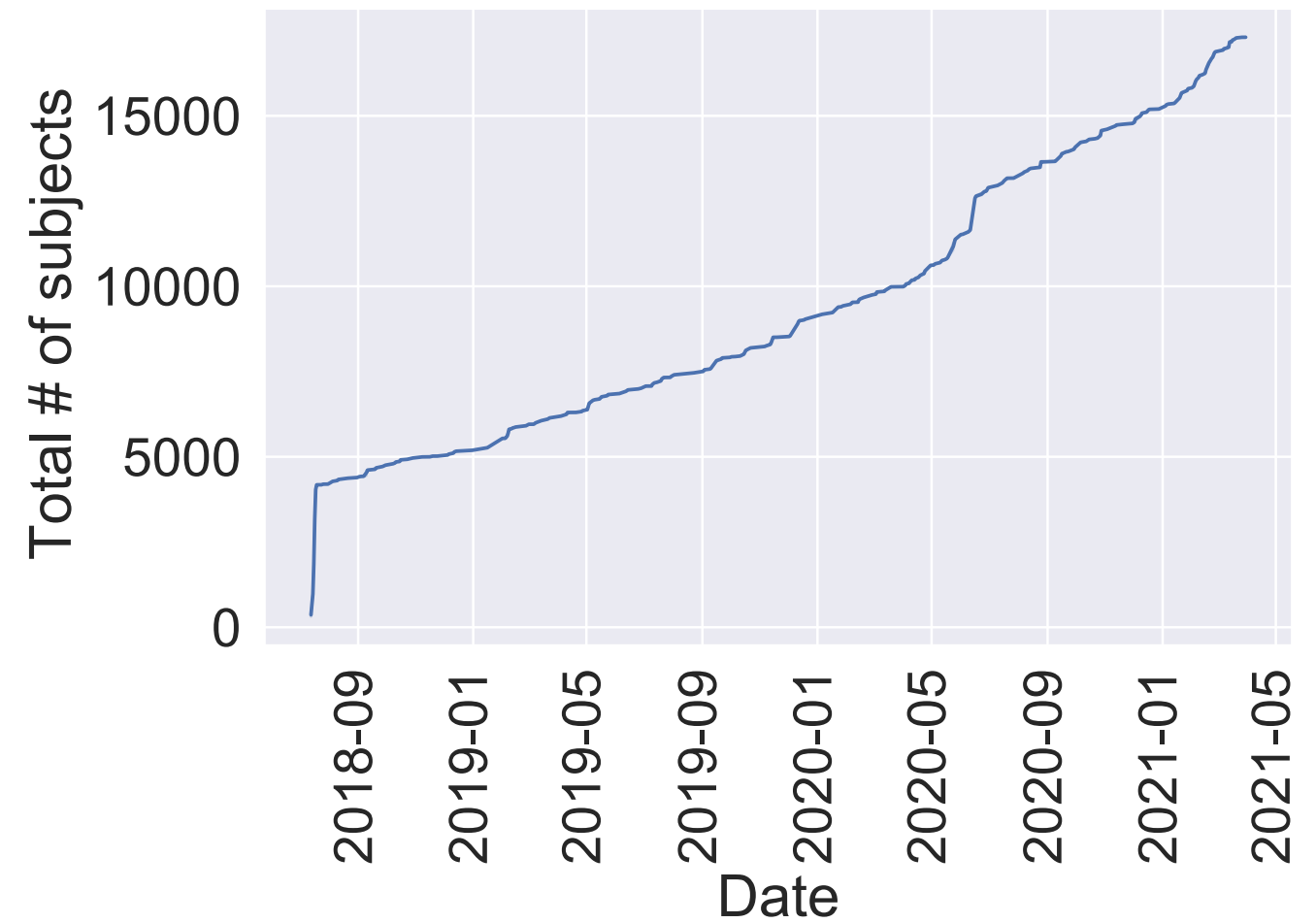
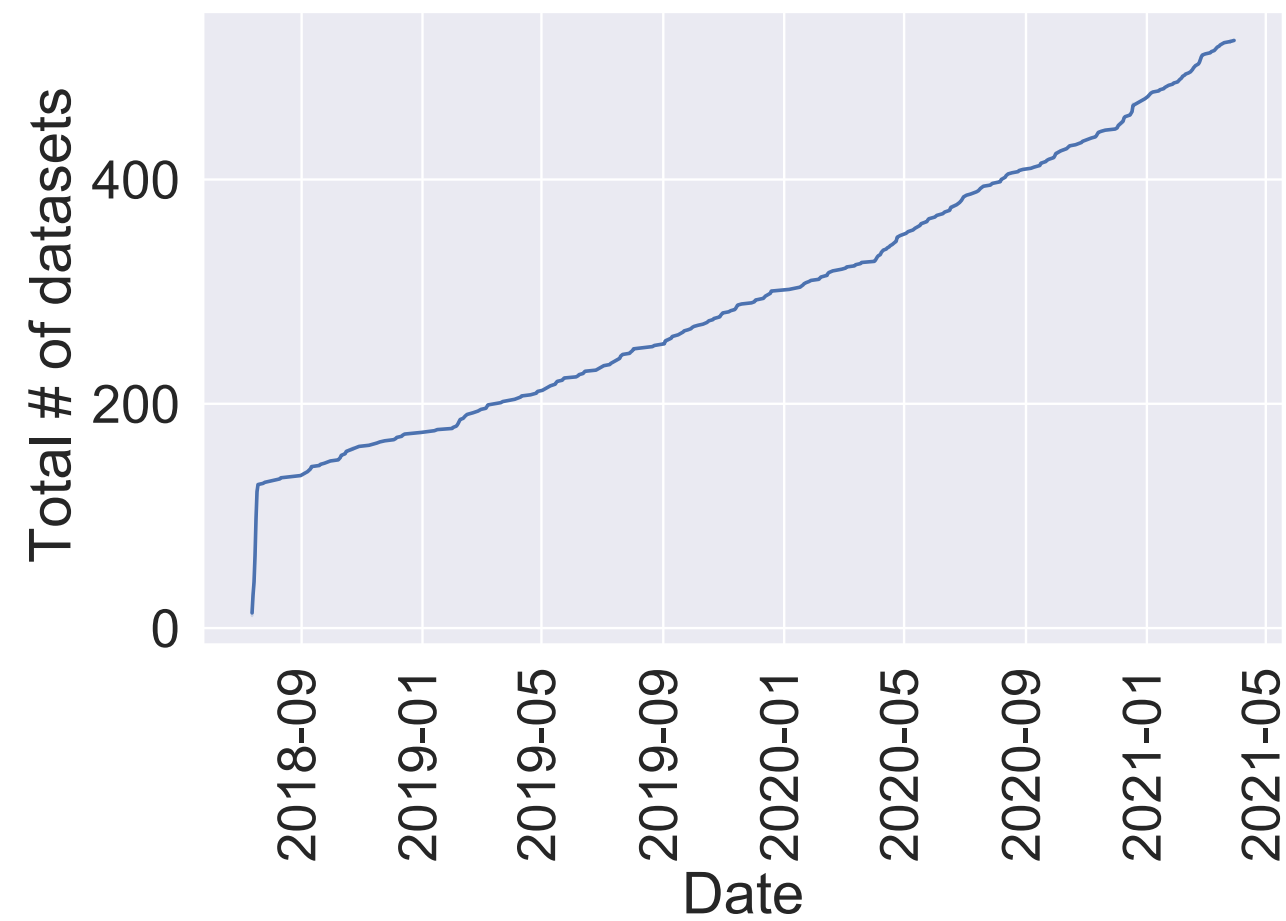
CONTINUE

VIEW 3 WARNINGS IN 12 FILES ▼

Click to view details on [BIDS specification](#)



OpenNEURO



The main challenge for researchers:
Incentives.

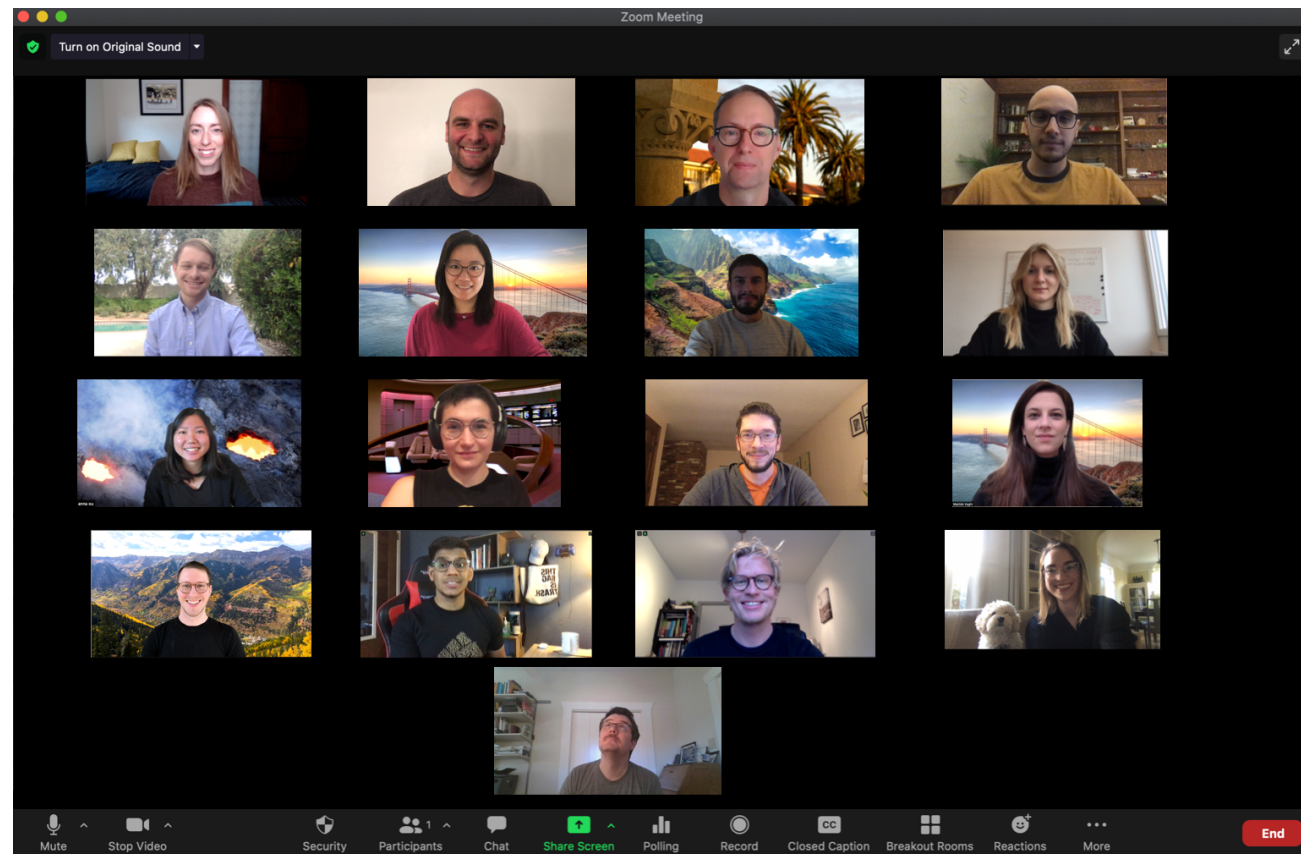
Why we need researcher-driven repositories:

Flexibility

The main challenge for researcher-driven
repositories:
Sustainability.

Thank you!

The Poldrack Lab



Chris
Gorgolewski
(Google)



Squishymedia

