

# Establishing a low-threshold data checkout system using REDCap, to facilitate preregistration and Registered Reports for pre-existing data

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## Registered Reports



## Registered Reports

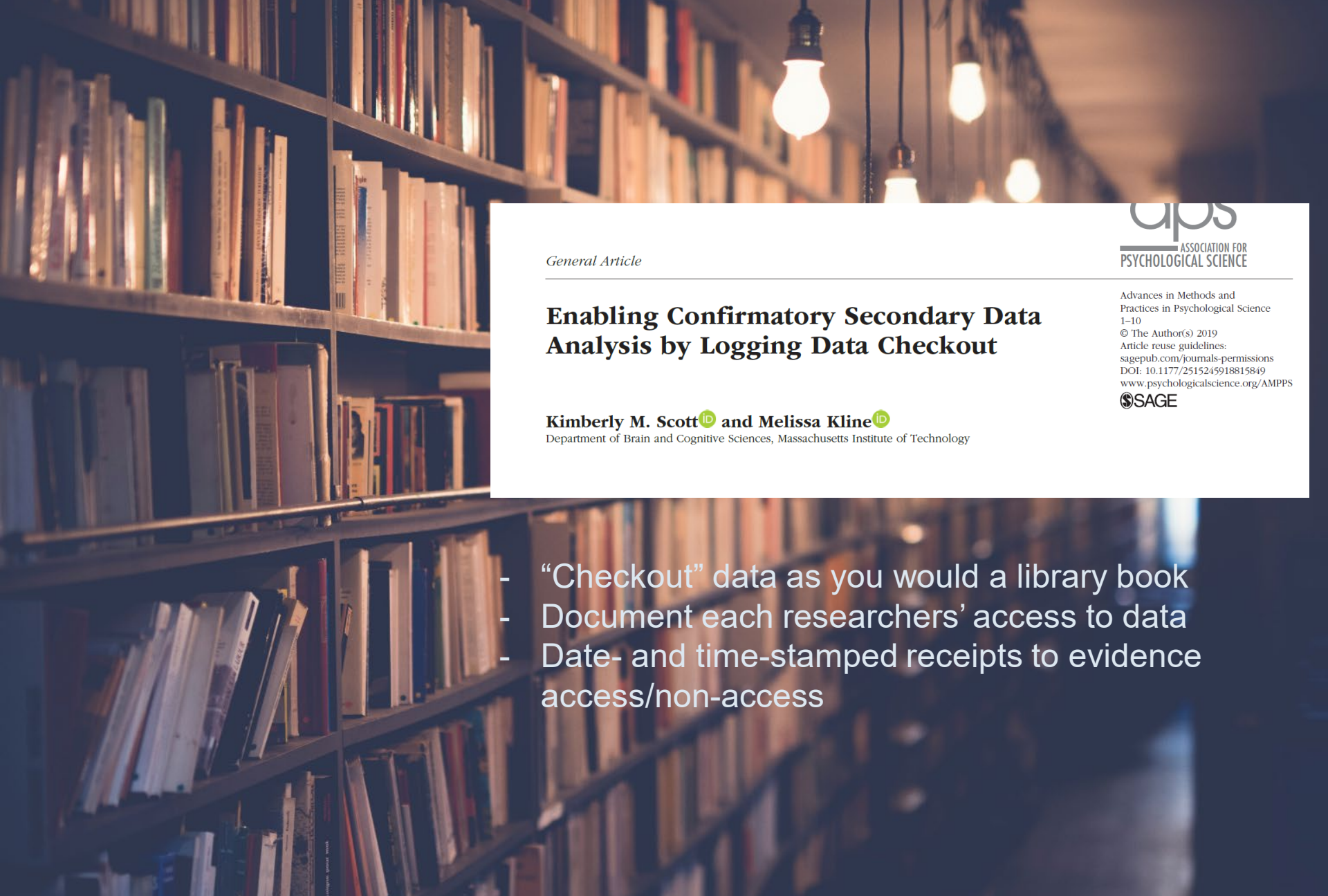
### What about pre-existing data?

- Possible
- Excellent template & tutorial for pre-existing data (van den Akker et al., 2019)
- Changing conceptualization of registration: "Registration continuum" (Benning et al., 2019)
- Possible, but need to prove data have not been accessed



# Schrödinger's data?





## Enabling Confirmatory Secondary Data Analysis by Logging Data Checkout

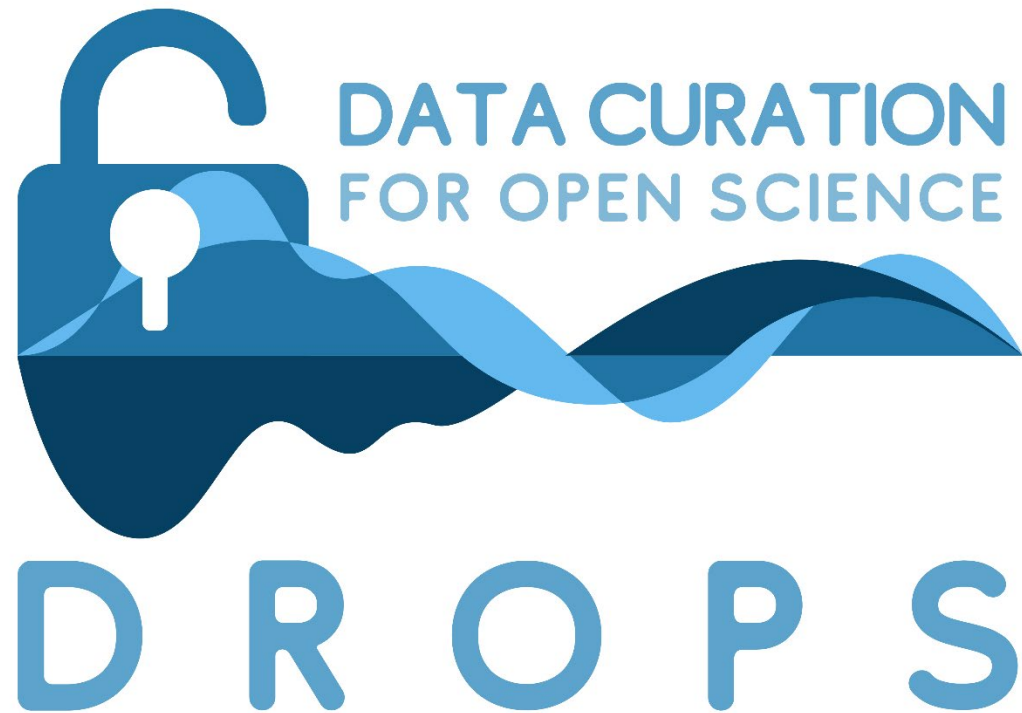
Kimberly M. Scott<sup>id</sup> and Melissa Kline<sup>id</sup>

Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology

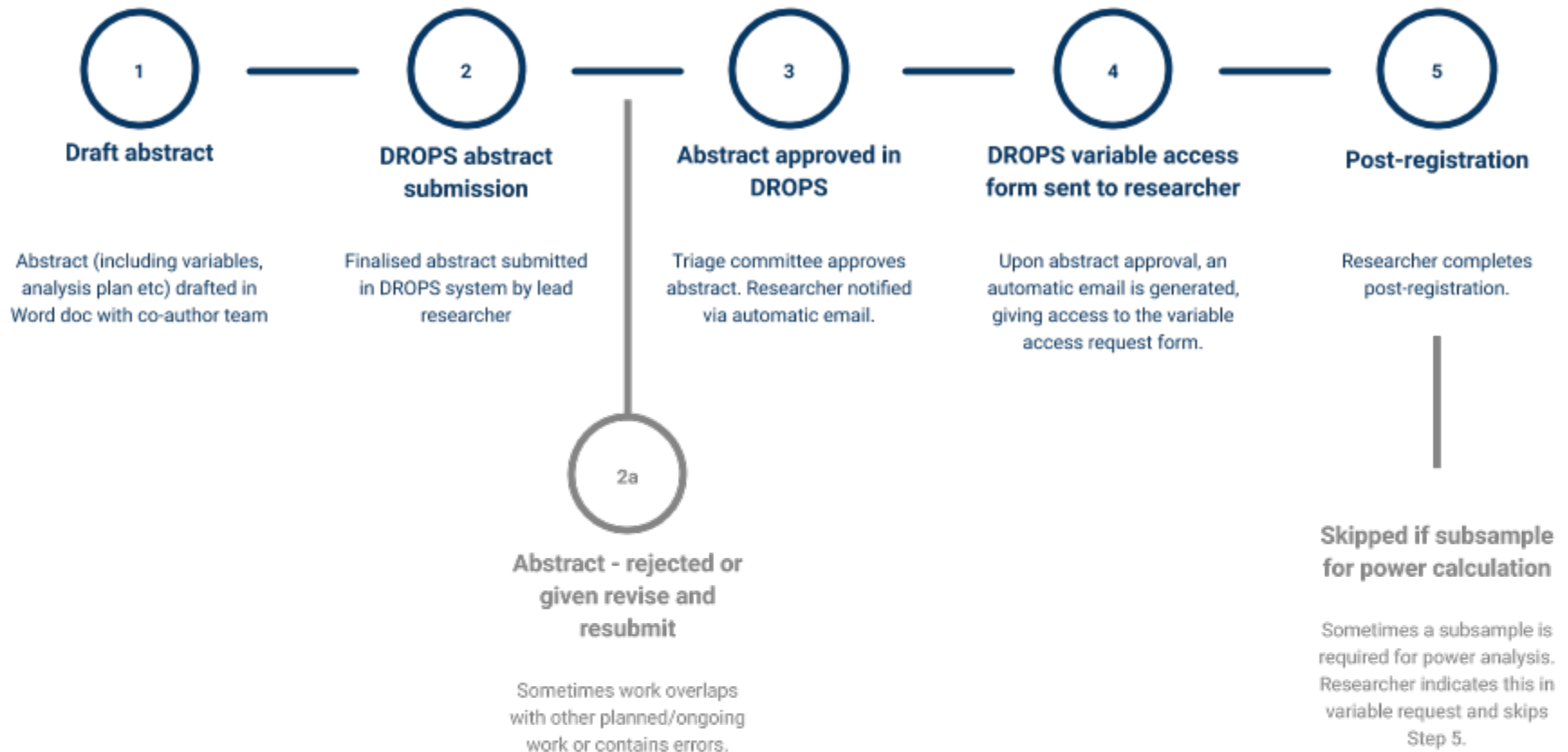
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- “Checkout” data as you would a library book
- Document each researchers’ access to data
- Date- and time-stamped receipts to evidence access/non-access

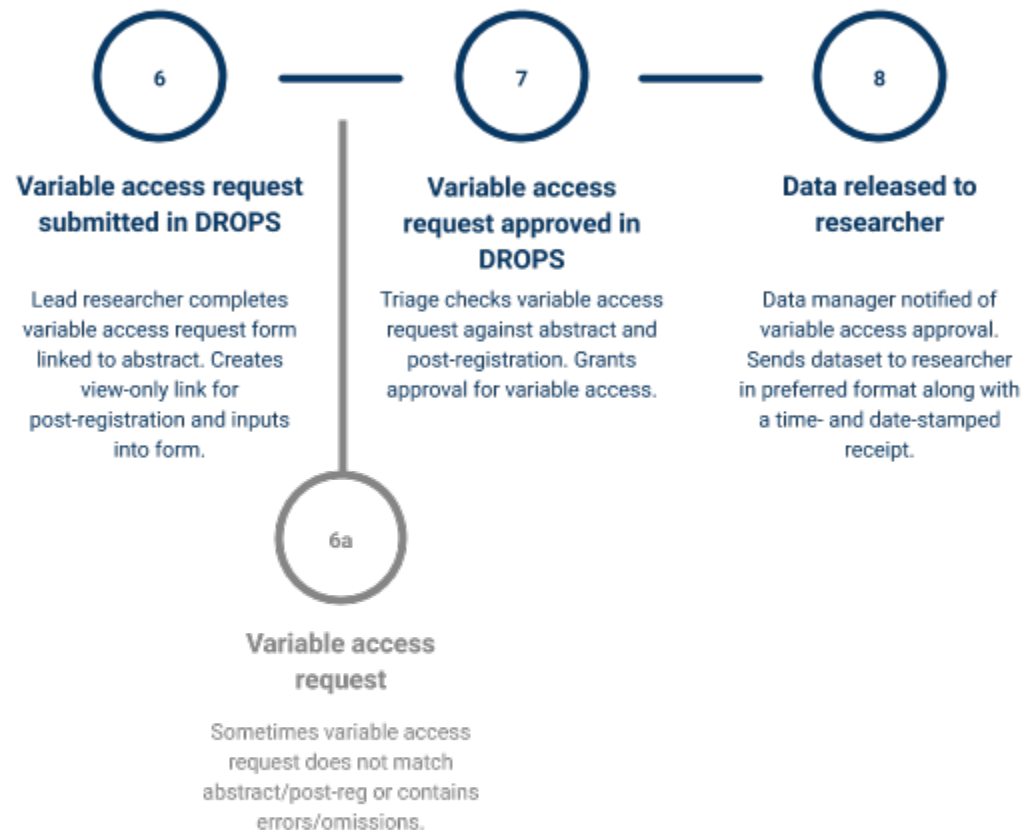


# How does DROPS work?





# How does DROPS work?



## 8) Background and rationale

\* must provide value

Expand

## 9) Hypotheses. Please number.

\* must provide value

Expand

## 10) Methods

**Sample (Please describe the sample you will be using, e.g. all participants aged 12 years old)**

Expand

## Abstract approval

Editing existing Record ID 8

|  |  |
|--|--|
| Record ID  | 8  |
| Abstract approved?<br><small>* must provide value</small>                            | <div><div><div>Yes</div><div>No</div><div>No - Revise and resubmit</div></div><div>reset</div></div> |
| Form Status  |  |
| Complete?  | <div>Complete ▼</div>  |
| <div>Save &amp; Exit Form</div> <div>Save &amp; Stay ▼</div> <div>-- Cancel --</div> |  |

**SIGMA: Data access receipt**

Name of lead researcher on current study: Olivia Kirtley

Lab: Center for Contextual Psychiatry

Institution: KU Leuven

Contact email address: olivia.kirtley@kuleuven.be


Names & affiliations of other researchers who will have access to these data as part of the current study: Achterhof, R., Hagemann, N., Hermans, K., Hiekkaranta, A. P., Myin-Germeyns, I. (All Center for Contextual Psychiatry, KU Leuven)

| Date       | Variables checked out | Dataset | Full sample or subsample?<br>(If subsample, please give details) | For which study/paper will these data be used?   |
|------------|-----------------------|---------|--|--|
| 20/08/2019 | AAS and EAS           | SIGMA   | Full sample  | Psychopathology and its relationship to selected social and demographic factors within Wave I of the SIGMA cohort: Initial analysis and description of dataset for Wave I report |

Previous access to variables from the dataset/prior knowledge of the dataset by lead and other researchers:

The following variables were checked out to Olivia Kirtley on 16/07/2019

| Date | Variables checked out | Dataset | Full sample | For which |
|------|-----------------------|---------|-------------|-----------|
|------|-----------------------|---------|-------------|-----------|

 Recoverable Signature

X Jolien Bynens

Jolien Bynens

Data Manager, Center for Contextual Psychiatry, ...

Signed by: jolien.bynens@kuleuven.be

OR

X

Dr Martien Wampers

Data Manager, Center for Contextual Psychiatry, ...

Once this receipt has been completed and signed by the data manager, this should be saved as a PDF document and sent to the lead researcher. This variable check-out receipt can then be uploaded to the OSF page for the project and/or submitted to the journal alongside the manuscript as a date and time-stamped record of data access. Only the variables detailed on the receipt can be released to the lead researcher of the study.

# Opportunities and challenges

- REDCap questionnaires and automatic emails fairly easy to set up and cost ~ €100
- System used successfully for post-registrations
- REDCap not always most user-friendly platform
- Non-automation is a strength and a limitation
- Dependent on having a data manager/responsible person for data

# Challenges



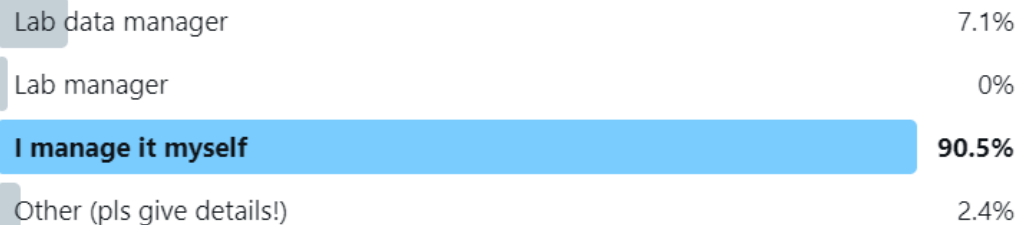
**Olivia Kirtley**  
@LivveyKirtley



Quick question about data management for a talk I'm giving next week:

Who manages (stores) the data you collect during your research?

Pls RT! [#datamanagement](#) [#OpenScience](#)



42 votes · Final results

2:18 PM · Dec 2, 2020 · Twitter Web App

# Where next for DROPS?

- Refining the system
- Continued testing through usage
- Developing better overviews of data