

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

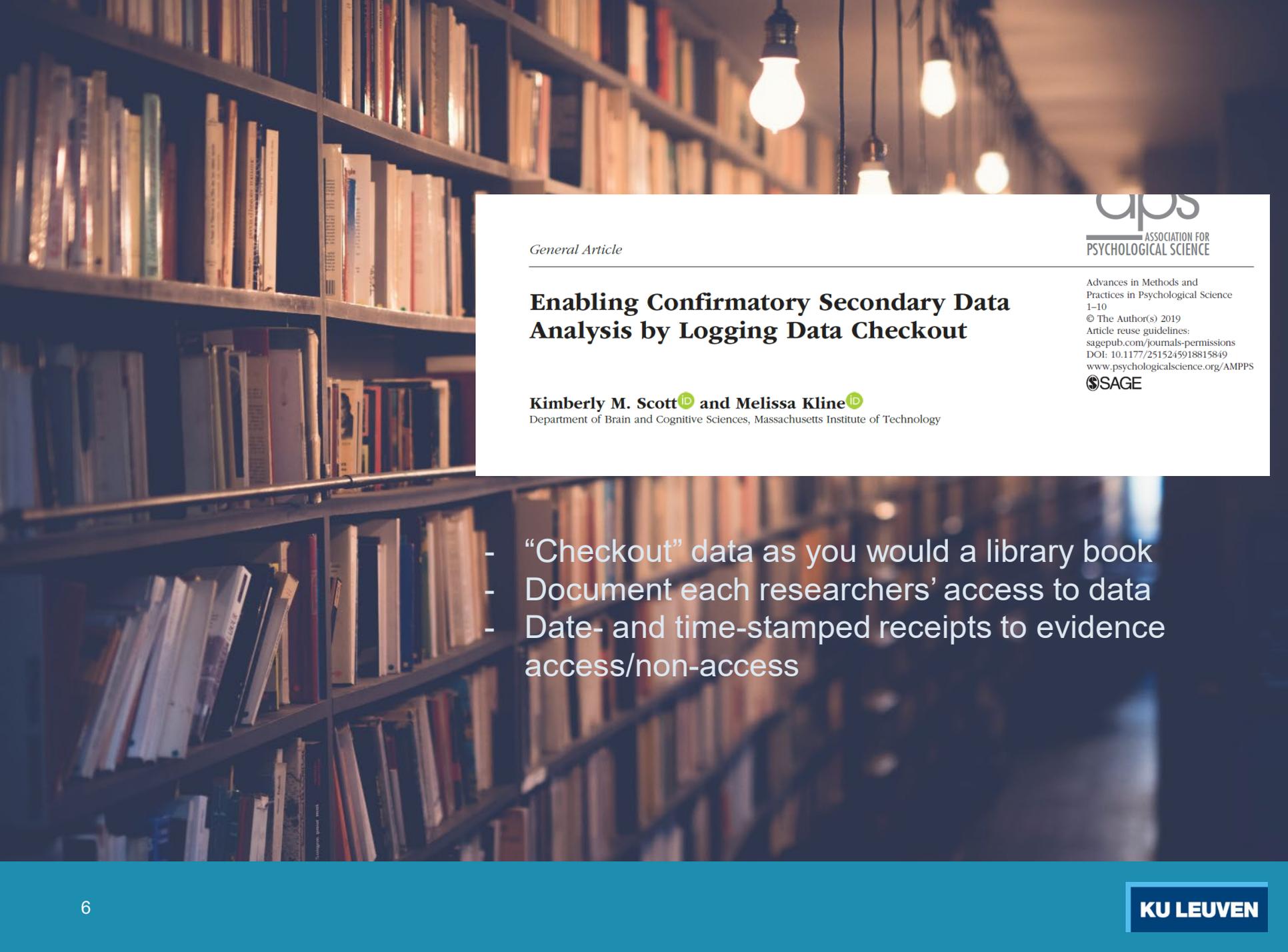
What about pre-existing data?

- 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?





General Article

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Enabling Confirmatory Secondary Data Analysis by Logging Data Checkout

Kimberly M. Scott  and Melissa Kline 

Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology

Advances in Methods and
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1–10

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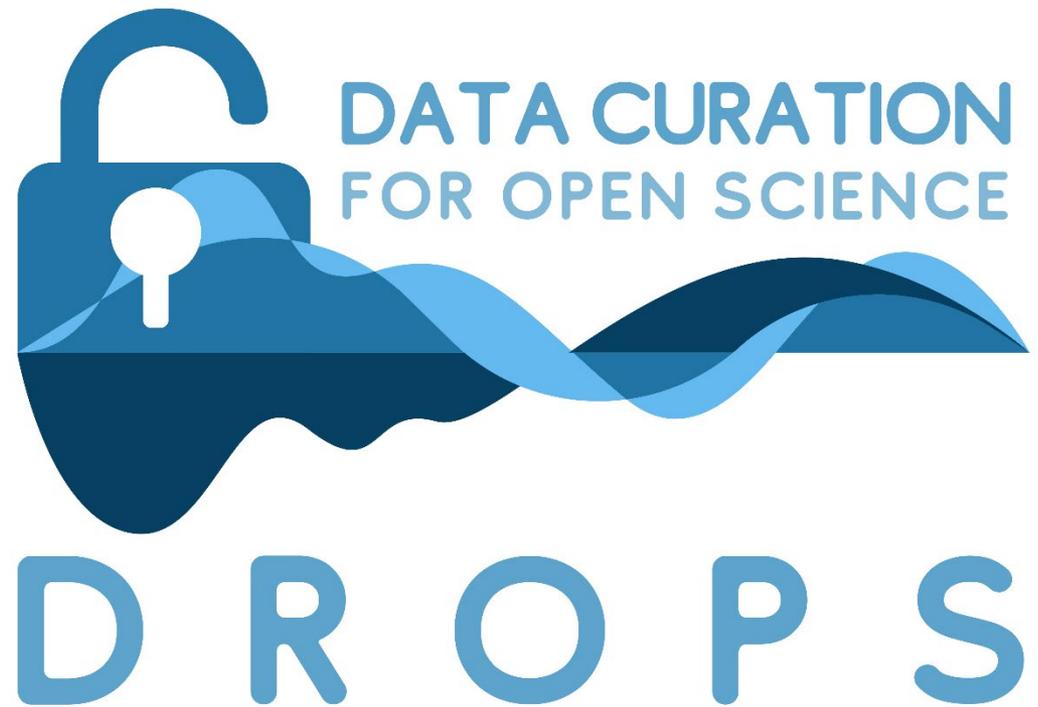
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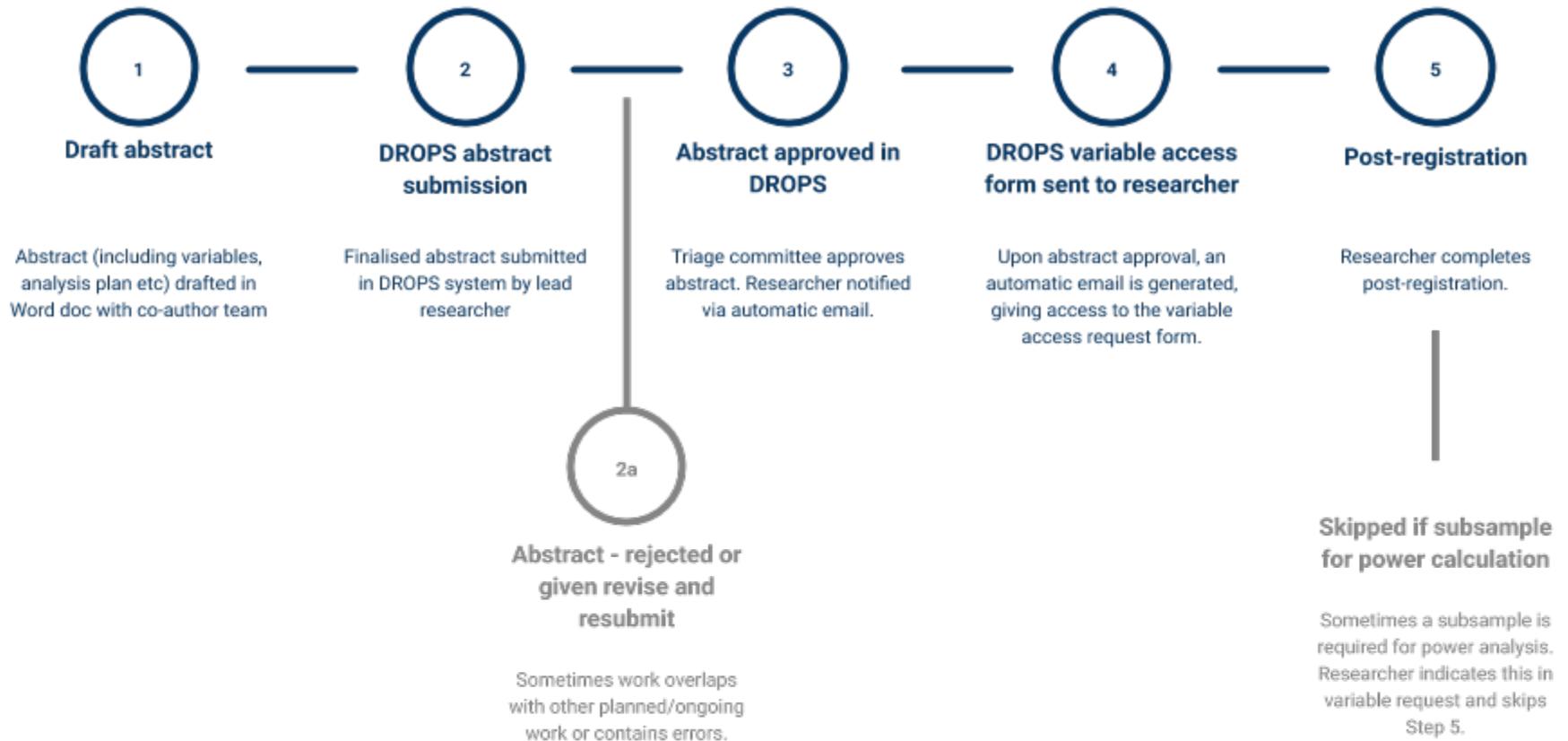
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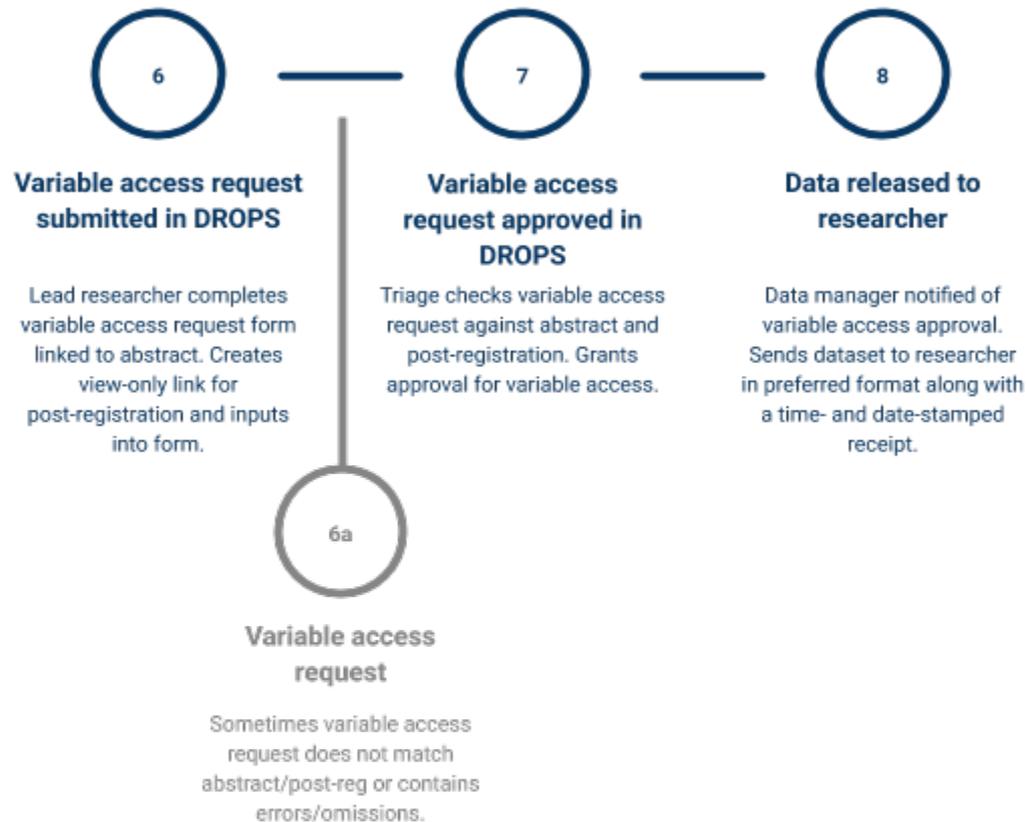
- “Checkout” data as you would a library book
- Document each researchers’ access to data
- Date- and time-stamped receipts to evidence access/non-access



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? <small>* must provide value</small>	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> No - Revise and resubmit
Form Status	
Complete?	<input type="text" value="Complete"/> 

Save & Exit Form **Save & Stay** 

-- Cancel --

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? (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
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 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
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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](#)



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Where next for DROPS?

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