

# Integrated Public Open Science Infrastructure Tools and Services at

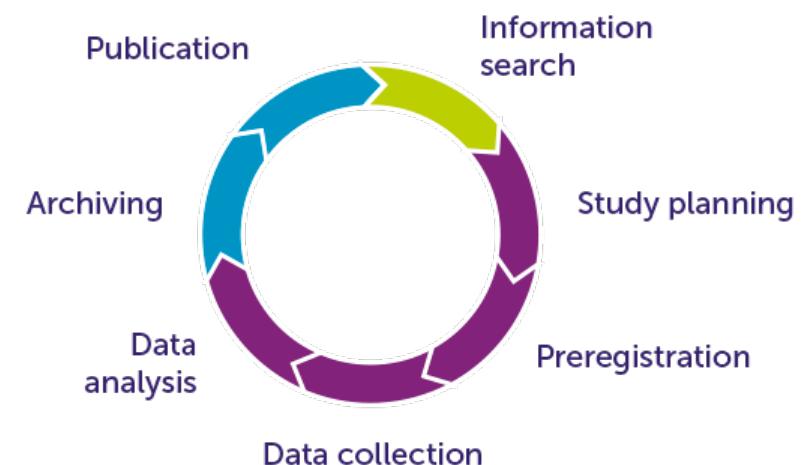


**leibniz-psychology.org**

March 14, 2019

Michael Bosnjak

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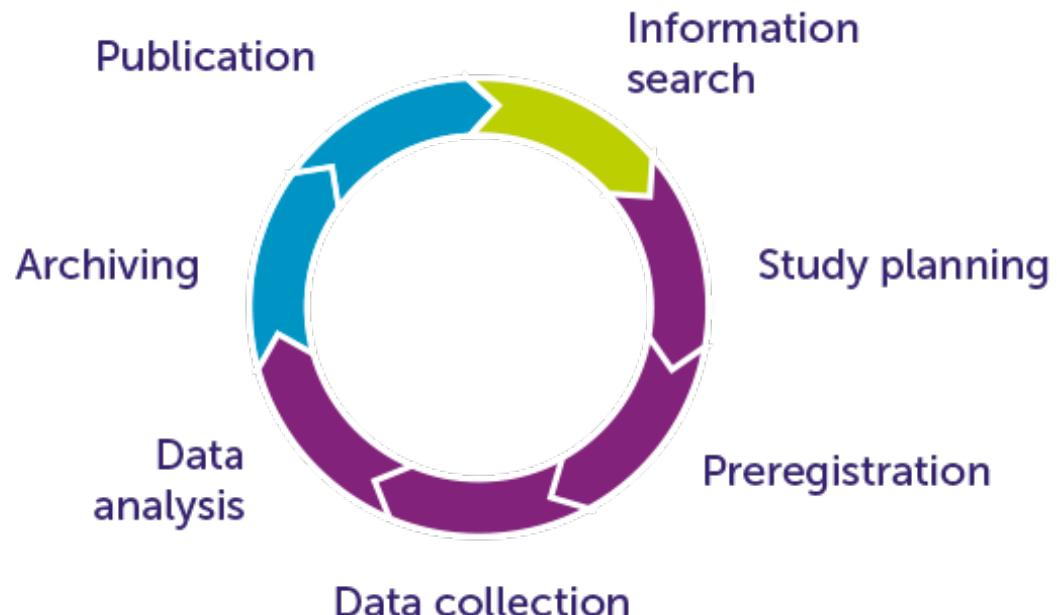


# Agenda

- Presenting the mission of ZPID – Leibniz Institute for Psychology Information
- Current (available) and future tools and services
- Discussion

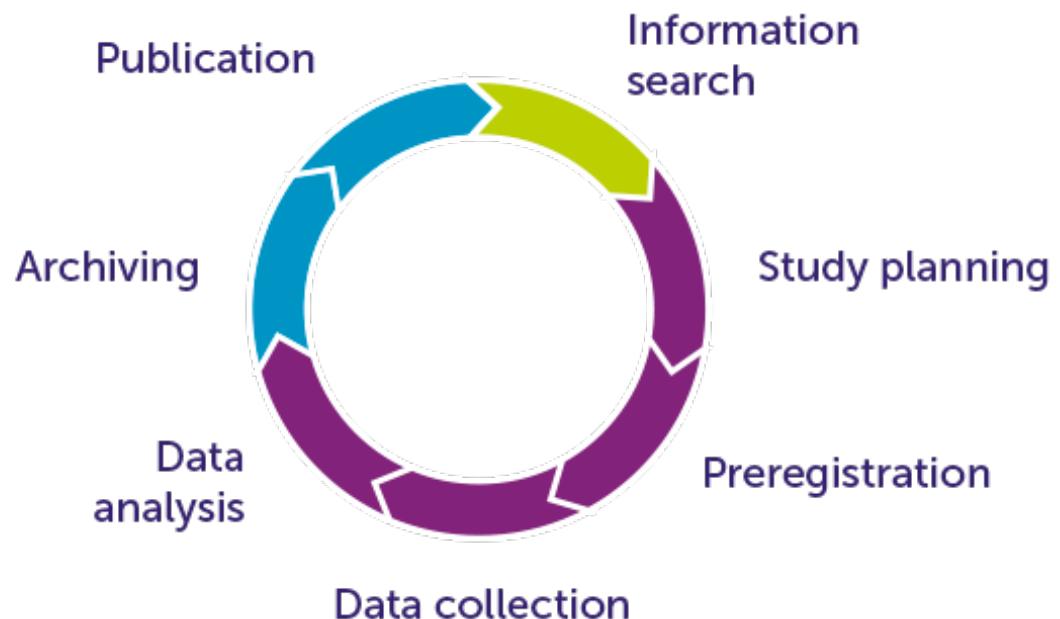
# Leibniz-Psychology.org (ZPID)

- ... is a Public Open Science Institute for Psychology and related disciplines
- ... is in the process of strategic expansion towards a one-stop research support organization (i.e., research infrastructure), providing services for the entire research cycle:

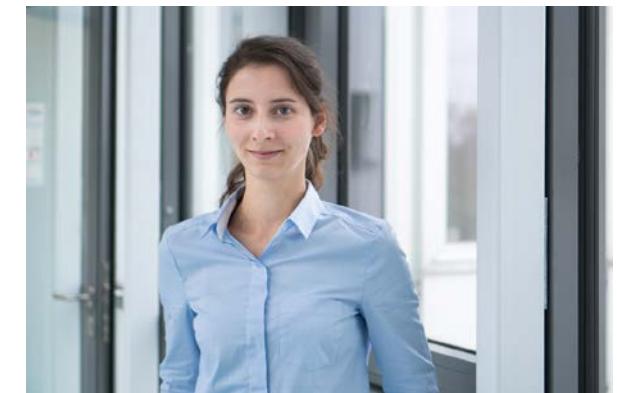
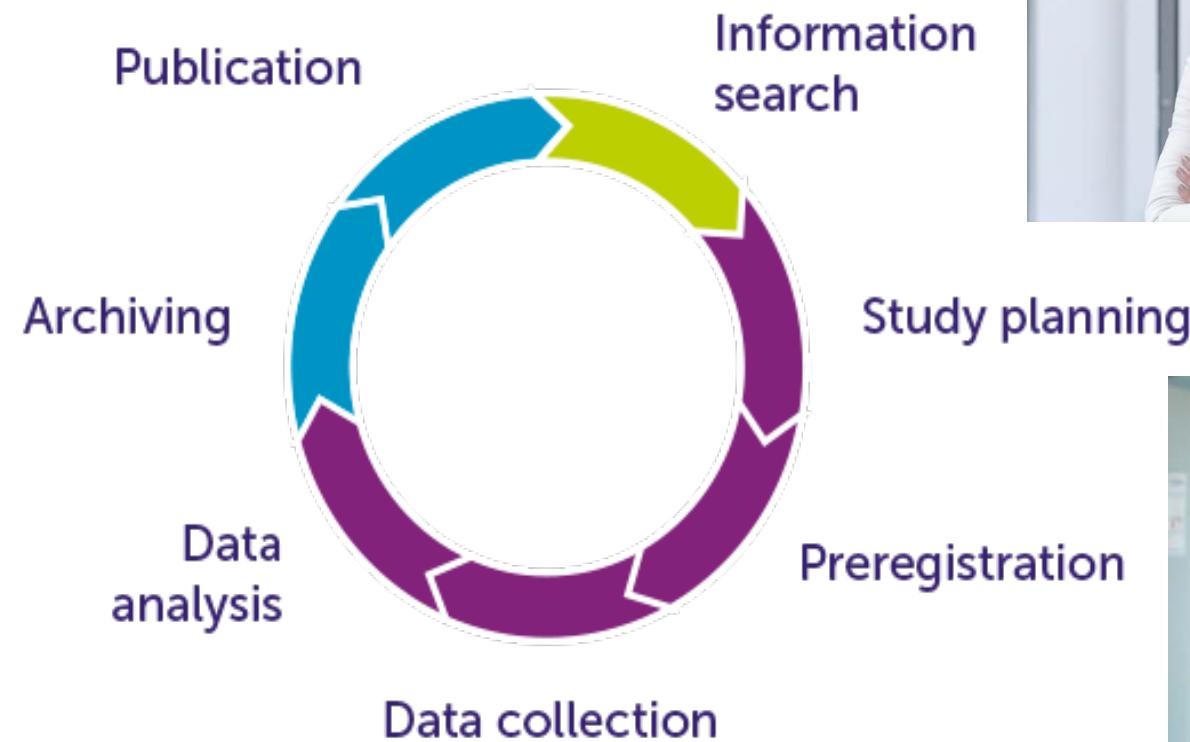


# Leibniz-Psychology.org (ZPID)

Supporting the (scientific) community in Psychology (and beyond) to make research **accessible, transparent, reproducible, and replicable.**



# Leibniz-Psychology.org (ZPID)



# ZPID Research Topics



# Research Unit “Research Literacy”



## “*Understanding Evidence*”

### Current studies (selection):

- Fostering nuanced beliefs about science: The role of epistemic volition
- Epistemic emotions in the context of contradictory scientific findings
- Defense mechanisms and confirmation bias when dealing with contradictory health information

# Research Unit “Big Data”

## “New Evidence Data Sources”



### Current and planned studies (selection):

- Unobtrusive (longitudinal) measurement of behavior using smartphones and social media
- Causal inference and causal discovery taking big data sources into account
- Analysis approaches for high-velocity data (data streams)
- Identifying hotspot topics in Psychology using PSNYDEX data (text mining)

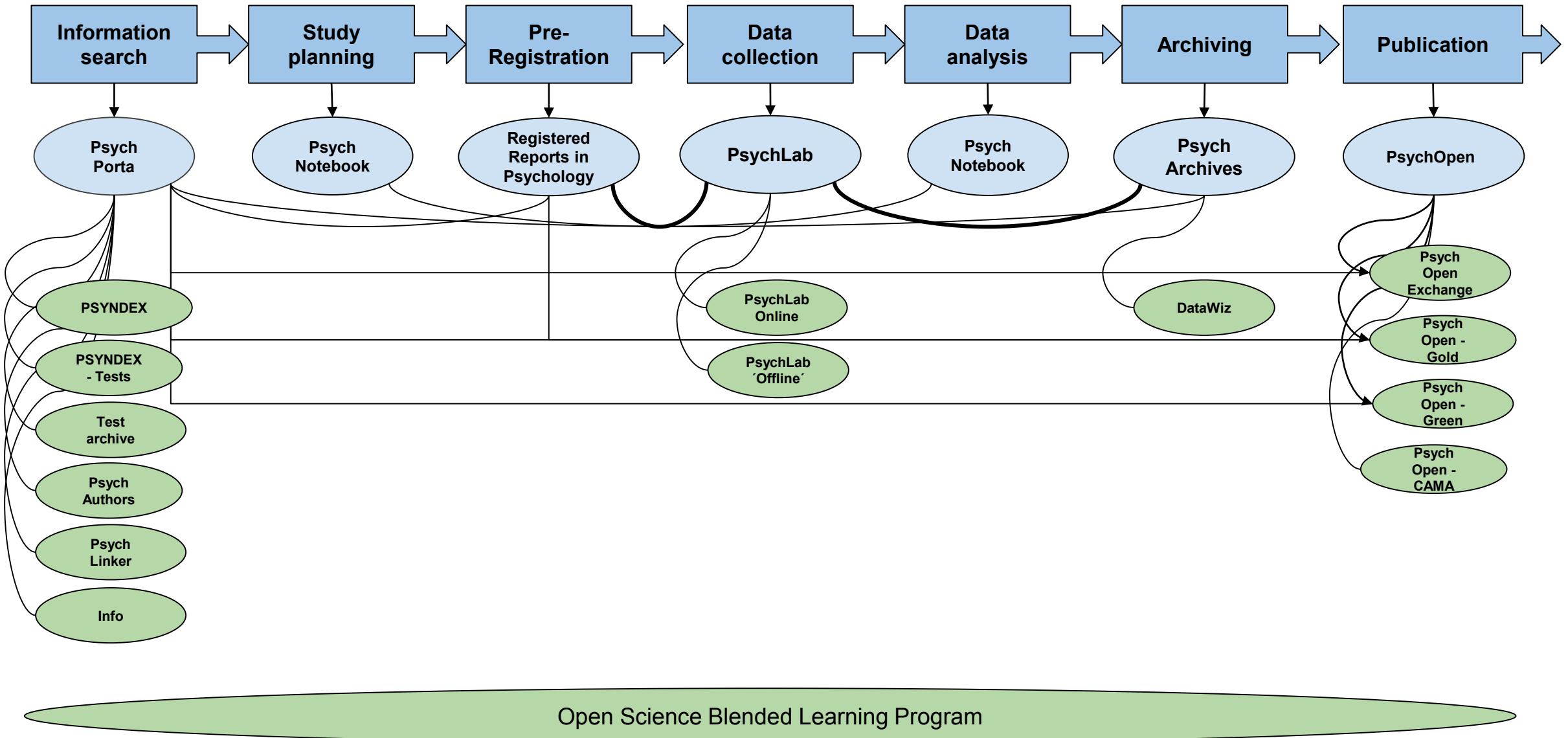
# Research Unit “Research Synthesis”

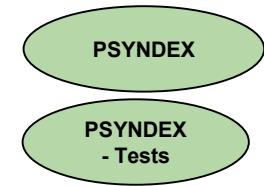
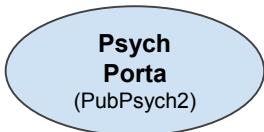
“*Synthesizing Evidence*”



## Current studies (selection):

- Meta-analyses on panel conditioning effects and participation rates in psychological studies
- Systematic review about the use of quality appraisal in meta-analyses
- MASEM on the factor structures and measurement invariance of psychometric instruments (e.g., PANAS, PSS)





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PubPsych psychotherapiegesetz

Results 1 to 10 of 96 for psychotherapiegesetz

by relevance by date

CHAPTER BOOK CHAPTER CHAPTER JOURNAL ARTICLE JOURNAL ARTICLE CHAPTER CHAPTER CHAPTER CHAPTER JOURNAL ARTICLE JOURNAL ARTICLE

1. Psychotherapeutisches Handeln und Recht Weiss, Susanne. 2014 ) Voraussetzungen für die selbständige Ausübung der Psychotherapie gemäß § 11 Psychotherapiegesetz (gesundheitliche Eignung; Vertrauenswürdigkeit), (2) Berufspflichten gemäß §§ 14 bis 16a Psychotherapiegesetz ... Add to My List Full Record

2. Psychologen-Gesetz, Psychotherapie-Gesetz Kierein, Michael; Pritz, Alfred; Sonneck, Gernot. 1991 Ausübung der Psychotherapie (Psychotherapiegesetz). (1) Text des Psychologengesetzes. (2) ... erläutert. - Inhalt: (A) Psychologengesetz. (1) Text des Psychologengesetzes. (2) ... Add to My List Full Record

3. Auswirkungen des Psychotherapiegesetzes auf die Tätigkeit des Wiener Kriseninterventionszentrums Sonneck, G.; Stein, C.; Strunz, V.. 2004 erörtert. Zuerst werden die Inanspruchnahme (Telefonkontakte in den Jahren 1988 bis 1999) und die Art der Kontaktenlässe besprochen. Es wird deutlich, dass das Psychotherapiegesetz über die Jahre zu einer ... Add to My List Full Record

4. Zum Österreichischen Psychotherapiegesetz Korbel, Lore. 1990 - Source: Personenzentriert, 1990, 2, 6-13 Das österreichische Psychotherapiegesetz, das am 1. Januar 1991 in Kraft tritt, und seine Entstehungsgeschichte werden erläutert. Anhand spezifischer Fragestellungen (etwa Abgrenzung von ... Add to My List Full Record

5. Psychologengesetz - Psychotherapiegesetz in Österreich Butschek, Christine. 1995 Es wird über das Psychologengesetz und das Psychotherapiegesetz in Österreich informiert. Die beiden Gesetze, die seit dem 1. Januar 1991 in Kraft sind, schützen die Berufsbezeichnungen "... Add to My List Full Record

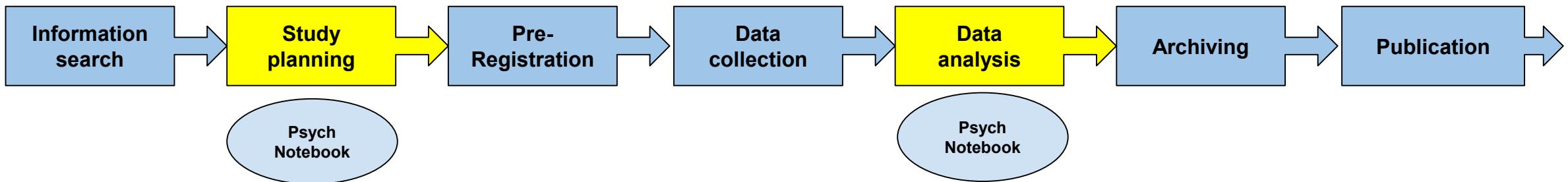
6. Zwölf Jahre Berufsethik im Überblick Hutterer-Krisch, Renate. 2004 Die im österreichischen Psychotherapiegesetz festgelegten berufsethischen Verpflichtungen werden erörtert. Nach einleitenden allgemeinen Anmerkungen zum Psychotherapiegesetz und zu Patientenrechten ... Add to My List Full Record

7. Psychotherapie in institutionellen Zusammenhängen: Verantwortlichkeiten, Rechte, Pflichten im Angestelltenverhältnis Frank-Riesen, Edith; Schöpfer-Mader, Eveline. 2004 - Source: Psychotherapie Forum, 2004, 12 (1, Supplement), S3-S6, 6 Literaturang. praktizierende Kollegen in erster Linie dem Psychotherapiegesetz und dem Berufskodex verankerten Pflichten keinesfalls durch Anweisungen ... Add to My List Full Record

8. Das neue Psychotherapiegesetz: Fortschritt oder Rückschritt? Eine kritische Stellungnahme aus gesundheitswissenschaftlicher Sicht Weiß, Bernward. 2000 - Source: Gestalttherapie, 2000, 14 (1), 46-64, 12 Formulierungen sowohl in ... Add to My List Full Record

En | Es | Fr | De Start Page Help Export Records My List

Search History 1. psychotherapiegesetz Publication Year [+] 2016 (1) 2015 (3) 2014 (2) 2013 (1) 2012 (3) Author [+] Kierein, Michael (~7) Sonneck, Gernot (~4) Anonymus (~3) Keil, Wolfgang W (~3) Lanske, Paula (~3) Language German (96) Publication Type Journal Article (53) Chapter (29) Book (14) Data Source PSYNDEX (96)



## PsychNotebooks

jupyter sai(2) Last Checkpoint: 4 minutes ago (autosaved)

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### How smart do you think you are?

#### A meta-analysis on the validity of self-estimates of cognitive ability

Philipp Alexander Freund and Nadine Kasten

#### Hypotheses

**Overall Relationship:** Most studies investigating the relationship between self-estimates of cognitive ability and psychometric test scores report significant, positive correlations. We therefore expect to find a significant, positive overall relationship between the two variables.

**Moderator Analysis:** We hypothesize that self-estimates concerning verbal, numerical, or spatial abilities should be more valid than self-assessments of general cognitive ability, which in turn is usually a compound of different subabilities (as implemented in omnibus test batteries). Consequently, use of these "standard" abilities should also result in more valid self-estimates than use of more rarely assessed abilities, such as memory or processing speed, for instance.

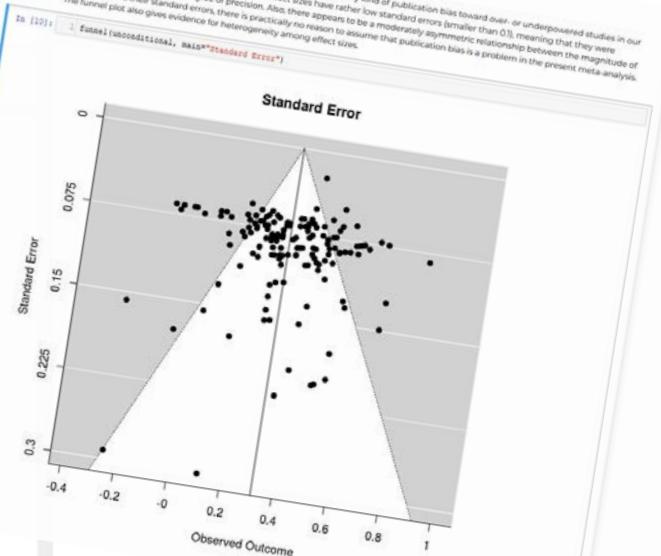
```
In [4]:
1: ##install packages
2: #install.packages("ggplot2")
3: #install.packages("metafor")
4:
5: #load packages
6: library(ggplot2)
7: library(metafor)
8:
9: #load data
10: sai <- read.csv(file="SAI_Beispiel.CSV",header=TRUE, sep=";", dec = ",")
```

#### Results

##### Descriptive Statistics

#### Publication Bias

We also performed a funnel plot analysis to investigate if there was any kind of publication bias toward over- or underpowered studies in our data set. As the figure shows, the majority of the effect sizes have rather low standard errors (smaller than 0.1), meaning that they were estimated with a reasonable degree of precision. Also, there appears to be a moderately asymmetric relationship between the magnitude of effect sizes and their standard errors, there is practically no reason to assume that publication bias is a problem in the present meta-analysis.





Registered Reports in Psychology



Copy of Information Recommended for Inclusion in Manuscripts Reporting Meta-Analyses

Description Guidelines & Warnings Materials Steps +SHARE VIEW All changes saved

**Title**  
State the research question and type of research synthesis (e.g., narrative synthesis, meta-analysis).

**Author note**  
List all sources of monetary and in-kind funding support; state the role of funders in conducting the synthesis and deciding to publish the results, if any.

Describe possible conflicts of interest, including financial and other nonfinancial interests.

Give the place where the synthesis is registered and its registry number, if registered.

Provide name, affiliation, and e-mail address of corresponding author.

**Abstract**

**Objectives:**  
State the research problems, questions, or hypotheses under investigation.

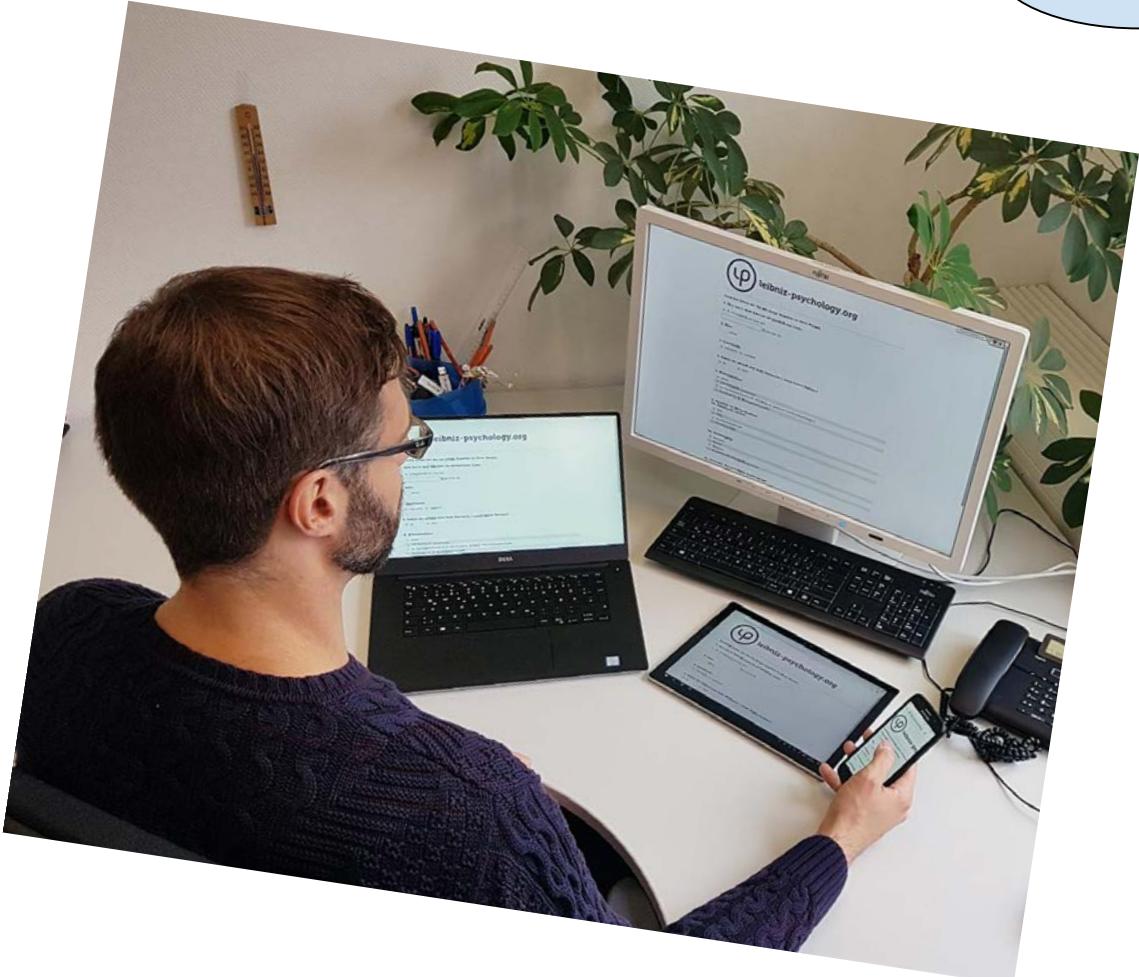
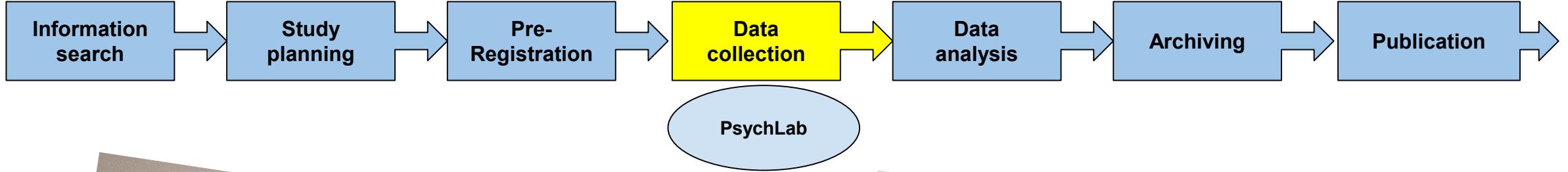
**Eligibility criteria:**  
Describe the characteristics for inclusion of studies, including independent variables (treatments, interventions), dependent variables (outcomes, criteria), and eligible study designs.

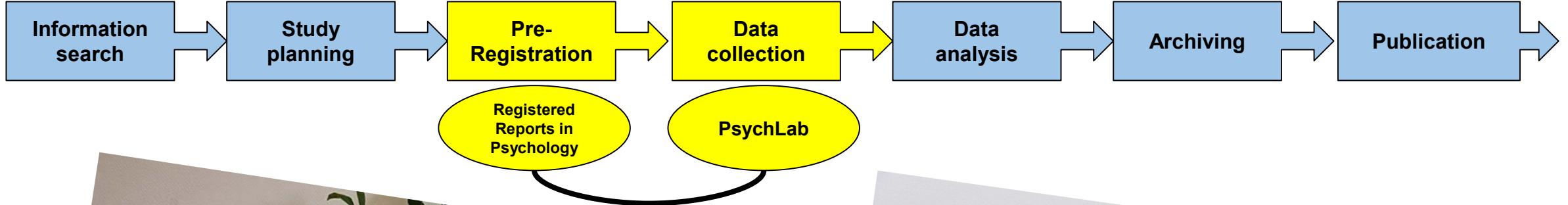
**Methods of synthesis:**  
Describe the methods for synthesizing study results, including

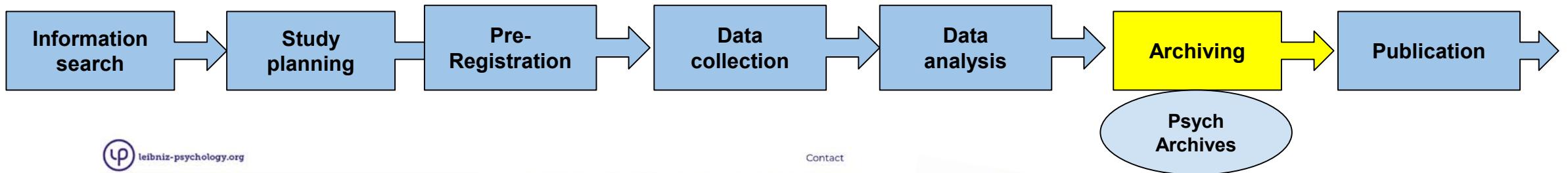
- Statistical and other methods used to summarize and to compare studies
- Specific methods used to integrate studies if a meta-analysis was conducted (e.g., effect-size metric, averaging)

**Results:**  
State the results of the synthesis, including

- Number of included studies and participants, and their important characteristics
- Results for the primary outcome(s) and moderator analyses
- Effect size(s) and confidence interval(s) associated with each analysis if a meta-analysis was conducted







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# PsychArchives

Disciplinary Repository for Psychological Science

PsychArchives is a disciplinary repository preserving a variety of digital research objects (DROs), with 21 different publication types (preprints, primary, and secondary publications), research data, tests, preregistrations, multimedia and code. We provide easy and free access to DROs according to the FAIR principles, which implies the commitment to ensure that research and research data are findable, accessible, interoperable, and reusable.

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- Putting a myth to the test: The case of gender differences in multitasking abilities (Hirsch et al.) 2019 researchData
- Moderators of the Self-Congruity Effect on Consumer Decision-Making: Extension of a Meta-Analysis (Sahin) 2019-03-01 masterThesis
- Accelerated Pubertal Development as a Transdiagnostic Mechanism Linking Childhood Trauma with Multiple Forms of Adolescent-Onset Psychopathology (Colich et al.) 2019 preprint
- Supplementary materials to "Spatial skills first: The importance of mental rotation for arithmetic skill acquisition" (Georges et al.) 2019 supplement
- Materialien zu "Die Berechnung des Konfidenzintervalls für die Effektgröße Cohen's d" (Pausch) 2019 supplement
- Data for "Research on Social Psychology has changed" (Sassenberg) 2019-02-22 researchData
- PsychArchives: A Trustworthy Repository for Psychology (Weichselgartner et al.) 2019-02 conferenceObject
- Location of the Self (Schäfer et al.) 2019-02-22 researchData

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  - research outputs from the entire cycle of psychological research are welcome.
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- Open licensing
  - fostering re-use and open science.
- Safe
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# DataWiz

DataWiz is a free data management system that helps prepare research data.

DataWiz ...

- facilitates high-quality documentation according to current standards,
- enables collaborative and distributed work on projects,
- ensures the long-term reusability of research data.

DataWiz covers the entire research data management process:

Creation

- Organize and document research projects
- Create data management plans adapted to the requirements of various sponsors (BMBF, Horizon Europe, DFG)

Processing

- Export study documentation for preregistrations
- Work together with specific assignment of access rights

Analysis

- Import and version control records
- Read variable descriptions from SPSS and convert into codebooks
- Convert to relevant data formats

Archiving and reuse

- Export entire project or individual studies into long-term readable formats for your own reuse
- Provide via PsychArchives, the ZPID repository

Getting started with DataWiz:

You need a DataWiz account that you can create [here](#). After logging in with your DataWiz user data, you can start your new project directly. A guide helps with questions.

**Project Overview**  
Click here to access the DataWiz project overview. After logging in, you can continue working on an existing project or create a new project.

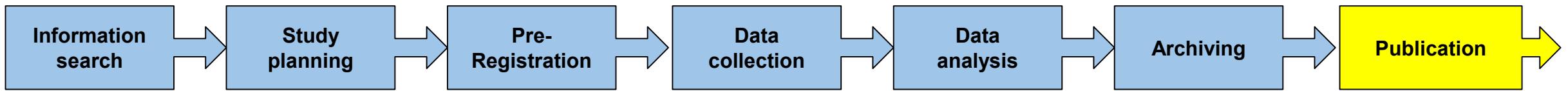
**User Guide**  
The user guide supports you in using DataWiz.

**Knowledge Base**  
Here you can access the knowledge base, which can be used in combination with DataWiz or independently. Please note that the information is constantly extended and updated.

**DataWiz GitHub Repository**  
Here you can access the DataWiz source code, which is freely available for inspection or own use/extension (in progress).

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**Social Psychological Bulletin**

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# Social Psychological Bulletin

Psychologia Społeczna

**Distinguishing Positive and Negative Self-Evaluations in Age Differences in Possible Selves**

Adrian Morawiałk<sup>‡</sup>, Joanna Gutral<sup>‡</sup>, Marzena Cypryańska<sup>‡</sup>, John Nezlek<sup>§</sup>  
<sup>‡</sup> SWPS University of Social Sciences and Humanities, Warsaw, Poland  
<sup>§</sup> SWPS University of Social Sciences and Humanities, Poznań, Poland  
<sup>||</sup> College of William & Mary, Williamsburg, United States of America

Corresponding author: Marzena Cypryańska ( [mcypyrska@swps.edu.pl](mailto:mcypyrska@swps.edu.pl) )  
 Academic editor: Jan Gieciuch  
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 Citation: Morawiałk, A., Gutral, J., Cypryańska, M., & Nezlek, J. B. (2018). Distinguishing positive and negative self-evaluations in age differences in possible selves. *Social Psychological Bulletin*, 13(1), Article e25501. <https://doi.org/10.5964/spb.v13i1.25501>

**Abstract**

Participants in the present study (82 high school students and 60 seniors) used a version of the Ten Item Personality Inventory (TIPI) to describe their past (10 years ago), present, and future (10 years from the present) selves. From the TIPI we derived measures of positive and negative self-evaluation. We analyzed these data with 2 (young-old) x 3 (past, present, and future) ANOVAs. Consistent with previous research, for positive self-evaluations, we found that younger people thought they were better now than they had been in the past and would be better in the future than they were now, and older people thought that had been better in the past than they were now, and that they were better now than they would be in the future. In contrast, and inconsistent with previous research, for negative self-evaluations, we found few differences

**Dimensions**

CITATIONS Total citations: ? Recent citations: ? Field Citation Ratio: ? Relative Citation Ratio: ?

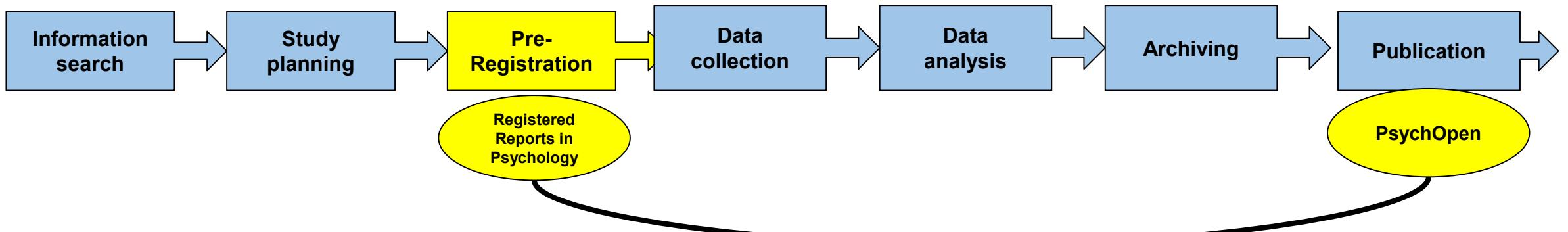
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GOLD

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In the paper

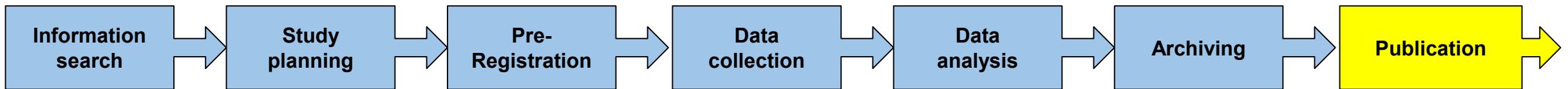
We recruited a sample of 61 participants as specified by our pre-registered stopping rule<sup>[P-6]</sup>

From the  
pre-registered protocol

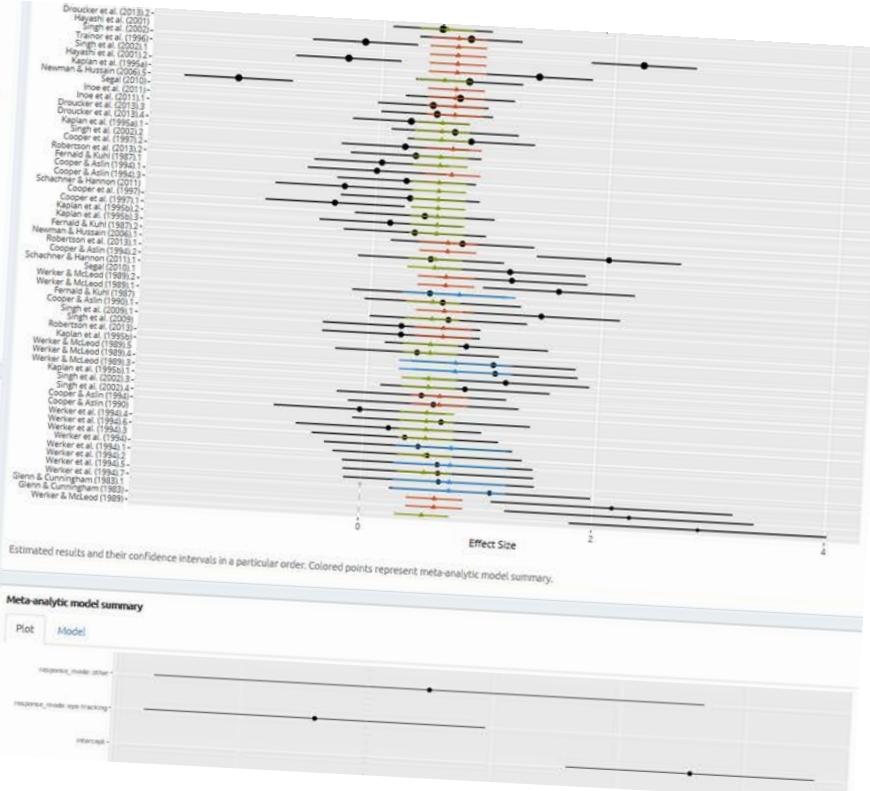
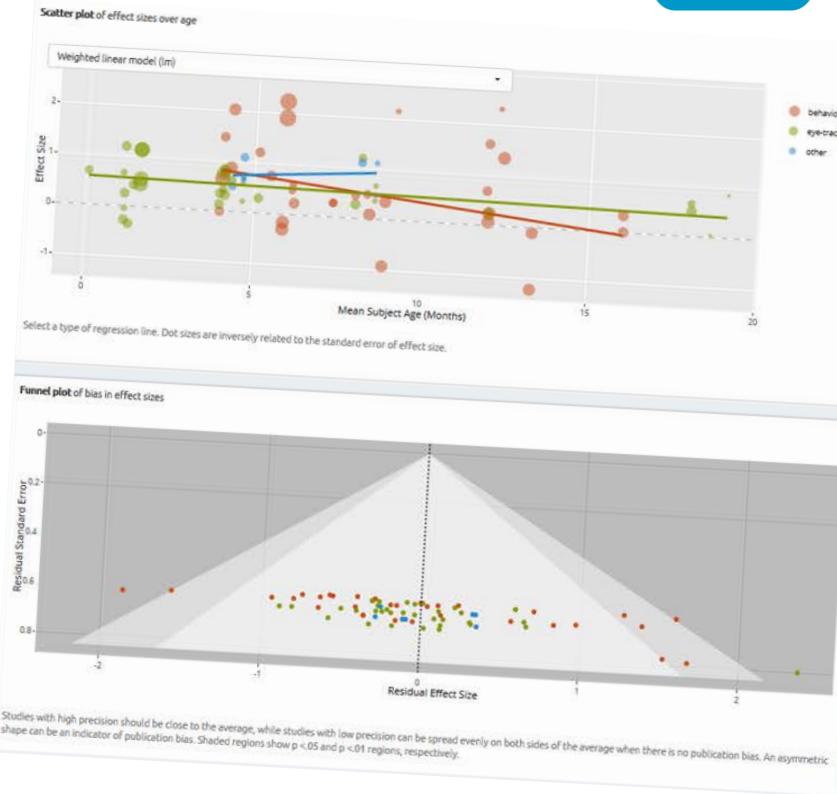
**P-6:** A power analysis was carried out to determine that a sample size of 61 participants was necessary to detect medium effects  $f = .25$ , as outlined by Cohen, 1988), with power of .9.

SMART-preregistration by  
Tom Hardwicke et al. (2018)

The screenshot shows a journal article titled "Narcissist Unmasked. Looking for the Narcissistic Decision-Making Mechanism: A Contribution From the Big Five" by Radoslaw Rogoza. The article is a Review Article from the Social Psychological Bulletin, volume 13(2), e26623, published in 2018. The page includes a navigation bar with links like "Contents", "Article info", "Citation", "Metrics", "Comment", "Related", "Figs", "Tabs", "Refs", and "Cited". The main content area features the abstract and several sections of the article text.



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director@leibniz-psychology.org



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## Open Science

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Our offers



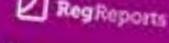
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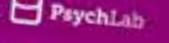
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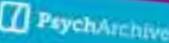
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Whether fixed attitudes can be changed will be explored in a new project at the ZPID starting in March 2018.

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### News

05/30/2018



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