



# Responsible Research Assessment II: The RESQUE web form for hiring and promotion

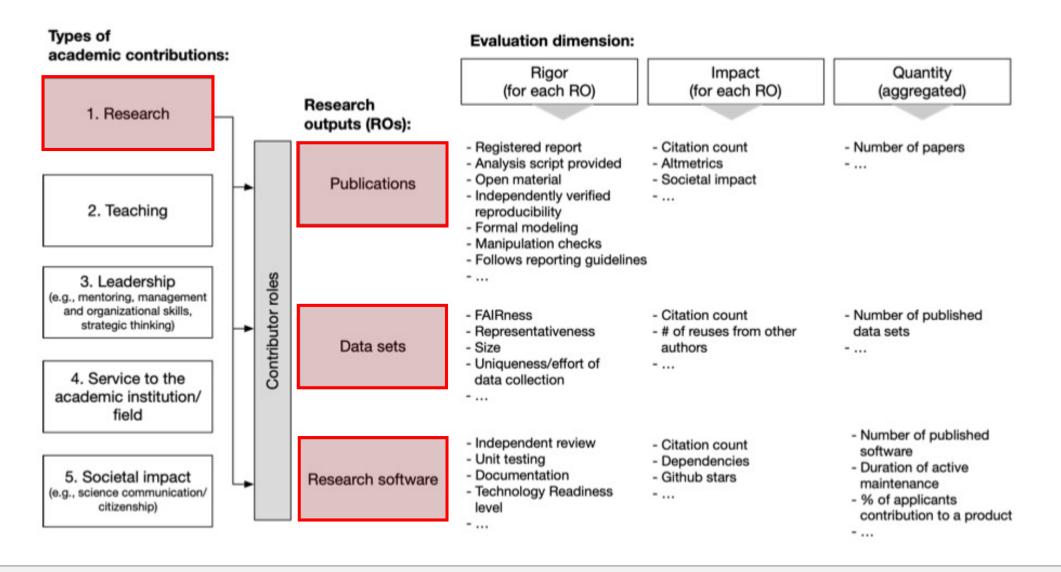
Anne Gärtner, Alp Kaan Aksu, Daniel Leising, Felix Schönbrodt

17th Biennial Conference of Differential Psychology, Personality Psychology and Psychological Assessment (DPPD)

27.09.2023

Slides: <a href="https://osf.io/gd3ze/">https://osf.io/gd3ze/</a>

### Academic contributions are multifaceted



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#### **BUT: HOW TO ASSESS?**

For both users and hiring/promotion committees, it should be:

- Easy to use
- Fast, not time-consuming
- Economical
- Secure
- Sustainable







#### **RESQUE = RES**earch **QU**ality **E**valuation

- Online evaluation scheme for publications, data sets, and research software
- Enter necessary information for your best research outputs (e.g., 5/10 outputs)
- Export profile that shows your research style (and possible points)
- For CV or in hiring and tenure committees

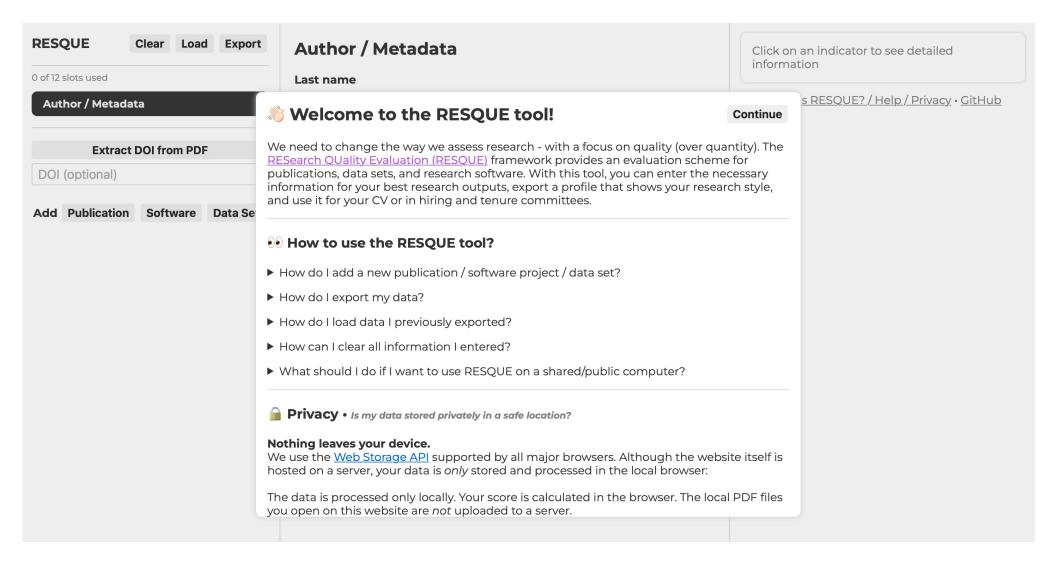
#### **Privacy**

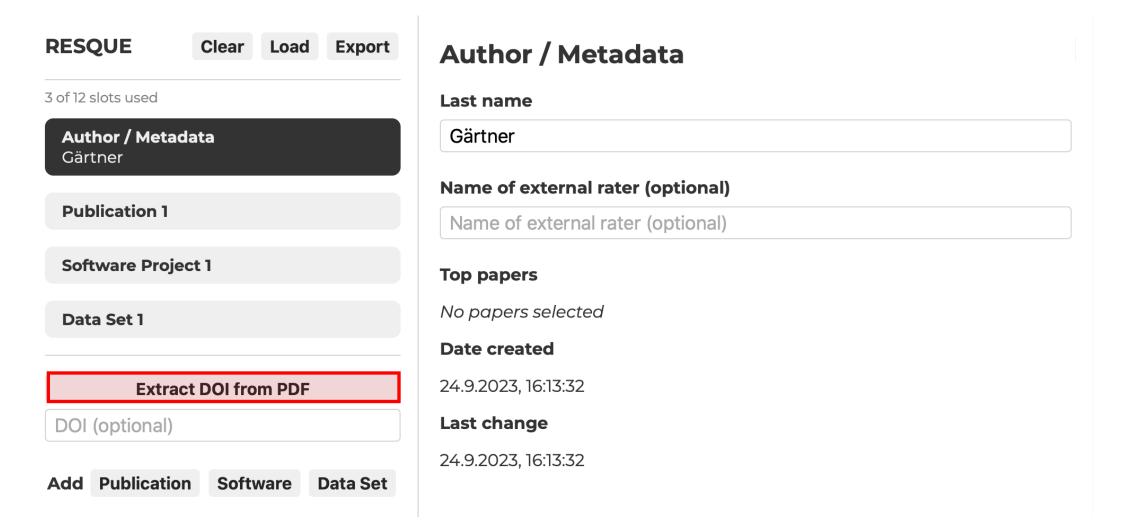
- Nothing leaves your device!
- Web Storage API: Website itself is hosted on a server, data is only stored and processed in local browser











#### **Publication**

Date added: 26.9.2023, 11:43:09	
Paper title (do not provide journal name)	
Empfehlungen zur Bewertung wissenschaftlicher Leistungen bei Berufungsverfahren in der Psychologie	10
Year of publication	
2023	<b>\$</b>
DOI	
10.1026/0033-3042/a000630	
Top papers: currently selected: 0/3	
□This is one of my three best papers.	
Publication type (check all that apply)	
□Empirical paper	
□ Meta-Analysis	
□ (Mainly) Theoretical contribution / Review	
Simulation	
Other (please specify)	

Publication type
OPublished paper / Paper in press
Preprint
Conference proceeding
○Stage 1 registered report with IPA
○Monograph
○Book chapter
○Test or instrument
Other (please specify)
Does this contribution fit well into the assessment scheme? (If 'No':
Skip all other indicators; the paper will not be included in the scoring but processed manually)
but processed manually)
but processed manually)  No, it should be processed manually (provide explanation)
<ul> <li>but processed manually)</li> <li>No, it should be processed manually (provide explanation)</li> <li>Yes</li> <li>Does this paper use any kind of data in a substantive way (new data,</li> </ul>
<ul> <li>but processed manually)</li> <li>No, it should be processed manually (provide explanation)</li> <li>Yes</li> <li>Does this paper use any kind of data in a substantive way (new data, reuse of existing data, or simulated data?)</li> </ul>
<ul> <li>but processed manually)</li> <li>No, it should be processed manually (provide explanation)</li> <li>Yes</li> <li>Does this paper use any kind of data in a substantive way (new data, reuse of existing data, or simulated data?)</li> <li>No</li> </ul>

Correctness of computational results has been independently verified
Not applicable [provide explanation]
○No
Yes [provide doi or URL to verification report]
Open reproducible scripts
Not applicable [provide explanation]
Not available
Yes, parts of scripts [provide doi or URL]
Yes, entire scripts [provide doi or URL]
Open materials (beyond the open reproducible scripts entered above)
Not applicable [provide explanation]
Not available
Yes, parts of material [provide doi or URL]
Yes, entire material [provide doi or URL]
Preregistration
Not applicable [provide explanation]
○No
Yes (but not RR) [provide doi or URL]
Registered Report [provide doi or URL]

Formal modeling of a theory
ONot applicable [provide explanation]
○No
○Yes
The paper contains a preregistered replication attempt (either direct/close or conceptual)
ONot applicable [provide explanation]
○No
○Yes
Please report all considerations regarding statistical power (assumed effect size, power, N,)
Official open science badges awarded by journal? (check all that apply)
Open Data
Open Material
Preregistration
Sample size (if applicable, differentiate by levels / items /)
Merit / impact statement (narrative, max. 150 words)
0./35

#### **CRediT roles**

#### Conceptualization

○Lead ○Equal ○Support ○No Role



#### **Data curation**

○Lead ○Equal ○Support ○No Role

#### Formal analysis

○Lead ○Equal ○Support ○No Role

#### Funding acquisition

○Lead ○Equal ○Support ○No Role

#### P\_CRediT\_Conceptualization

Ideas; formulation or evolution of overarching research goals and aims.

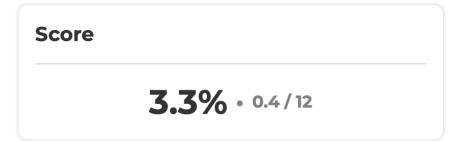
**Score** 

0.0% • 0/12

Click on an indicator to see detailed information

What is RESQUE? / Help / Privacy · GitHub

- → FAIR format
- ▼Timestamped repository
- ✓ Version control
- Reproducible manuscripts (e.g. with R Markdown)
- ☐ Proper documentation of code
- Reproducible software environments (e.g. conda environment, renv environment in R)



# **RESQUE Tool**Selection of other criteria

#### **Criteria for Data Sets**

Criterion		Pt.
•••		
DataCRediT roles	Collection Validation Curation 	
Data types	Questionnaire Behavioral Physiological Other	
Study mode	Online Laboratory Field study ESM Other	
FAIR format	No Yes, parts of data Yes, entire data	2.5 5
Sample size	please specify	
Number of items	please specify	
Citations/Reuse	please specify	
Merit statement	please specify	

# **Criteria for Research Software**

Criterion				Pt.
Contributor roles	DA CD MS		0-3	Ø 0 -
License				
Downloads				
Reusability Indicator	R1 R2	R3 R4		0.25 - 8
Merit statement	pleas	se spe	cify	

# **Github Repository** RESQUE Tool

#### Table of content:

- RESQUE: The Research Quality Evaluation scheme for psychological research
  - Publications and commentaries by the scientific community
    - Publications
    - Commentaries
  - Resources
    - Rating sheets (core set)
    - ☑ Rating sheets (expansion packs)
    - Coding manual
    - Analysis scripts for R
  - How to get started
    - ...as hiring committees
    - ...as tenure track committees
    - ... as applicants
  - # How to contribute

- still work in progress and constantly updated
- contains links to RESQUE core set and future expansion packs of evaluation criteria (e.g. for each DGPs section, will be collected soon!)
- Coding manual with further information
- R Analysis scripts for hiring and promotion committees that provide summary export file

# **OSF Project**RESQUE Indicators as Excel Files



# RESQUE: The Research Quality Evaluation Scheme

This OSF project contains the most current version of the RESQUE scheme.

(Note: old versions and current development versions can be found on a Github project).

Please find below the proposed evaluation criteria for hiring and promotion in psychology. For current use, open the respective Google Sheet, download the file (File > Download) and fill in the Excel file offline.

#### **Publications:**

https://docs.google.com/spreadsheets/d/1pgh6-Ct2xomij7Y4IOsEWPf3Krg-cs97JQwL7hooGN4/edit#gid=485121430

Data sets:

→ current release

#### Research Software:

https://docs.google.com/spreadsheets/d/1pwYKRa-ssQJSel37kj0-nk0\_upDXySbAYwrR7ZPphpY/edit#gid=485121430

We will soon provide offline Excel files for optimal use. Furthermore, we are developing an R Markdown script to process the information from the Excel files (e.g., to provide summary statistics). All files will be listed here as soon as possible.

#### **Discussion**

- How do you like the online implementation of the RESQUE web form?
- Would you use it?
- What might be **hurdles** in implementing these indicators and tools in hiring and promotion decisions?
- How could these be circumvented?

#### Interested?

- Join our mailing list: <a href="https://www.listserv.dfn.de/sympa/info/psy-dora">https://www.listserv.dfn.de/sympa/info/psy-dora</a>
- Join hiring committees (Berufungskommissionen, tenure track) and point to alternative indicators
- Try the RESQUE tool (and give us feedback!)







# **Further information**Change of the incentive structure



Diskussionsforum

Empfehlungen zur Bewertung wissenschaftlicher Leistungen bei Berufungsverfahren in der Psychologie

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<sup>1</sup>Technische Universität Dresden, Deutschland

<sup>2</sup>Ludwig-Maximilians-Universität München, Deutschland

Meta-Psychology (Special Issue with 15 commentaries)

Psychologische Rundschau (Diskussionsforum with 6 commentaries)

# Thank You!

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Slides: <a href="https://osf.io/gd3ze/">https://osf.io/gd3ze/</a>

RESQUE Web form:

https://nicebread.github.io/RESQUE/web/



