Protocol for searching for links and statements about partial disclosure or non-disclosure of research artifacts.

Due to the large number of papers included in our study, it was not feasible to read each paper in its entirety. Therefore, similar to the approach taken by Heumuller et al. (2020), we conducted a heuristic search that consisted of three steps to identify any indications of available artifacts or statements regarding artifact disclosure.

If statements or data availability information could not be found with the **Mandatory phase** (steps 1 and 2), you must do the **Extra phase** (steps 3 and 4).

All the **primary keywords** (step 2) are always searched, independently if relevant information was already found through the **section reading** (step 1).

The **secondary keywords** (step 3) and **specific keywords** (step 4) are only used in case no link to external material or justification for non-disclosure (or partial disclosure) was found with the section reading (step 1) and the targeted search with the primary keywords (step 2). So, if you need to start the Extra phase, you must do the target search with all the secondary (step 3) and specifics keywords (step 4), to ensure consistency in executing the same procedures for all papers.

Mandatory phase

- (1) Read paper's relevant sections.
- Abstract
- Final paragraphs of the Introduction
- Conclusion
- Data Availability section or similar (if provided), such as Artifacts, Replication Package, Replication, Reproducibility, Verifiability and Replicability.

(2) Target search using primary keywords.

Primary Keywords	
http*	http, https
availab*	available, availability
releas*	release, released, releasing
publi*	public, published
appendix	appendix
material*	material, materials
supplement*	supplemental, supplementary
replic*	replication, replicability
reprod*	reproduction, reproducibility
repo*	repository, report, reported
reason*	reason, reasons
due to	due to

Extra phase

(3) Target search using secondary keywords.

Secondary Keywords		
disclos*	disclosed, non-disclosure, disclose	
detail*	detail, detailed, details	
priva*	privacy, private	
confident*	confidential, confidentiality	
request*	request, requested	
artif*, artef*	artifact, artefact	
web*, site, home*, page	website, web site, webpage, web page, homepage, home page	
online	online	
git*	github, gitlab, git.io	
bitbucket	bitbucket	
figshare	figshare	
zenodo	zenodo	
arxiv	arxiv	
goo*	google, goo.gl	
doi	doi	

(4) Target search using specific keywords.

Specific Keywords	
Authors' last names	
Paper title	
Names of any developed approaches, tools, or similar (presented in the paper)	

Fields to be filled

Is there an artifact link in the paper? Answer: Yes or No. Artifacts link Braper talking about the artifacts link link link link link link link link		
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