Data Sharing in Psychology - Phase 1. Amsterdam, 2016. (#1133)

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1) What’s the main question being asked or hypothesis being tested in this study?
The question that is answered by this study is twofold:
(1) What are the barriers that prevent researchers in psychology from sharing primary research data?
(2) What are the conditions under which researchers in psychology are willing to share primary research data?
Because of the descriptive and explorative nature of this study, no specific hypotheses will be tested.
Specifically, a preliminary data set will be used to formulate an analysis plan that will then be applied to a separate, larger data set.

The following link directs you to the Open Science Framework project where the questionnaire and a more extensive description of this study can be found:
https://osf.io/xm8dh/#.

2) Describe the key dependent variable(s) specifying how they will be measured.
This study aims to describe the barriers that prevent researchers in psychology from sharing primary research data and the conditions under which they would be willing to share data. Since the nature of this study is descriptive, there are no dependent variables to describe.

3) How many and which conditions will participants be assigned to?
The respondents in this study will not be allocated to conditions. Every respondent in the sample receives the same questionnaire to fill out.

4) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
In order to appropriately analyze the research data, this project sets out to collect preliminary data.
Towards this purpose, the questionnaire will be distributed over 2000 email addresses, which will be randomly drawn from a total sample of 16,184 email addresses (for more information, consult the "Sample Size" section).

At this exploratory stage, we plan to consider a form of factor analysis and network analysis.

After an appropriate analysis plan is composed, a more extensive description of this plan will be preregistered in Aspredicted.org. Consequently, the questionnaire will be distributed over the remaining 14,184 email addresses.

5) Any secondary analyses?
N.A.

6) How many observations will be collected or what will determine sample size? No need to justify decision, but be precise about exactly how the number will be determined.
The participants in this research will be researchers from the field of psychology. Email addresses of researchers in psychology were collected from the Web of Science, using the following search criteria: (1) "Year: 2005-2015", (2) "Topic: "Psychology", (3) "Research Area: Psychology", (4) "Type: Article", (5) "Language: English". This search resulted in 21,116 articles (collected on 6 July 2016). The metadata of these articles yielded a total set of 16,284 unique email addresses.
From these 16,284 email addresses a random sample of 100 email addresses have already been used to verify that the online questionnaire works as intended.
In this project, an initial random sample of 2000 email addresses will be used to gather preliminary data.

As mentioned above, an analysis plan will be formulated based on the preliminary data. This plan (to be preregistered in the future) will then be applied to new data from the remaining 14,184 email addresses.

7) Anything else you would like to pre-register? (e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)
N.A.

8) Have any data been collected for this study already?
No, no data have been collected for this study yet.

Available at http://aspredicted.org/ik7wt.pdf