Low Replicability and Trust in Psychology - Study 1 (#5118)

Author(s)
removed to ensure blind peer review

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

2) What's the main question being asked or hypothesis being tested in this study?
We investigate whether the assumed replication rate of psychological science is related to institutional trust in the psychological science community and to the perceived value of psychological science.
We expect a positive correlation between the assumed replication rate and institutional trust in the psychological science community. We moreover expect a positive correlation between the assumed replication rate and the perceived value of psychological science.

3) Describe the key dependent variable(s) specifying how they will be measured.
Institutional trust in the scientific community will be measured by averaging five items adapted from Nisbet, Cooper, & Garrett (2015). The items are:
1. I have very little confidence in the psychological science community.*
2. Items 2 - 5 have been removed to avoid
3. potential copyright infringement.
4.
5.
* Item is reverse coded.
The perceived value of psychological science will be measured by averaging four items adapted from Broomell, S. B., & Kane, P. B. (2017, Experiment 2).
The items are:
1. Please rate the overall quality of research produced by psychological science.
2. Items 2 - 4 have been removed to avoid potential copyright
3. infringement.
4.

4) How many and which conditions will participants be assigned to?
Participants will not be assigned to conditions, as this is a correlational study. However, participants assumed replication rate of psychological science will be assessed. Participants will receive a description of the Open Science Collaboration (2015) study and will be asked to guess how many of the original findings could be replicated.

5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
We will calculate Pearson's r for the relationship between the assumed replication rate and averaged institutional trust. We will moreover calculate Pearson's r for the relationship between the assumed replication rate and averaged perceived value. For both correlations, one-tailed p-values will be calculated to assess the statistical significance (significance level of .05).

6) Any secondary analyses?
All further analysis will be exploratory.

7) 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.
266 MTurkers will be paid to participate in the study.

8) Anything else you would like to pre-register? (e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)
We collect additional demographic data (race, gender, age, native speaker) and whether participants indicate that they knew the Reproducibility Project: Psychology or its results before taking part in the study.