
Introduction

Thank you for participating in this study. You will be asked to read a short text about psychological science and provide your opinion. Please read the text carefully and answer some questions about it.

replicability

Please read the following text carefully. **You will be asked a couple of questions about this text.**

Psychological science explores human behavior and experience by means of the scientific method. To this end, established scientific methodology is used like experiments, surveys, and statistical analysis. However, some psychological disciplines are currently struggling with doubts about their credibility. A thorough analysis conducted by a team of 270 international scientists has now attempted to quantify the problem. The team replicated 100 different psychological studies trying to verify their results. Their results were published in the renowned journal *Science*: Of those 100 studies, they were able to replicate the results of 83, meaning that the results of 17 could not be verified.

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Additional Information about Transparency

Please read the following text carefully. **You will be asked a couple of questions about this text.**

Based on this problematic result, psychological researchers now aim to make their research more transparent. Before they collect data for a study, they now publish a plan of what they're going to do. This allows everybody to check if the researchers stuck to their plan, or if they, for example, tailored their analysis to fit their hypothesis. Moreover, psychological researchers now make their study materials and their data publicly available more often. Again, this allows everybody to check what the researchers did and what their results were, resulting in a much higher level of transparency.

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manipulation_check and text understanding questions

Please answer the following questions about the text you just read.

Please answer the following questions about the texts you just read.

Experiments are used in psychological research.

Strongly
disagree



Strongly agree



Psychologists never use statistical analyses.

Strongly
disagree



Strongly agree



A research team replicated 100 different psychological studies trying to verify their results.

Strongly
disagree



Strongly agree



Psychological research is replicable.

Strongly
disagree



Strongly agree



Psychological research is transparent.

Strongly
disagree



Strongly agree



Trust in science

Thank you for answering the questions about the text. We are now interested in your personal opinion about the psychological science community. Please answer the following questions.

Please note: The items of the “trust in the psychological science community”-measure are not presented here for copyright reasons. They can be found in: Nisbet, E. C., Cooper, K. E., & Garrett, R. K. (2015). The Partisan Brain: How Dissonant Science Messages Lead Conservatives and Liberals to (Dis)Trust Science. *The ANNALS of the American Academy of Political and Social Science*, 658, 36–66. <https://doi.org/10.1177/0002716214555474>

This item is not presented for copyright reasons.

Strongly
disagree



Strongly agree



This item is not presented for copyright reasons.

Strongly
disagree



Strongly agree



This item is not presented for copyright reasons.

Strongly
disagree

☐☐☐☐☐☐

Strongly agree

☐

This item is not presented for copyright reasons.

Strongly
disagree

☐☐☐☐☐☐

Strongly agree

☐

This item is not presented for copyright reasons.

Strongly
disagree

☐☐☐☐☐☐

Strongly agree

☐

Demographics

To conclude, please answer these final questions. Note that all responses will be anonymous.

Gender:

☐ Male

☐ Female

☐ Open entry

Age

Is English your first language?

- ☐ Yes
- ☐ No

If English is not your first language:

For how many years have you been speaking English?

Which of the following best represents your racial or ethnic heritage?

- ☐ American Indian or Alaska Native
- ☐ Asian
- ☐ Black or African American
- ☐ Native Hawaiian or Other Pacific Islander
- ☐ White
- ☐ Other/Mixed

Debriefing

Thank you for taking part in our study. **The MTurk completion code is on the next page.**

Debriefing

The replication project described in the beginning of this study was carried out from 2011 to 2015 and is known as *Reproducibility Project: Psychology*.

In our study, we investigated how the results of this project might influence the public perception of psychological science. To gain further insights into this, we reported different results of the *Reproducibility Project: Psychology*.

In our project, some participants were told that the researchers were able to replicate 83 out of 100 findings, while others were told that they replicated 39 out of 100 findings. Please know that the true results of the *Reproducibility Project: Psychology* is that researchers were able to replicate 39 out of

100 findings.

Based on this problematic result, many psychological researchers now aim to increase the replicability of their findings. Research projects are now more often open and transparent, allowing everybody to check research plans, materials and results.

Thank you for completing our study!

For further questions about this study, please contact: removed to ensure blind peer review

Please copy and paste this completion code to the MTurk survey window:

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