
Introduction

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

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 three texts carefully. **You will be asked a couple of questions about these texts.**

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. In 2015, a thorough analysis conducted by a team of 270 international scientists 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 39, meaning that the results of 61 could not be verified.

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Problem and solution

Many experts believe that questionable research practices cause this low replication rate. In the privacy of their labs, many researchers may have repeated experiments until they got spectacular results, and made less spectacular results - or failed attempts - disappear in a drawer somewhere.

To combat this, psychological researchers have since aimed 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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Infos about new project

In 2018, a new replication project was initiated, in order to test the effects of this increased transparency. A new team of international psychological researchers attempted to replicate 100 studies which were originally conducted under the new transparency guidelines.

However, initial results show no increase in replicability, as only 41 studies could be replicated, meaning that the results of 59 could not be verified.

In 2018, a new replication project was initiated, in order to test the effects of this increased transparency. A new team of international psychological researchers attempted to replicate 100 studies which were originally conducted under the new transparency guidelines.

Initial results show a large increase in replicability, as 83 studies have been successfully replicated, meaning that just the results of 17 could not be verified.

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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

☐

Two different research teams each repeated 100 different psychological studies trying to verify and thereby replicate their results.

Strongly
disagree

☐☐☐☐☐☐

Strongly agree

☐

Psychological research is now more replicable.

Strongly
disagree

☐☐☐☐☐☐

Strongly agree

☐

Trust in science

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

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 a second, similar project would influence the public opinion about psychological science. Please know that in reality no second project has been carried out yet. If you received no information about a second, similar project, you were part of the control group.

Completion Code

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:

REP3100