
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 Manipulation

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 39, meaning that the results of 61 could not be verified.

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First Click: 0 seconds

Last Click: 0 seconds

Page Submit: 0 seconds

Click Count: 0 clicks

Manipulation_Check and Text Understanding Questions

Please answer the following questions about the text 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



Trust in science and perceived value

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

☐

Please provide the following ratings.

Please note: The items of the “perceived value of psychological science”-measure are not presented here for copyright reasons. They can be found in: Broomell, S. B., & Kane, P. B. (2017). Public perception and communication of scientific uncertainty. *Journal of Experimental Psychology: General*, 146, 286–304.

This item is not presented for copyright reasons.

Very low quality



Very high quality



This item is not presented for copyright reasons.

Very low benefit



Very high benefit



This item is not presented for copyright reasons.

Very low funding



Very high funding



This item is not presented for copyright reasons.

Very low influence



Very high influence



Potential moderators

We are now interested in your opinion about science in general. Please answer the following questions.

Please note: The items of the “beliefs about science”-measure are not presented here for copyright reasons. They can be found in: Rabinovich, A., & Morton, T. A. (2012). Unquestioned answers or unanswered questions: Beliefs about science guide responses to uncertainty in climate change risk communication. *Risk Analysis: An International Journal*, 32, 992–1002.

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

☐

Finally, we are interested in your opinion on mistakes. Please answer the following questions.

Please note: The items of the learning from errors” and “error communication”-scales are not presented here for copyright reasons. They can be found in: Rybowskiak, V., Garst, H., Frese, M., & Batinic, B. (1999). Error orientation questionnaire (EOQ): Reliability, validity, and different language equivalence. *Journal of Organizational Behavior: The International Journal of Industrial, Occupational and Organizational Psychology and Behavior*, 20, 527–547.

Mistakes are often caused by internal factors, such as lack of skill or effort.

Strongly
disagree

☐☐☐☐☐☐

Strongly agree

☐

Mistakes are often caused by external factors, such as other persons or circumstances.

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

☐

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 replication project described in the beginning of this study was carried out from 2011 to 2015 and is known as *Reproducibility Project: Psychology*. You can find more information on the [homepage](#) of the Open Science Framework.

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 we told one group of participants that the researchers were able to replicate 39 out of 100 findings. The second group of participants was told that researchers were able to replicate 61 out of 100 findings. The third group of participants was told that researchers were able to replicate 83 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.

Completion

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:

REP6070