
Consent Form**Consent Form**

- I confirm that I have read and understood the General Information provided on the MTurk platform.
- I confirm that I am at least 18 years old.
- I understand that all personal information beyond age, gender, and education level will automatically be removed by the data collection program, so the collected data will be anonymous.
- I agree that the data gathered in this study may be shared anonymously and may be used for future research.
- I understand that submitted responses cannot be deleted since they cannot be identified.
- I understand that my participation is voluntary and that I am free to withdraw at any time without giving a reason.
- I agree to take part in this study.

I have read, understood, and agree to all points above

- ☐ Yes
- ☐ No

Preprint + Warning Authors I

In this study, we will present you with five short summaries of research findings that were each published online as non-peer-reviewed preprints. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings that you are about to read were published:

- ☐ As social media postings
- ☐ As non-peer-reviewed preprints
- ☐ As encyclopedia entries
- ☐ As textbooks

- ☐ As podcasts
- ☐ As blogposts
- ☐ As peer-reviewed journal articles
- ☐ As newspaper articles

Preprint + Warning Authors I - Repeated

Your answer was incorrect. Please try again.

In this study, we will present you with five short summaries of research findings that were each published online as non-peer-reviewed preprints. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings that you are about to read were published:

- ☐ As podcasts
- ☐ As encyclopedia entries
- ☐ As textbooks
- ☐ As blogposts
- ☐ As social media postings
- ☐ As non-peer-reviewed preprints
- ☐ As newspaper articles
- ☐ As peer-reviewed journal articles

Preprint + Warning Authors II

Before we present you with the research findings, please read the following information carefully and answer the questions below.

Since all manuscripts have been provided as non-peer-reviewed preprints, the authors published the following information before each manuscript.

"Scientific articles usually go through a peer-review process. This means that independent researchers evaluate the quality of the work, provide suggestions, and speak for or against the publication. Please note that the present article has not (yet) undergone this standard procedure for scientific publications."

Please answer these text-understanding-questions:

Scientific articles are usually peer-reviewed.

- ☐ True
☐ False

As part of the peer-review process, independent researchers evaluate the quality of the work.

- ☐ True
☐ False

The five research findings, that you are about to read, have been peer-reviewed.

- ☐ True
☐ False

Preprint + Warning Authors II - Repeated

At least one of your answers was incorrect. Before we present you with the research findings, please read the following information again carefully and answer the questions below.

Since all manuscripts have been provided as non-peer-reviewed preprints, the authors published the following information before each manuscript.

"Scientific articles usually go through a peer-review process. This means that independent researchers evaluate the quality of the work, provide suggestions, and speak for or against the publication. Please note that the present article has not (yet) undergone this standard procedure for scientific publications."

Please answer these text-understanding-questions:

Scientific articles are usually peer-reviewed.

- ☐ True
☐ False

As part of the peer-review process, independent researchers evaluate the quality of the work.

- ☐ True
☐ False

The five research findings, that you are about to read, have been peer-reviewed.

- ☐ True
☐ False

Preprint Warning External I

Please read the following information carefully and answer the questions below.

"Scientific articles usually go through a peer-review process. This means that independent researchers evaluate the quality of the work, provide suggestions, and speak for or against the publication. However, recently many articles are first published as preprints. Please note that these preprints have not (yet) undergone this standard procedure for scientific publications."

Please answer these text-understanding-questions:

Scientific articles are usually peer-reviewed.

- ☐ True
☐ False

As part of the peer-review process, independent researchers evaluate the quality of the work.

- ☐ True
☐ False

Preprints have been peer-reviewed.

- ☐ True

☐ False

Preprint + Warning External I - Repeated

At least one of your answers was incorrect. Please read the following information again carefully and answer the questions below.

"Scientific articles usually go through a peer-review process. This means that independent researchers evaluate the quality of the work, provide suggestions, and speak for or against the publication. However, recently many articles are first published as preprints. Please note that these preprints have not (yet) undergone this standard procedure for scientific publications."

Please answer these text-understanding-questions:

Scientific articles are usually peer-reviewed.

☐ True
☐ False

As part of the peer-review process, independent researchers evaluate the quality of the work.

☐ True
☐ False

Preprints have been peer-reviewed.

☐ True
☐ False

Preprint Warning External II

In the following, we will present you with five short summaries of research findings that were each published online as non-peer-reviewed preprints. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings that you are about to read were published:

- ☐ As textbooks
- ☐ As podcasts
- ☐ As blogposts
- ☐ As peer-reviewed journal articles
- ☐ As newspaper articles
- ☐ As non-peer-reviewed preprints
- ☐ As social media postings
- ☐ As encyclopedia entries

Preprint Warning External II - Repeated

Your answer was incorrect. Please try again.

In the following, we will present you with five short summaries of research findings that were each published online as non-peer-reviewed preprints. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings that you are about to read were published:

- ☐ As peer-reviewed journal articles
- ☐ As encyclopedia entries
- ☐ As blogposts
- ☐ As textbooks
- ☐ As social media postings
- ☐ As newspaper articles
- ☐ As podcasts
- ☐ As non-peer-reviewed preprints

Manipulation_preprint

In the following, we will present you with five short summaries of research findings that were each published online as non-peer-reviewed preprints. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following text-understanding sentence.

The five research findings that you are about to read were published:

- ☐ As social media postings
- ☐ As textbooks
- ☐ As podcasts
- ☐ As newspaper articles
- ☐ As blogposts
- ☐ As non-peer-reviewed preprints
- ☐ As encyclopedia entries
- ☐ As peer-reviewed journal articles

Manipulation_preprint - Repeated

Your answer was incorrect. Please try again.

In the following, we will present you with five short summaries of research findings that were each published online as non-peer-reviewed preprints. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings that you are about to read were published:

- ☐ As blogposts
- ☐ As newspaper articles
- ☐ As social media postings
- ☐ As peer-reviewed journal articles
- ☐ As non-peer-reviewed preprints
- ☐ As textbooks
- ☐ As podcasts
- ☐ As encyclopedia entries

Manipulation_peerreview

In the following, we will present you with five short summaries of research findings that all went through a peer-review process and were published in a scientific journal. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings, that you are about to read, were published:

- ☐ As newspaper articles
- ☐ As peer-reviewed journal articles
- ☐ As blogposts
- ☐ As podcasts
- ☐ As textbooks
- ☐ As social media postings
- ☐ As non-peer-reviewed preprints
- ☐ As encyclopedia entries

Manipulation_peerreview - Repeated

Your answer was incorrect. Please try again.

In the following, we will present you with five short summaries of research findings that all went through a peer-review process and were published in a scientific journal. We kindly ask you to thoroughly read the summaries and then answer a question about the credibility of each result.

Please complete the following sentence.

The five research findings that you are about to read were published:

- ☐ As non-peer-reviewed preprints
- ☐ As newspaper articles
- ☐ As peer-reviewed journal articles
- ☐ As textbooks
- ☐ As social media postings
- ☐ As blogposts
- ☐ As podcasts
- ☐ As encyclopedia entries

Claim1

Do people preserve common resources for future generations if they make collective decisions? In a game, participants chose how many resources they would extract from a pool, and how many they wanted to preserve for future game players. In one group, each participant made their own decision on how many resources they want to extract from the pool. In the other group, participants voted for the combined amount of resources they would extract.

Study result: If people had to vote on the combined amount of resources they would extract from the pool, more resources were preserved for future generations of game players.

How credible is this study result?

Not at all credible

☐☐☐☐☐☐☐

Very credible

Claim2

Are groups less likely to reduce inequality if the group members know the wealth of each other? In a game, participants could share resources with co-players or keep it to themselves. At the start of the game, the resources were distributed unevenly between the players. In one group, participants saw the amount of resources of other players. In the other group, participants only saw their own resources. Study result: If participants knew the amount of resources from other players, the inequality between the players remained higher.

How credible is this study result?

Not at all credible

☐☐☐☐☐☐☐

Very credible

Claim3

Does analytic thinking trigger religious disbelief? Participants looked at an image. One group looked at an image of "The Thinker", that is a sculpture of a person in a thinking position. The other group looked at an image that depicted a sculpture of a discus thrower. Afterward, they answered questions about their religiosity.

Study result: Participants who had seen "The Thinker" reported lower religious belief compared to people who had seen the sculpture of a discus thrower.

How credible is this study result?

Not at all credible

☐☐☐☐☐☐☐

Very credible

Claim4

Do people enjoy doing nothing? Participants spent a short amount of time by themselves in an empty room. In one group, participants were instructed to spend their time on a non-social activity (e.g., listening to music, reading a book, surfing the Web). In the other group, participants were instructed to entertain themselves with their thoughts (without any external activity). Afterward, participants answered questions about how enjoyable this experience was.

Study result: If participants had just their thoughts to entertain themselves, they enjoyed themselves

less.

How credible is this study result?

Not at all credible

☐☐☐☐☐☐☐

Very credible

Claim5

Does poverty drain people's attention? Participants played the game "Wheel of Fortune", a game in which people have to guess letters in word puzzles. In one group, participants were given 6 chances per round to guess letters (i.e., 'poor' players). In the other group, participants were given 20 chances per round to guess letters (i.e., 'rich' players). Afterward, they completed an attention task. Study result: If participants were given only a few chances per round to guess letters, they performed worse in the subsequent attention task.

How credible is this study result?

Not at all credible

☐☐☐☐☐☐☐

Very credible

Mediators

Please think back to the five research findings you just rated and **consider all of them together**. Overall, how strongly do you agree with the following statements:

The quality of the research findings has been strictly controlled.

Strongly disagree

☐☐☐☐☐☐☐

Strongly agree

When publishing their findings, the researchers followed the standard procedure of the research community.

Strongly disagree

☐☐☐☐☐☐☐

Strongly agree

Demographics

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

Gender:

- ☐ Male
- ☐ Female
- ☐ Open entry

Please indicate your age.

Have you heard of the scientific peer-review process before this study?

- ☐ Yes
- ☐ No

Have you heard of scientific preprints before this study?

- ☐ Yes
- ☐ No

I am familiar with the scientific publication process.

Strongly disagree

☐☐☐☐☐☐

Strongly agree

☐

What is the highest degree or level of school you have completed?

- ☐ Did not finish high school
- ☐ High school graduate or some college attendance
- ☐ College graduate
- ☐ Postgraduate degree
- ☐ Prefer not to say