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Caution Preprint Study 3 (#37232)

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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 are interested in participants' credibility evaluation of preprints and peer-reviewed articles. When being informed about the difference between peer-reviewed articles and preprints, we predict that participants will evaluate peer-reviewed articles as more credible than preprints.

3) Describe the key dependent variable(s) specifying how they will be measured.

We will measure the perceived credibility of scientific results published in preprints with one item.

We will measure the perceived credibility of scientific results published in peer-reviewed articles with one item.

4) How many and which conditions will participants be assigned to?

Participants will evaluate both, the credibility of scientific results published in preprints and the credibility of scientific results published in peer-reviewed articles (in randomized order). We thus employ a within-subject design without any between-conditions.

5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.

We will calculate a t-test for dependent samples comparing the perceived credibility of preprints and the perceived credibility of peer-reviewed articles.

We expect that participants will evaluate peer-reviewed articles as more credible than preprints.

6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.

We do not plan to exclude any participants.

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.

We aim to recruit a sample of at least 45 participants. If by chance, we collect more (as it can happen in online studies), we will analyze data from all participants.

8) Anything else you would like to pre-register? (e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)

We collect age, gender, whether participants have studies or study psychology, and prior knowledge on preprints and peer-review in order to describe our sample.