

## #79821

**Author(s)**

This pre-registration is currently anonymous to enable blind peer-review.  
It has 2 authors.

**Pre-registered on:**

2021/11/12 09:58 (PT)

**1) Have any data been collected for this study already?**

It's complicated. We have already collected some data but explain in Question 8 why readers may consider this a valid pre-registration nevertheless.

**2) What's the main question being asked or hypothesis being tested in this study?**

Our main question is whether people believe that they are more interested in getting to know someone who is different from them than they believe someone who is different from them is in getting to know them.

Specifically, will people underestimate how much someone of a different personality type is interested in talking? We will also compare how much people underestimate the interest of someone of a different personality type to how much people underestimate the interest of someone of the same personality type.

We are also interested in whether people's beliefs about how much someone of a different personality type is interested in talking predict their choice of talking to someone of a different personality type.

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

Participants will answer the six questions below twice, once in reference to someone with the same personality type, and once in reference to someone with a different personality type:

1.  
(a) How much will you think you will like the other person? (self) / (b) how much do you think the other person will like you? (other)
2. (a) How interested are you in getting to know the other person? (self) / (b) how interested do you think the other person is in getting to know you? (other)
3. (a) How much do you think you will enjoy talking to the other person? (self) / (b) how much do you think the other person will enjoy talking to you? (other)

Our main DV will be a composite of these 3 variables for the self judgment (1a, 2a, 3a) and the other (1b, 2b, 3c) judgment.

Participants will answer the following question twice, once in reference to a similar person, and once in reference to a different person:

1. Do you choose to talk to this person?

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

4 within-subjects conditions: 2 (similarity: same/different personality type) x 2 (who: self/other)

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

Our primary analysis will be a MLM regression with a random effect for participant. Our primary analysis is to see whether, people underestimate how interested someone different would be in talking (self vs. other). Then we will test for the following interaction: similarity (same vs. different personality type) x 2 who (self vs. other).

We will also use a logistic regression to test whether people's beliefs about how interested someone of different would be in talking (i.e., their metaperceptions) predict their likelihood of choosing to talk to someone of a different personality type. We will also run a logistic regression controlling for people's own interest in talking to someone of a different personality type. For these analyses, we have a directional prediction that metaperceptions will influence choice; specifically, that lower metaperceptions will make people less likely to choose to talk to someone of a different personality type.

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

1. Fail screener questions (e.g., "In which of these grades are students about 4 or 5 years old?") - these are prescreen questions; if participants fail to answer them correctly, they are excluded from participating in the study.
2. Fail an embedded attention check item (e.g., "select five if you're paying attention")

**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 will recruit 800 participants

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

Note: Data collection is underway, and we have not analyzed it yet.