

(#75058)

**Author(s)**

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

**Pre-registered on:**

2021/09/19 11:58 (PT)

**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?**

Our main question is whether people believe that they are more interested in getting to know someone of a different race than they believe someone of a different race is in getting to know them. In short, will people underestimate how much someone of a different race is interested in talking? We will also compare how much people underestimate the interest of someone of a different race to how much people underestimate the interest of someone of the same race.

A secondary question is whether our main effect is the same or different for Black and White participants.

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

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

Participants (who are either Black or White themselves) will answer the two questions below twice, once in reference to a Black person, and once in reference to a White person:

1. How interested are you in getting to know this person? (self)
2. How interested do you think this person is in getting to know you? (other)

Participants (who are either Black or White themselves) will answer the following question twice, once in reference to a Black person, and once in reference to a White person:

3. 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 race) x 2 (who: self/other), and 2 between subjects conditions: race (Black/White).

**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, collapsing across participant' race, people underestimate how interested someone of a different race would be in talking (self vs. other). Then we will test for the following interaction: similarity (same vs. different race) x 2 who (self vs. other).

We will also run two additional analyses to explore whether the participant's own race has an effect on the results just mentioned. We will run a two-way interaction between participants' own race (Black vs. White) x 2 who (self vs. other); and also a 3-way interaction between own race (Black vs. White) x similarity (same vs. different race) x 2 who (self vs. other).

We will also use a logistic regression to test whether people's beliefs about how interested someone of a different race would be in talking (i.e., their metaperceptions) predict their likelihood of choosing to talk to someone of a different race, controlling for their own interest in talking to someone of a different race. For this analysis, 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 race.

We will also use posthoc comparisons to see whether the relationship between metaperceptions and choice differs for Black vs. White participants.

Finally, we will also test whether people choose to talk to someone who is of a similar vs. different race more frequently. This is of interest but we don't have a directional prediction.

**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")
3. Fail to indicate they are members of the race category recruited (Black, White), a) in the demographics and b) in the avatar they select to represent themselves.

**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 1,200 participants

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

Note that we will also recruit an even number of male and females of both races, and so while gender effects are not our primary concern, we will explore whether there is any effect of gender.

We will also ask participants how similar they feel to their potential conversation partners, and we will explore whether their perceived similarity to their conversation partners relates to any of our effects.