*Individualism/Collectivism self-construal scale.* Due to online survey length limitations, we used an adapted version of the self-construal scale to measure participants’ collectivism and individualism tendencies. This adapted version of the scale includes four items to measure collectivism, measured on a four-point scale (strongly disagree – strongly agree): 1. In general, groups I belong to are an important part of my self-image; 2. My happiness depends on the happiness of those around me; 3. I often have the feeling that my relationships with others are more important than my own accomplishments; 4. I feel good when I cooperate with others (Cronbach’s alpha = 0.72), and four items to measure individualism: 1. My personal identity, independent of others, is very important to me; 2. I try to do what is best for me, regardless of how that might affect others; 3. I feel it is important for me to act as an independent person; 4. Being able to take care of myself is a primary concern for me (Cronbach’s alpha = 0.70). We collected an independent sample of participants (n = 191) to validate this adapted measure (see supplemental materials).

**Validating the adapted self-construal scale**

In order to decrease participant burden, we used an adapted version of the original self-construal scale in Study 1 and Study 3. The adapted self-construal scale included 8 items, 4 for individualist (or independent) self-construal and 4 for collectivist (or interdependent) self-construal. This sample was collected between May 19th and May 20th, 2020. This study was approved by the Institutional Review Board at the University of Pennsylvania.

*Participants.* We collected an independent sample of 191 participants to validate the adapted self-construal scale. 191 participants were recruited from Mturk. Among the participants who provided demographic data, participants were on average between 21 and 70 years old (Mean = 36.4, SD = 10.93), mostly white (75.18%; African American: 19.15%; Asian: 4.26%; American Indian or Alaska Native: 1.42%), and mostly male (60.42%; female: 38.89%; other: 0.69).

Measures. Participants responded to the original self-construal scale (30 items) as well as the adapted short self-construal scale (8 items). In addition, participants answered questions on their demographics.

*Internal validity.* Overall, the original self-construal scale achieved good internal consistency (individualist self-construal: cronbach’s alpha = 0.86; collectivist self-construal: cronbach’s alpha = 0.86). The adapted 8-item version of the self-construal scale achieved acceptable internal consistency (individualist self-construal: cronbach’s alpha = 0.64; collectivist self-construal: cronbach’s alpha = 0.60).

*Association between original and adapted measures.* We examined whether the adapted self-construal scores would be associated with the self-construal scores using original scale. Our results indicated that the two individualist self-construal scores were positively associated (Pearson’s r = 0.61.33, df = 189, p < 0.001), and the two collectivist self-construal scores were positively associated (Pearson’s r = 0.68, df = 189, p < 0.001). See Supplemental Figure 1.

Supplemental Figure 1. Association between the original and adapted measures of (A) the individualist self-construal and (B) the collectivist self-construal.

Chart, scatter chart

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