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Background

- Trust is an important social decision that impacts people’s daily lives
- Prior research suggests that trustworthiness judgments can be influenced by race and emotion¹
- We examined the effect of race and emotion on perceived trustworthiness using adult age-representative stimuli
- We created an initial set of facial stimuli by taking photographs of younger, middle-aged and older adults from the two predominant racial minority groups in the U.S. (Black/African American and Hispanic/Latino) expressing six emotions

Research Question

What would be the effects of race and emotion on trust judgment in a racially and adult age-representative sample?

Hypothesis

- Perceived trustworthiness is significantly higher for the racial ingroup than the outgroup
- Perceived trustworthiness is significantly different between emotions

Method

Participants

| n=48 | | | | | | | |
|---------|--------|-------|-------|--------|-------|-------|-------|
| Age Bin | Male | | | Female | | | Total |
| | Latino | Black | White | Latina | Black | White | |
| 25-44 | 2 | 3 | 3 | 3 | 2 | 3 | 16 |
| 45-64 | 3 | 2 | 3 | 3 | 3 | 2 | 16 |
| 65-85 | 3 | 3 | 2 | 2 | 3 | 3 | 16 |
| | | | | | | | 48 |

Procedure

Trust Task

Rate the trustworthiness of facial models (1-100 Slider Scale)



N = 144 photos (12 adults ages 25-85)

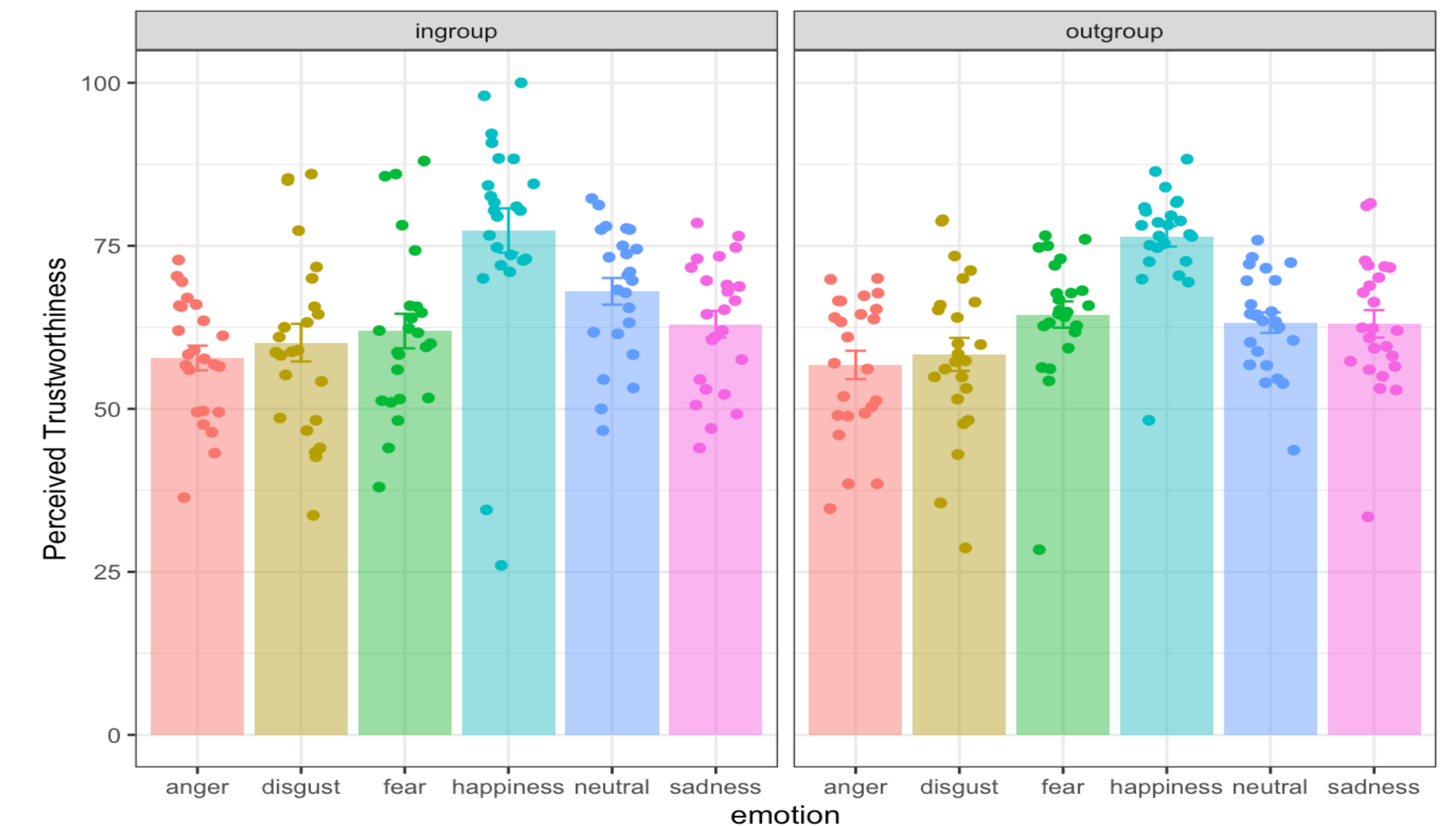
Models

| diverseFACES - n=36 | | | | | |
|---------------------|--------|-------|--------|-------|-------|
| Age Bin | Male | | Female | | Total |
| | Latino | Black | Latina | Black | |
| 25-44 | | 2 | 3 | 1 | 6 |
| 45-64 | 2 | 1 | | 2 | 5 |
| 65-85 | | 1 | | | 1 |

Six Emotional Expressions:

Happiness, Sadness, Fear, Anger, Disgust, & Neutral

Results



- Perceived trustworthiness is significantly higher for the racial ingroup than racial outgroups
- Perceived trustworthiness is significantly different between all emotional expressions and the neutral expression, except fear

Conclusions

- We observed that perceived trustworthiness is significantly higher for the racial ingroup than the outgroup
- We found that perceived trustworthiness is significantly different between all emotional expressions and the neutral expression, except fear
- These findings suggest that emotional expression and racial identity may influence trust judgment which may lead to bias and discrimination

¹ Tortosa, M., Strizhko, T., Capizzi, M., & Ruz, M. (2013). Interpersonal effects of emotion in a multi-round Trust Game. 34, 179–198. <https://files.eric.ed.gov/fulltext/EJ1018812.pdf>

