

On Intersectionality: Visualizing the invisibility of Black women (#30500)

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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?

Main questions:

1. In evaluating societal views of social groups, are the effects of race and gender additive or do they interact (intersectionality)?
2. Do the underlying dimensions of evaluation (e.g., principal components) or perceived dimensions of racial or gender difference differ by the gender and/or by race of the participant?

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

Ratings (7-point Likert scale) on 10 dimensions for each social group (these dimensions are from stereotype content model and from Osgood's semantic differential)

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

Social group race and gender: (9) There are nine conditions that manipulate whether gender (men or women) or race (black or white) info is presented in conjunction with each of 18 social groups (e.g., homeless, rich, old, educated, etc.). These conditions are none, male, female, black, white, black male, black female, white male, and white female.

Participant race and gender: (4) Equal numbers of black men, black women, white men and white women will serve as participants.

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

Main analysis: PCA will be used to reduce the 10 dimensions for analysis across all groups. LMER modeling will consider effects of participant race and gender and social-group race and gender, on main dimensions from the PCA (e.g., PC1, PC2 and PC3.)

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

A simple categorization task used as an attentional test will exclude participants who make more than 20% errors. Participants will be making 90 ratings. If any sequence of 30 ratings do not differ from each other, their data will be excluded.

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 seek to include data from 1440 participants (360 for each combination of race and gender). Each participant rates half of the 18 social roles, so we will have 720 ratings for each dimension for each role (40 for each of 9 conditions).

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

Test for interaction effects of race and gender identity information within different clusters of social groups (clustered in the evaluative space defined by PCA of the ratings).

Additionally, we will seek to use CFA (confirmatory factor analysis) to test whether model structures derived from the ratings differ for different participant racial groups and or gender groups.