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How Benevolent Sexism Shapes Perceptions of Muscular Women

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INTRODUCTION:

Social Role Theory: Gendered behaviors stem from culturally assigned roles (Eagly & Wood, 2012).

Feminine Norms: Prescribe that women be gentle, passive, and dependent- qualities challenged by displays of physical strength (Musolino et al., 2021; Rosdahl, 2014).

Body Ideals: Both men and women prefer low body fat over muscle mass in women and associate muscularity with masculinity (Brierley et al., 2016; McCreary et al., 2005).

Muscular Women: Judged as less feminine, less attractive, and more stereotypically masculine (Forbes et al., 2004).

Benevolent Sexism: Rewards women who conform to traditional femininity (Bareket & Fiske, 2023). Women who defy these norms, like muscular women, may be penalized (Rosdahl, 2014).

Research Gap: Although muscular women are known to elicit negative judgments in terms of social and attractiveness judgments (Forbes et al., 2004), their links to sexist attitudes remains underexplored. This study addresses that by focusing on benevolent sexism, which reinforces appearance-based norms (Sáez et al., 2025). Hostile sexism, which targets broader gender nonconformity (Bareket & Fiske, 2023), was explored as well.

OBJECTIVE:

To test whether benevolent sexism predicts how muscular vs. nonmuscular women are perceived in terms of attractiveness, femininity, and masculinity.

HYPOTHESES:

H1 - Main Effects: Muscular women will be rated as less attractive, less feminine, and more masculine than non-muscular women.

H2 - Moderation: These effects will be stronger among participants high (vs. low) in benevolent sexism (and hostile sexism, as exploratory hypothesis).

PROCEDURE:

Participants viewed randomized images of muscular and nonmuscular women, rated each image on the seven traits, and then answered the sexism and demographic measures.





METHOD:

Design: Within-subjects.

Stimuli: 10 Al-generated images (5 pairs of muscular vs. nonmuscular women).

Sample: N = 112, aged 18-66 (M = 34.11, SD = 14.4); 46 men, 59 women, 7 other.

Measures:

- 6-item Sex-Role Stereotype Questionnaire (Musolino et al., 2021) assessed feminine traits ($\alpha_{muscular} = .85$, $\alpha_{non-muscular} = .75$) and masculine traits ($\alpha_{\text{muscular}} = .84$, $\alpha_{\text{non-muscular}} = .76$) per image.
- Single-item Attractiveness (Musolino et al., 2021) assessed per image (6-point Likert; $\alpha_{\text{muscular}} = .84$, $\alpha_{\text{non-muscular}} = .70$).
- 12-item Ambivalent Sexism Inventory (Glick & Fiske, 1996) assessed benevolent ($\alpha = .76$) and hostile sexism ($\alpha = .80$).

RESULTS:

Linear mixed model analysis-

'high' and 'low' sexism levels were defined as ±1 standard deviation from the mean.

- H1- Main Effects: Muscular (vs. non-muscular) women were rated as less attractive ($\beta = -1.45$, p < .001), less feminine ($\beta = -0.87$, p < .001), and more masculine ($\beta = 0.86$, p < .001).
- H2- Benevolent Sexism × Body Type: Participants high (vs. low) in benevolent sexism rated muscular (vs. non-muscular) women as less feminine ($\beta = -0.17$, p = .004).
- Exploratory- Hostile Sexism × Body Type: Participants high (vs. low) in hostile sexism rated muscular (vs. non-muscular) women as less attractive ($\beta = -0.22$, p = .030).

DISCUSSION & CONCLUSIONS:

- Benevolent sexism penalizes women who deviate from traditional feminine ideals.
- Hostile sexism reflects backlash against gender nonconformity, particularly physical strength in women.
- Across the board, muscular women were rated as more masculine, suggesting that physical strength Is culturally linked to masculinity, beyond individual attitudes.

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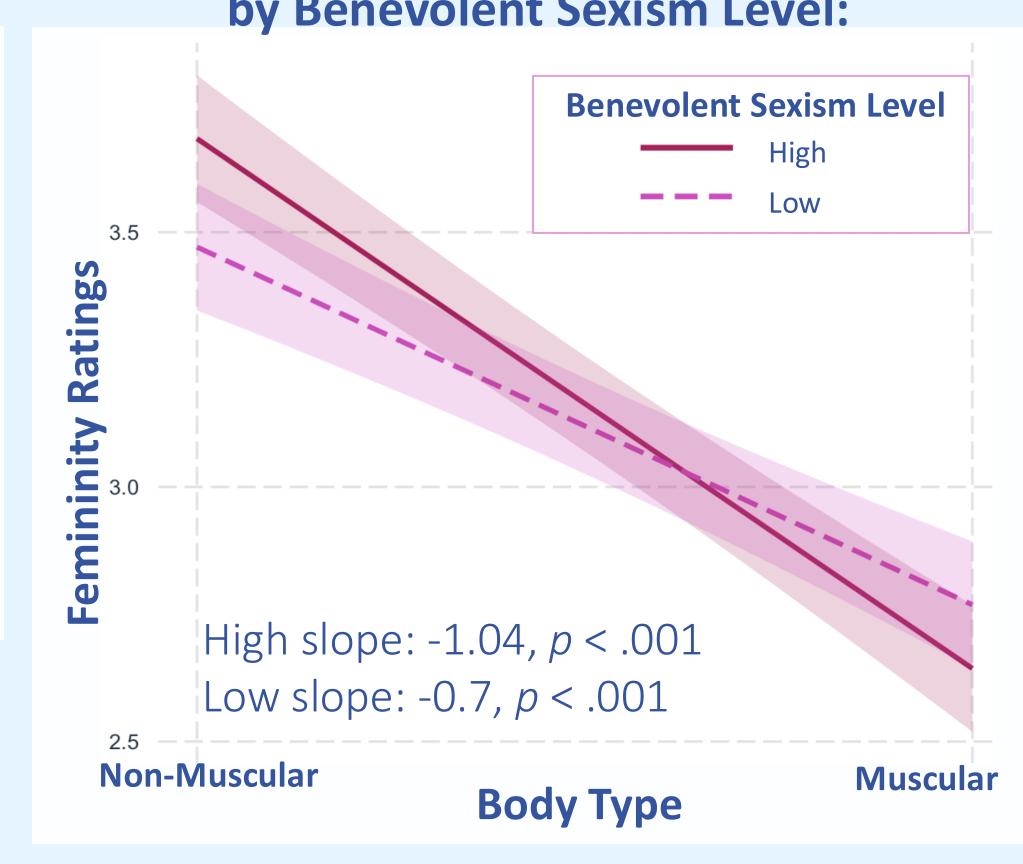
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Effect of Muscle Type on Femininity by Benevolent Sexism Level:



Effect of Muscle Type on Attractiveness

