



Data+ 2018: Project 6: Women's Spaces "Quantifying Representation in Women's Magazines"

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Objective: Understand how representations of women in magazines reinforce/undermine gender norms.

Background: Popular magazines influence mainstream perceptions of women and how women see themselves by choosing who to feature on the cover, which products to advertise, and which points of view to represent.

Research Question: Which messages are pervasive in women's and men's magazines and how do these messages change over time, across magazines, and between different target audiences?

Data: 500+ covers from *Cosmopolitan*, *Esquire*, *Essence*, *Good Housekeeping*, *Seventeen* (Jan. 2010 - Jun. 2018)



Image Analysis

Microsoft Azure Face Detect w/ Python identified cover model(s), perceived gender, age, emotion, and smile intensity. We recorded race/ethnicity and hair length.

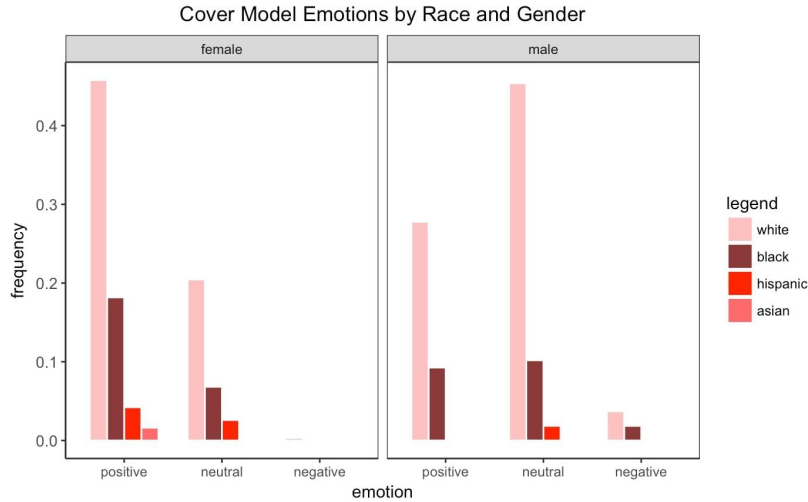


Figure 3: Men Exhibit More Emotional Variance. Most female cover models display positive and some neutral emotions, whereas most male cover models display neutral emotions and exhibit the full range of positive, negative, and neutral emotions across magazines. This may be indication that men are viewed as more complex and sophisticated than women in magazines.

Magazine covers lack diversity. Excluding Essence, 85% of cover models are white and appear to have below average body sizes. Asian men are not represented in any magazine.



Takeaways

Women's magazines tend to reinforce gender norms and stereotypes. While each magazine caters to different audiences, the same messages are being conveyed to women across magazines (sex, beauty, domesticity, and women's roles).

Do women's magazines have a responsibility to empower women? If so, women's magazines should include a more diverse representation of women and present a wider range of messages.