

Approach

We will be inclusive and respectful in our class discussion:

Respect ideas / people: DISCUSS... DEBATE IN CONSTRUCTIVE WAYS:

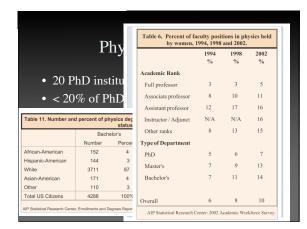
Inappropriate: "Crazy"

Appropriate: "This goes too far ... because..."

Two Part Workshop

- I. Gender /Race in the big picture and its role in science (and visa versa) -- Today
- II. Rising to the concrete: local research / practice that might have something to say -- Thurs

"I think of these latent functions as the true goals/intentions of the more obvious functions of a particular objective"



A common language Schiebinger's definitions: (pg 8 &16) Gender - power relations between the sexes Female / Male- biological sex Feminine / Masculine - idealized mannerisms and behaviors of women / men in a particular culture - might also be adopted by other sex Gender ideologies- acceptable traits for men and women Gender identity: - how any individual appropriates aspects of gender ideology Gender ascription - behaviors expected of an individual based on sex

M/C Question

- a) Science is gendered but only through practice (the content, subject matter is neutral)
- b) Science is gendered in both content and practice
- c) Science is not gendered
- d) It depends on specific activities (some science is, some is not)

Content and Culture

- Culture of science gendered?
 - Participation / Inclusion
 - Practices -- how we go about science
 - Assessments SAT, GRE(!), FCI
 - History
 - Social Practices
- Content Gendered?
 - Is "turning the crank" of science gendered?
 - "To me there's only one way of doing science: It is procedural, based on informed conjecture and on empirical evidence."
 - What's social about $\mathbf{F} = \mathbf{ma}$?
 - How do we decide what questions get asked?

Exercise

- Come up with a classroom practice that is gendered
- Come up with a science practice that is gendered

Is this a matter

- Of privilege and power?
 - It's not a matter of exclusion
 - But science is predisposed / supportive of a particular paradigm
- For the marginalized to solve?

"In matters of race [and gender] we often assume that when a situation is objectively the same for different groups, it is experienced in the same way by each group." - Steele

it makes no sense to me to ignore the differences in where we come from and who we are as students. It seems like another DUH moment tho.

Amendment 46: Prohibit state from discriminating against or granting preferential treatment to any individual or group on the basis of race, sex, color, ethnicity, or national origin in the operation of public employment, public education, or public contracting

Reigning paradigms

As for the "queen bees", I have previously heard of women who "pull the ladder up after them". What is the source of this behavior?

Mechanisms of Bias

- Implicit Bias
- Stereotype Threat

Implicit Bias?

- https://implicit.harvard.edu
- It is well known that people don't always 'speak their minds', and it is suspected that people don't always 'know their minds'. Understanding such divergences is important to scientific psychology.





Stereotype Threat

Stereotype threat refers to being at risk of confirming, as selfcharacteristic, a negative stereotype about one's group. - wikipedia

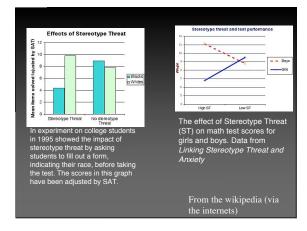
"Culturally-shared stereotypes suggesting poor performance of certain groups can, when made salient in a context involving the stereotype, disrupt performance of an individual who identifies with that group" (Steele, Aronson 1995).

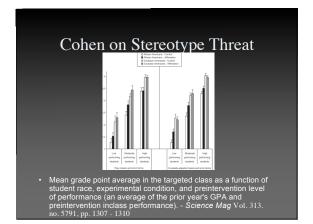
Who is vulnerable

- All folks who can identify with group!
- SOCIAL IDENTITY
- Note two-fold threat:
 - Situation (all subject to)
 - Stereotype fulfilling other's vision of the group you identify with

Stereotype Interventions

- Addressing ST:
 - Trust
 - Fair environment / tests
 - Using high standards
 - Belief in ability to succeed
 - Remove the threat by removing stereotype
 - Building a community







Other Examples of Stereotype Threat

- Elderly and memory
- White men and math
- Economically disadvantaged students and test performance

Exercise

- Come up with a classroom practice that is gendered
- Come up with a science practice that is gendered