GENDER DIVERSITY, REPRESENTATION IN CS

// CLASS 15

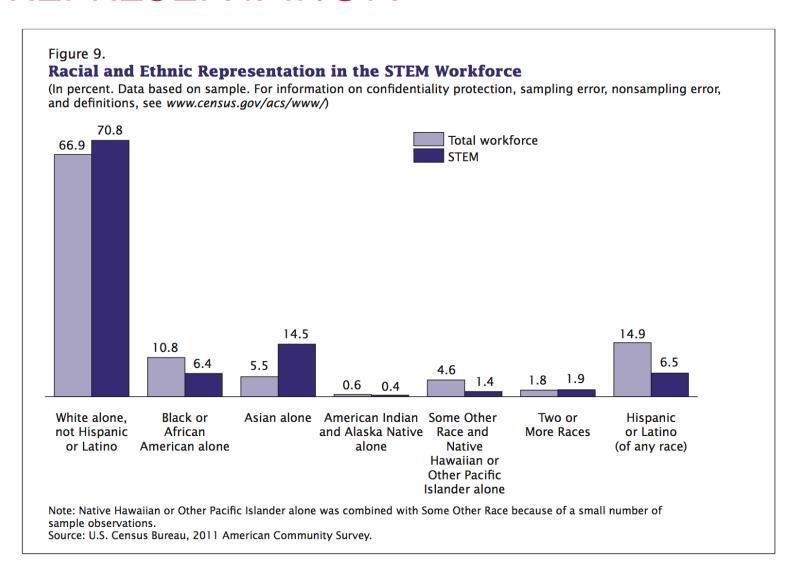
FALL 2015 / SECTION 02 / HOLLY BUCK

ADOPTED FROM SLIDES BY DR. CYNTHIA MATUSZEK

TODAY'S CLASS...

- Note: Office hours canceled today
- Mini-lecture / readings review
- Discussion

A WIDER LOOK AT REPRESENTATION



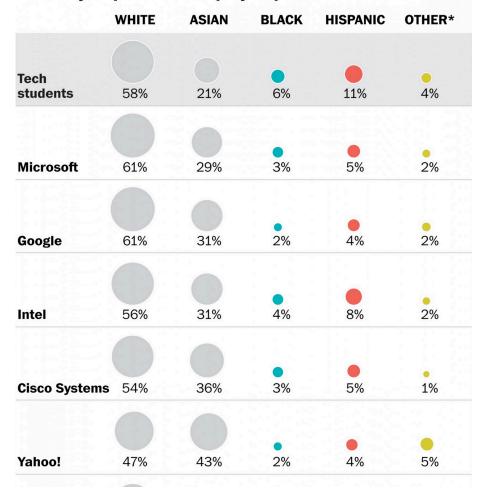
A WIDER LOOK AT REPRESENTATION

Yahoo: African-Americans 2% of workers; Hispanics 4%

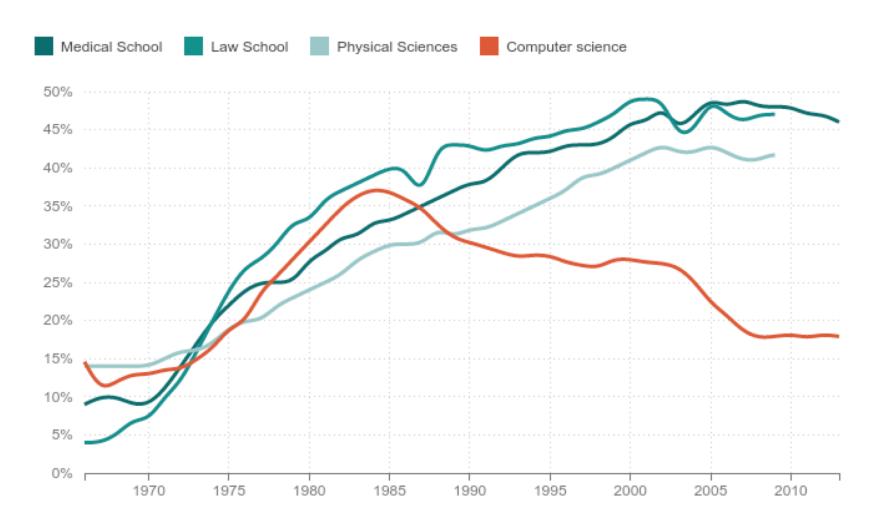
Facebook in 2014: 81 out of 5,500 workers were African-American

http://www.washingtonpost.com/business/economy/who-can-tech-companies-hire/2015/07/13/31dcbba4-29a4-11e5-a250-42bd812efc09_graphic.html

Diversity of potential employee pool vs. workers in 2014

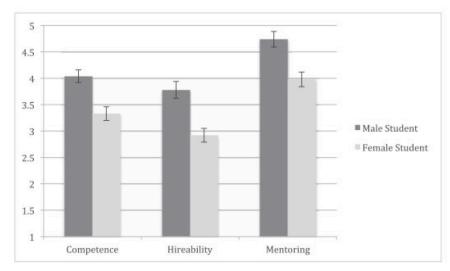


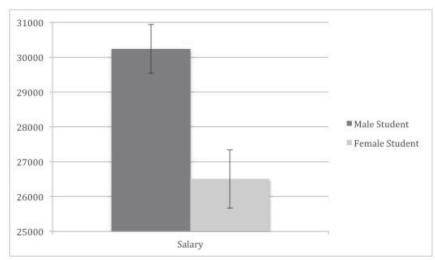
WOMEN IN CS



RESUME STUDIES

- VERY widely replicated
- Send resumés (only) to 2000-10,000 employers
- Variations: gender/ethnicity of name; PTA membership; lots of others but we'll focus on these





\$30,238 / \$26,508

C.A. Moss-Racusin et al, Proceedings of the National Academy of Sciences

PARENTHOOD

After controlling for:

Experience, Education, SES, hours worked, spousal income

Mothers made, on average, 4% less per child

Fathers made, on average, 6% more

Resumé studies: either mention the PTA or don't

Again, otherwise identical

"Mothers": \$11,000 < childless women

"Mothers": \$13,000 < fathers

Gap widens for lower-income jobs

Discussion: why mothers vs. parents?

CORPORATE CULTURE

- Few women in high tech, even though tech employs finance, marketing, sales people, and 40% of MBAs go to women
- In an analysis of 10,000 MBA graduates from 2007 to 2014 in the United States, Canada, Europe and Asia, 53 percent of the women left tech-intensive professions for other work, compared to 31 percent of the men.

http://www.washingtonpost.com/news/on-leadership/wp/2014/10/23/why-are-so-few-women-even-on-the-business-side-of-tech-companies/

http://valleywag.gawker.com/techcrunch-disrupt-kicks-off-with-titstare-app-and-fa-1274394925

"THEY'RE JUST NOT INTERESTED"

 "Women in tech are great. There's just not that many of them because tech is just a kind of thing that a lot of women aren't that interested in, I think." — Pax Dickinson, former CTO of Business Insider

- Counterpoints:

- Put on certain tracks from infancy
- High school: in 2013, 18% of people taking AP CS examwere women, 8% Hispanic, 4% African American
- Hiring / educational biases
- Non-inclusive cultures
 - Means that it is less a matter of "choice" or "interest"

WHY IS THIS IMPORTANT?

- Economic advantages to diverse teams?
- Diversity of experiences
- Diversity of ideas
- More engineers on market?
- Ethics..?
 - Bureau of Labor Statistics median salary for early childhood educators: \$27,130 per year \$13.04 per hour
 - For computer scientists: "\$75,000 or more"
- [your answer here]

DISCUSSION

- 1. When might it matter to you?
- 2. What can/should people do differently? Employers? Teachers? Schools? You?
- 3. What would you personally change?
- 4. Professionally?
- 5. In the next 5 years?