Inequality

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Quiz

Campbell (2000) suggests that:

(A) Males prefer challenge, debate and collaboration

(B) Commands like grep, sed and awk are gender biased

(C) Men prefer "rapport talk" while women prefer "report talk"

(D) Women were said to "dominate" a forum at 50% of contributions

(E) Computer labs should schedule a "women-only" time

Goodman (2013) reported that:

(A) 91% of Americans have broadband at home

(B) 66% of 18-29 year-olds have a laptop; 57% have a smartphone

(C) 98% of the U.S. population has access to 3 Mbps downstream

(D) >95% of Fortune 500 companies require online job applications

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What points from Campbell (2000) are now out of date?

What points from Campbell (2000) are still relevant?

Learning Styles: Concepts and Evidence (2009)

What is the theory of learning styles?

- Different people learn better from different teaching styles
- E.g. visual vs. verbal

What is wrong with the following experiments?

- Survey students, asking what learning style they prefer.
- Randomly assign students to different teaching styles, measure test performance for each style.

Results of literature review:

- Different people prefer different styles
- No evidence they learn better from that style

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Women in Computing - Take 2 (2009)

Stats on women in CS:

+ undergrad degrees: 7,000 in 1995 → 11,000 in 2005
+ doctoral degrees: 16.5% in 1997 → 19.8% in 2005
+ full professors: 5% in 1995 → 10.9% in 2007
- undergrad degrees: 37% in 1985 → 22% in 2005
- intention to major in CS: 2.8% in 1985, 1.3% in 1995, 0.4% in 2006
- employed in math and CS: 33% in 1984 → 27% in 2004

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Women in Computing - Take 2 (2009)

A sample of initiatives for women in technology:

- Girls Scouts' Girls Go Tech
- Educating Girls for Engineering (EDGE) Workshop at Union College
- ACM Committee on Women in Computing
- Google Anita Borg Memorial Scholarship
- Harvey Mudd College course restructuring
- Teaching pair programming (11.1% $\rightarrow$ 46.3% declare CS major)
- CRA-W's Distributed Research Experiences for Undergraduates
- National Science Foundation criteria 2: broadening participation of underrepresented groups in STEM

- Who have you met that doesn't have internet access?

- Where can you go for free internet access?

History:

- 1933 - Launched by former editor of Time
- 1961 - Bought by Washington Post Company
- 2009 - Refocused on opinion/commentary; 50% decline in subscriptions
- 2010 - Merged with online publication The Daily Beast
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Does this affect the Digital Divide?

Decline of Print Media

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Does this affect the Digital Divide?

Digital Textbooks

A High School Without Textbooks

How would the different factors interact with the Digital Divide?

- Cost to schools?
- Cost to students?
- Alternate learning strategies?
- One-on-one interactions?
- Weight of backpacks?
- Social media distractions?