don't be a robot.

#HumanizingSTEM

Humanizing
ONLINE STEM COURSES

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The STEM Academic Pathway

- 14.7% of STEM undergraduates are Black, Latinx, Native American

- Students from minoritized groups (including women) are more likely to leave STEM majors

(Estrada, et al. 2016)
Why do students leave?

- “Chilly” course climate
  - Passive learning (heavy lecture) (Eagan, 2016)
  - Competitive culture (high stakes exams, curve grading) (Hughes, Hurtado, & Eagan, 2014)
    - Worsened by instructor Implicit Bias, student exposure to Stereotype Threat
Human connection is the antidote.
Online Courses Matter

• Undergraduates with *blended* course schedules persist at higher rates than those who take all courses F2F or online (James, Swan & Daston, 2015).

BUT …

• Online students can feel even more isolated.

• Racial and ethnic achievement gaps are exacerbated online.
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