

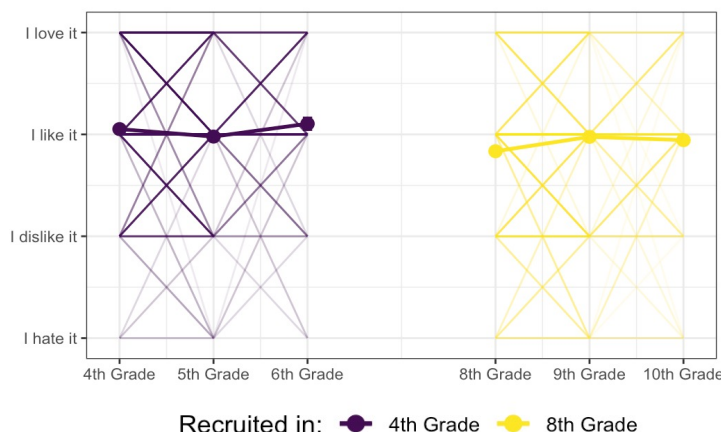
Do 4th-6th and 8th-10th graders like science?

What predicts their (dis)liking of science?

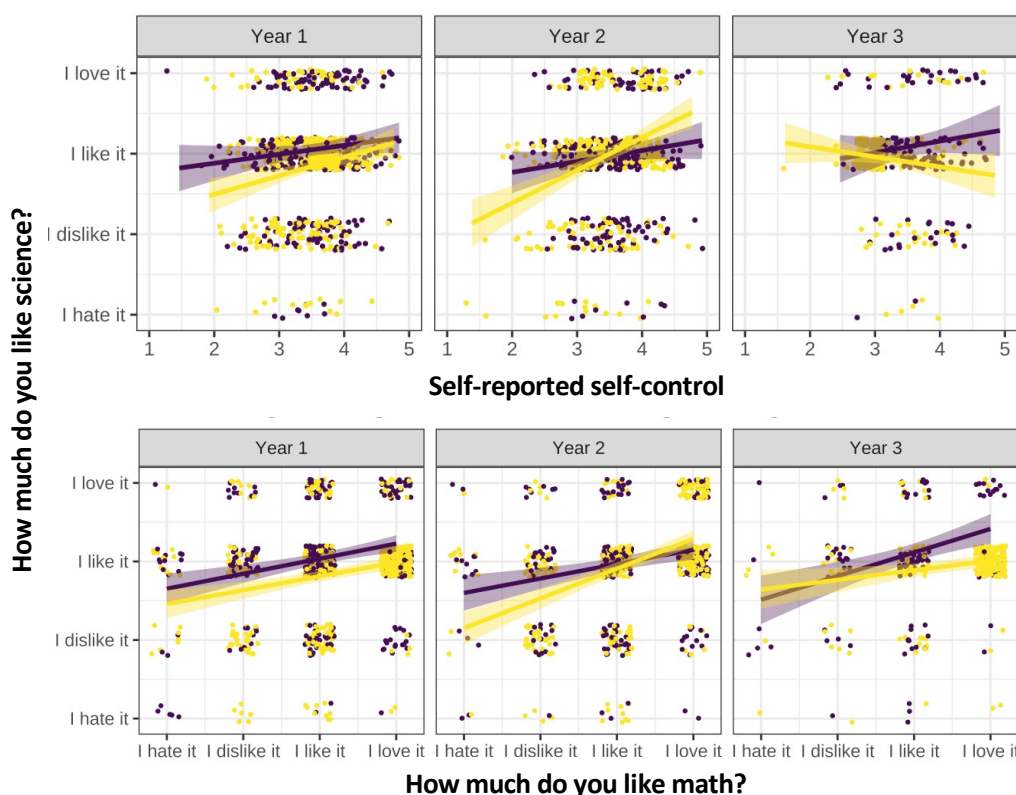


#2201888: *Aligning Measurement of Personal Attributes for Predicting STEM Education Outcomes*

Most students liked science, but didn't love it



We observed **intraindividual** variation in liking of science over time



Younger children and children who reported **higher self-control** and **higher liking of math** reported **liking science more** than their peers



Methods

Self-Report

Zoom

- Collected self-report and behavioral data annually starting in 4th ($N_{Year1} = 405$) and 8th grade ($N_{Year1} = 334$), Years 2 & 3 ongoing
- Analyzed children's responses using linear mixed effects models

Ongoing Challenges

Attrition

- Retaining families over multiple years of study participation
- Engaging participating children's teachers for each year of data collection

In-Person Presenter: Stephanie M. Carlson

Other Awardees: James J. Heckman, Thomas J. Dohmen, Patrick C. Kyllonen



smc@umn.edu



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