

WHO IS CAUSE RESEARCH?

CAUSE:

- Consortium for the Advancement of Undergraduate Statistics Education
- Established in 2003
- U.S.-based organization with international reach
- Mission: Support the advancement of undergraduate statistics and data science education
- Vibrant community with many active initiatives including annual conferences (eCOTS & USCOTS), student project competitions, webinar series, professional development, and more
- www.causeweb.org

CAUSE Research:

- A subsidiary of CAUSE
- **Mission: Promote and support the advancement of statistics and data science education research**
 - Connect researchers
 - Disseminate resources
 - Advocate for value and impact
- 2021 jump-started a reboot after a dormant period
 - New co-Associate Directors for Research
 - New mission statement
 - Data science education in scope

GOAL: Introduce CAUSE Research to the SIGCSE and ICER community to build bridges among data science education researchers.

Connect with us!

CURRENT INITIATIVES

CAUSE Research Satellites @ Established Conferences

- Research presence at conferences on teaching statistics (e.g., eCOTS 2022, USCOTS 2023)

Support for New Statistics and Data Science Education (SDSE) Researchers

- eCOTS workshop (May 2022) with Iddo Gal (Univ. of Haifa) for pre-tenure faculty doing statistics education research
- SDSE reading group with Megan Mocko (Univ of Florida) and Shu-Min Liao (Amherst College)
- Start-up guides/resources on website (In progress)
- New mentoring program for groups of new SDSE researchers (Coming soon!)
- Graduate Research Assistant funded in part by ASA Section on Statistics and Data Science Education

CAUSE Research Personnel

- Douglas Whitaker (Mount Saint Vincent Univ.): Interim Research Page Coordinator
- Susan Lloyd (Penn State): Graduate Research Assistant
- Content Coordinator (TBD)
- Jennifer Noll (TERC): Advisory Board
- Andrew Zieffler (Univ. Minnesota): Advisory Board
- Robert delMas (Univ. Minnesota): Fmr Director / Advisory Board

2021 REBOOT/ PROGRESS

Information Gathering

- Gathered insight from former CAUSE Research leadership
- Recruited experienced researchers to serve on the advisory board
- Arranged a CAUSE Research Satellite 1-day meeting in conjunction with USCOTS 2021 (summer 2021)

CAUSE Research Satellite Meeting

- Goal: Build community and identify how CAUSE can better support statistics and data science education research(ers)
- 62 current and aspiring researchers from North America, Europe, and Brazil (but had 139 registrations!)
- Reviewed and revised mission statement for CAUSE research
- Identified future CAUSE Research initiatives:
 - connect researchers from diverse disciplines
 - build mentoring infrastructure to develop new researchers
 - disseminate resources related to statistics and data science education research
 - advocate for the value and impact of such research



SCAN ME