

Climate Messaging on Willingness to Engage in Climate Action

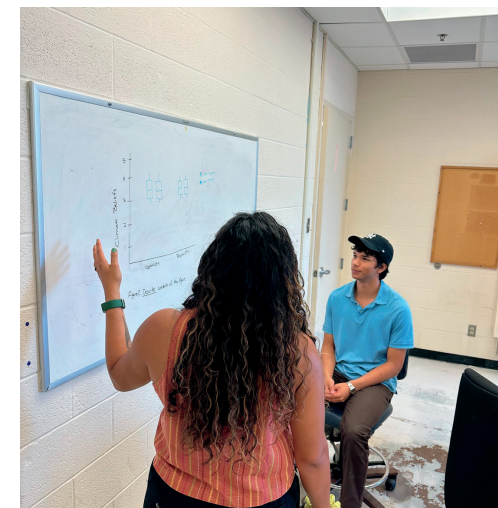
Team

Faculty: Dr. Rosario Marroquin-Flores,
Dr. Lisa Limeri

Students: Anakin Nino

Top 3 Transformative Priorities

1. Strong Potential for Continuation Post-Grant
2. Drew in Faculty New to Undergraduate Projects
3. Leveraged Existing Support



Introduction

This study investigates the effects of climate messaging on students' willingness to engage in climate action. Undergraduate students were assigned a passage containing either optimistic or pessimistic climate messaging and were asked to complete a survey with open-response questions added to better understand student perspectives. Quantitative data were analyzed in R Studio and thematic analysis was used to identify emergent themes in open-response questions. We found no significant difference in student beliefs about climate change or intent to act, but identified 22 students who changed their opinions about the capacity for individuals to make a difference in response to climate change.

Achievement

Anakin submitted abstracts and has been accepted to present at both the SACNAS National Diversity in STEM conference and the ABRCMS conference this fall. These are really transformational experiences for students, so I'm really excited that we have been able to help him gain these experiences

Student Voice

"I wrote a research proposal and was selected to conduct independent research over the summer. My supervisor, has helped me to develop and execute the research. Throughout this experience, I fostered many skills I will use for the rest of my life. I plan on having a career involving science, and having the ability to research is a skill that every scientist should be equipped with."

--Anakin Nino

Faculty Voice

"I have been really impressed with Anakin's performance in the lab. He is hard-working and dedicated to the research. I think the output from his research is a reflection of the time and effort that he has committed to his project. I'm very excited to see what he does next."

-- Dr. Rosario Marroquin-Flores

Impacts

This was Anakin's very first research experience. His commitment to the project has helped him to grow as a researcher. He has learned how to design his own experiment, write a protocol for the Institutional Review Board, recruit participants to a study, and has developed both quantitative and qualitative data analysis skills.

