



Jefferson County 4-H Mentoring Program Summer 2021



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Introduction

My name is Brooke Enney, and I am a third year here at CSU studying Microbiology, Immunology and Pathology. I began my CSU Summer internship working through the Jefferson County 4-H office specifically with their Peer Mentoring Program. Through this I was able to lead a wonderful group of mentors ages ranging from 15-40 years in development of STEM based activates, emotional, social and educational support for their specific mentees. These activates were structured to last from the beginning of June until the beginning of August after the Jefferson County 4-H Fair and Festival. I worked specifically through Lisa Stavig who was the head coordinator for this program that partnered with Youth and Families with Promise, as well was with an organization called Colorado Mentors.

Project Goals

- Provide active support for mentee and mentor relationships.
- Guide mentors through STEM base activates and support towards their mentees.
- Create STEM related activates for mentors and mentees.
- Develop Summer Day camp for Peer Mentoring Program
- Aid in support surrounding general 4-H Projects.

What Role Did I Play?

- Leader of all Mentors involved with the program ages ranging from 15-40 years old.
- Developed and analyzed data surveys given to program participants (mentor and mentee)
 - Given once at the beginning of the summer, and once at the end of the summer.
- Developed STEM research activities towards betterment of
 - social support
 - emotional support
 - educational support
- Acted as mentor for all those involved in program
- Head liaison for program coordinator Lisa Stavig.
 - Work closely with Colorado 4-H Office in Fort Collins, CO

STEM Day Camp 2021: Jefferson County 4-H Mentoring Program

I personally developed this year's STEM Day Camp for those mentees and mentors involved within this Jefferson County 4-H program. I developed five different project areas that corresponded with livestock and general projects offered through the Jefferson County 4-H programs. Within the submission form those participating (mentees) during the day camp will submit three choices for groups which included: Coding/Robotics, Rocket Launching, Cake Decorating, Archery and Horse. I was able to develop a strategic partnership with the Red Rocks Community College Idea Lab who assisted in the creation of Rocket Launching and Coding/Robotics section of the day camp. This camp surrounded all things STEM, meaning that within each activity the kids were able complete an activity while closely working with their mentors and peers.

Goals for the camp:

- Bring awareness of the different fields within STEM (Science, Technology, Engineering and Math).
- Create an inclusive environment where mentees felt safe trying new things.
- Activities that apply the DO REFLECT APPLY method of research.
- Measure Social and Emotional impact of working with others.

Figure 1: Survey Data Collected

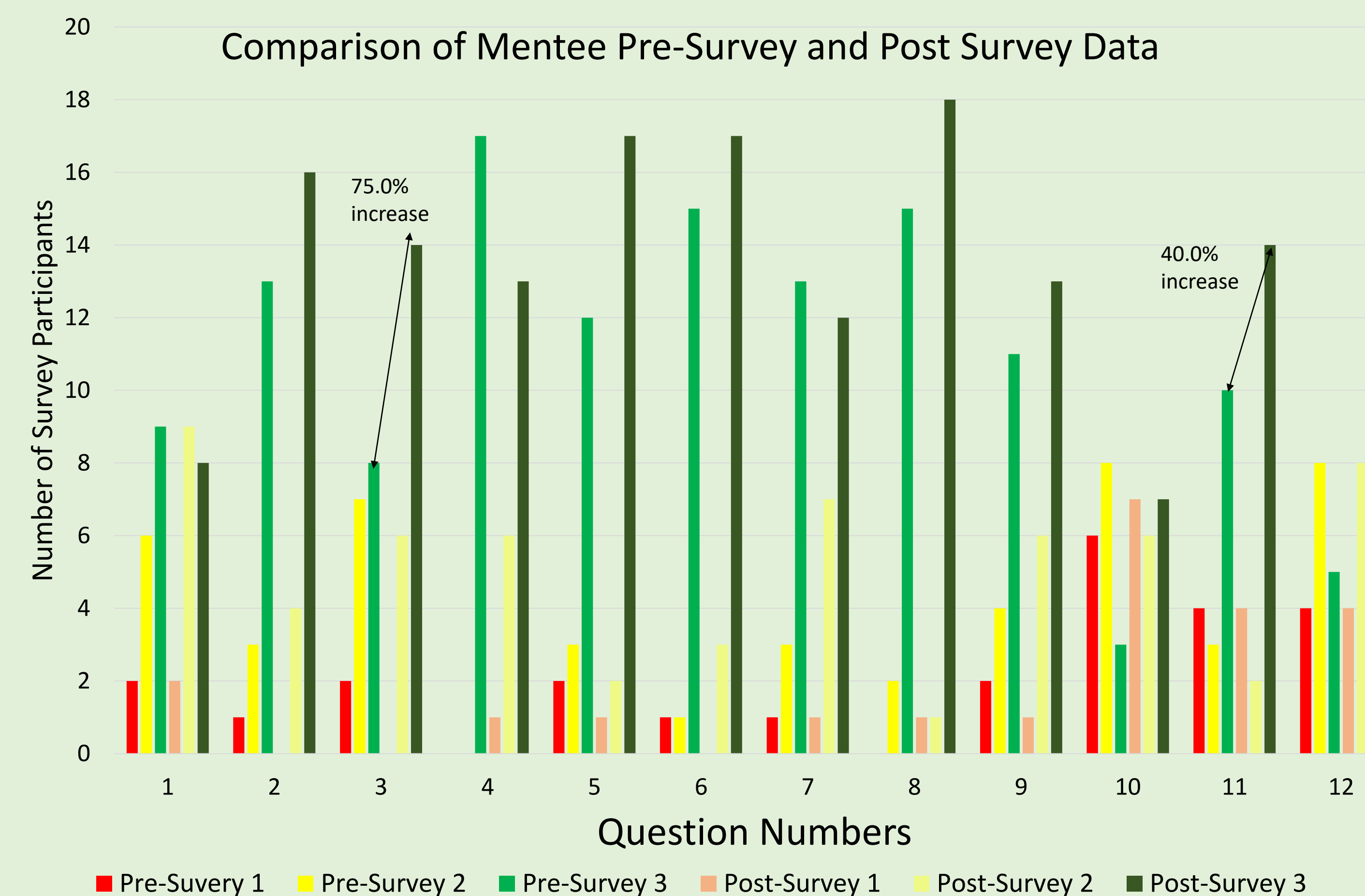


Figure 1: Comparison of Mentee Survey Data

For this survey, each mentee were asked a series of 12 questions in which they were to determine if they agree: yes (green), disagree: no (red) or in the middle: maybe(yellow). This graph represents the number of responses received for each category for both the Post and Pre-Surveys. We were looking to see if our program had any positive or negative effects on the mentees interest behind STEM activates and their emotional and social intelligence.

- Shown in question three was a **75.0%** increase in the number of green responses which means that our program had a positive impact on the relationships built between those involved in the program
- Shown in question 11 there was a **40.0%** increase in green responses meaning that after the camp the mentees were more interested in STEM related professions.

Figure 2: Mentor Program Demographics: Mentees

2021 Mentoring Program Demographics

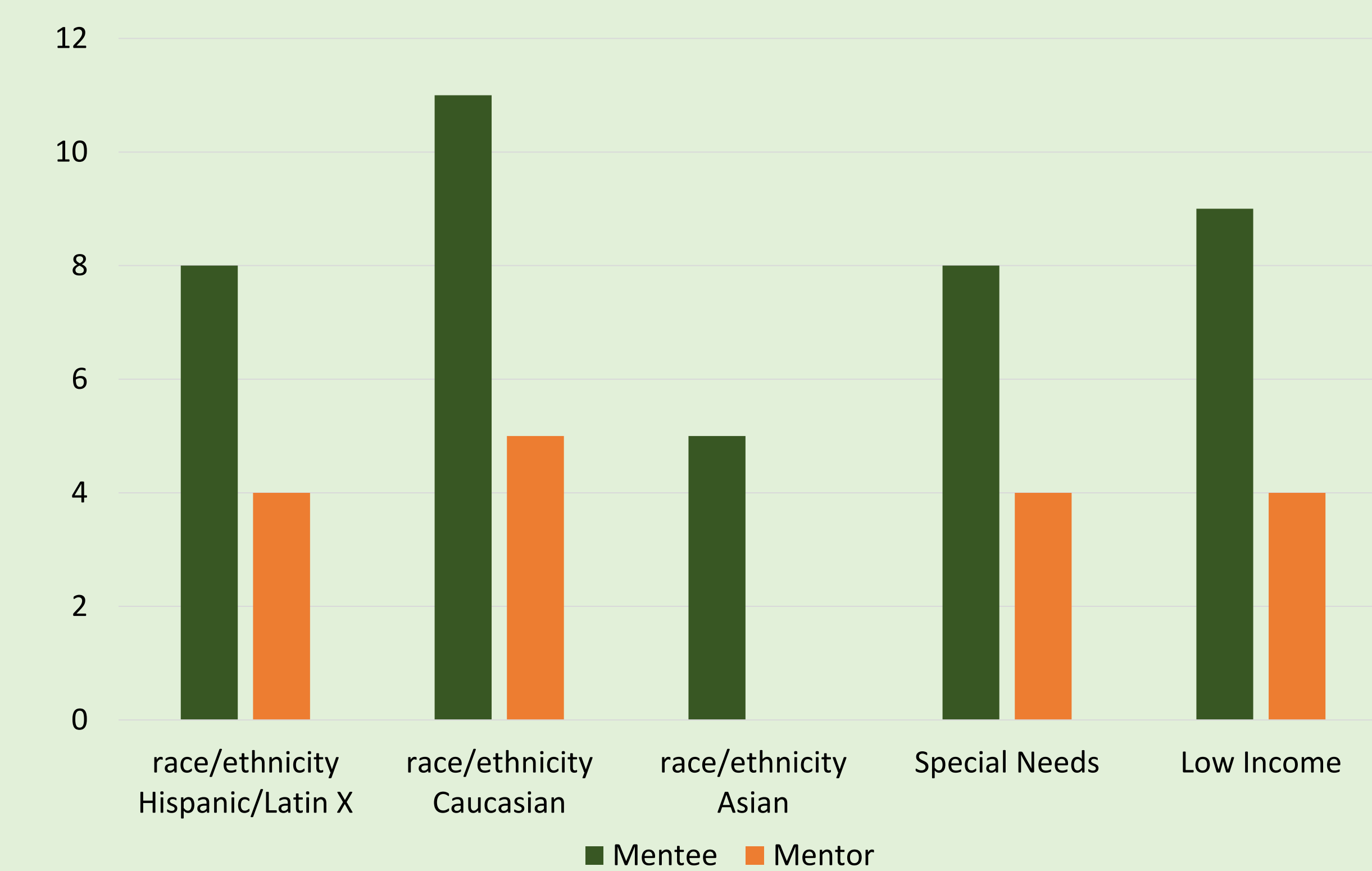


Figure 2: Mentoring Program Demographics

This graph is representative of the different ethnic, social and economical groups involved with the Youth Mentoring Program. **60.0%** of our mentees come from a lower economic status, **64.0%** have a developmental or learning disability, **26.0%** classify themselves of Asian ethnicity, **50.0%** classify themselves as Hispanic/Latin X ethnicity and **24.0%** classify themselves as Caucasian ethnicity.

How Does This Apply?

- Applied leadership skills
- Organizational skills
- Make sense of problems and persevere in solving them
- Reason abstractly.

What Did I learn?

- Developed skills to bring knowledge of STEM academics to younger generations.
- Development, Application and Analyzation of survey data.
- Communication and Collaboration skills with those older and younger than me.
- Importance of outside programing to community involvement.

