



# CS-LISTEN Otay Ranch HS



## Research Question

What are the factors that influence whether someone DOES NOT TAKE Computer Science?

A: Increase the number of students taking CS courses?

B: What are the potential barriers/problems?



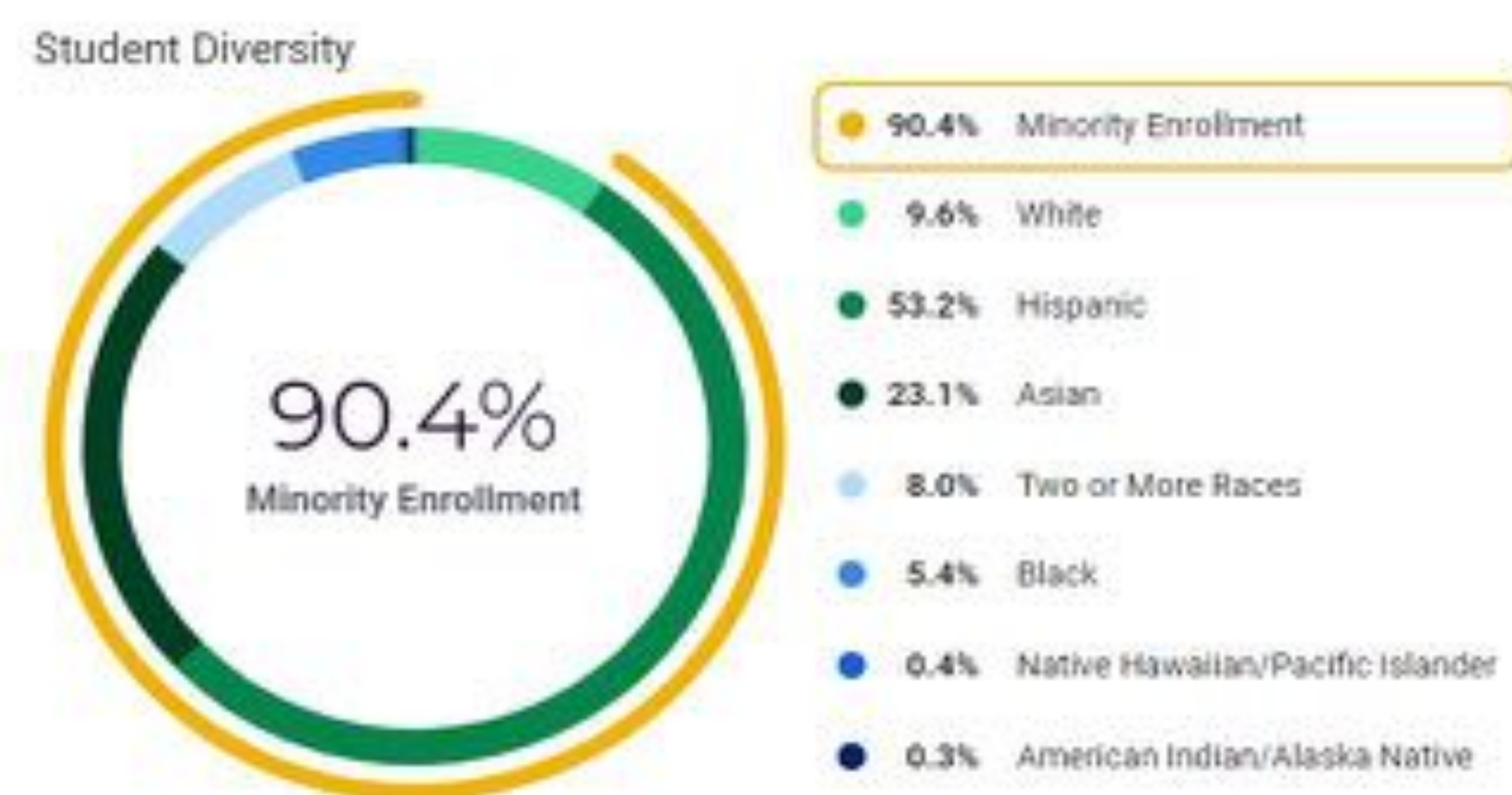
## RESULTS

The factors that affected CS enrollment made a very significant impact on students decisions in taking the course. Relating to our research question, we were able to conclude that the most prominent factors that determined student enrollment revolved around knowledge of the class as well as parent/counselor involvement of encouraging the class to be taken. As a result of the surveys and interviews conducted, we also came to the resolution that among those who took CS classes, the students joined due to referrals and word of mouth from other students who ultimately were the main persuasive factors for students joining CS classes.

## BACKGROUND

### Description of Otay Ranch HS

- Student to Teacher Ratio: 25:1
- Graduation Rate: 98%
- Economically Disadvantaged: 36%



## METHODOLOGY

### Methods

226 Otay Ranch High School students were surveyed on May 3rd, 2022, from 7:52 AM to 2:57 PM. Multiple students were hand picked to take part in interviews to get greater feedback with more personal answers.

### Data

We collected data on over 200 students within Otay Ranch High School. Our data was a mix of collected interview and survey responses in which we discovered recurring themes such as limitations on not taking computer science classes due to knowledge of the class, parent involvement, as well as counselor assistance.

## RECOMMENDATIONS

Some recommendations that can be evaluated in order to increase CS exposure would involve:

- Promote participation by using motivational speakers as a persuasion tactic.
- Change views and perspectives on CS classes through word of mouth.
- Upgrade the available technology to seem more appealing to students.
- Advertise the class more in order to increase engagement.

