

# EdSource

To: CNPA Entry  
From: EdSource  
Re: Info Graphics  
Date: Feb. 13, 2022

To the Judges:

We knew more and more students were opting to get college credit for courses they took while in high school. But what we wanted to know is whether there was any equity in the access to these courses.

Did all high schoolers get a chance to take college courses? If they didn't were they more likely to be of a particular ethnic or racial group? Surely, some California researcher had tackled those questions.

No.

The solution, carried out by Daniel J. Willis and Yuxuan Xie, was to first figure out the demographic enrollment of students enrolled in dual enrollment courses offered by the community colleges. The next step was to analyze the demographics of the potential high school students who would attend that college. Where are the differences?

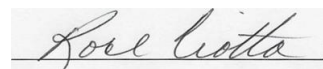
The result was visualized by Xie in an interactive map that alerts the public to the districts serving their communities and those that were not. The reported stories flushed out the issue and plans by the colleges to do a better job of attracting students to reflect their high school communities.

The [map](#) shows each community college district and whether the students enrolled in these programs reflect the demographics of their feeder high schools.

To create the map, EdSource compared 2021 California Department of Education high school data to California Community Colleges data on dual-enrolled students to determine student representation by racial and ethnic groups. The map is color coded by the most under-represented race/ethnicity group for dual enrollment diversity. The most difficult part was to integrate the high schools within the community college districts' boundaries. This issue is solved by using QGIS tool. The whole project is based on React JS library and Mapbox. Readers can search their community college district to see the dual enrollment rate.

Thank you for your consideration.

Entry URL: <https://edsource.org/2022/dual-enrollment-whos-in-and-whos-out/680402>



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