

Where to begin?

Addressing underrepresentation at California universities

By Christian Normand

Problem Statement

The California Department of Education seeks to address issues contributing to underrepresentation of Latino, African American, and Native American students at state universities.

This project evaluates school districts based on:

- Proportion of students belonging to underrepresented minority (URM) groups
- Participation rate of high school seniors in college admissions tests

The outcome of this project is a list of school districts for the department to focus on to get the most value from their research and create an impactful solution.

The UC Academic Senate defines URM's as **Latino, African American, and Native American** students

59%

California high school
graduates in 2019 who are
part of a URM group

37%

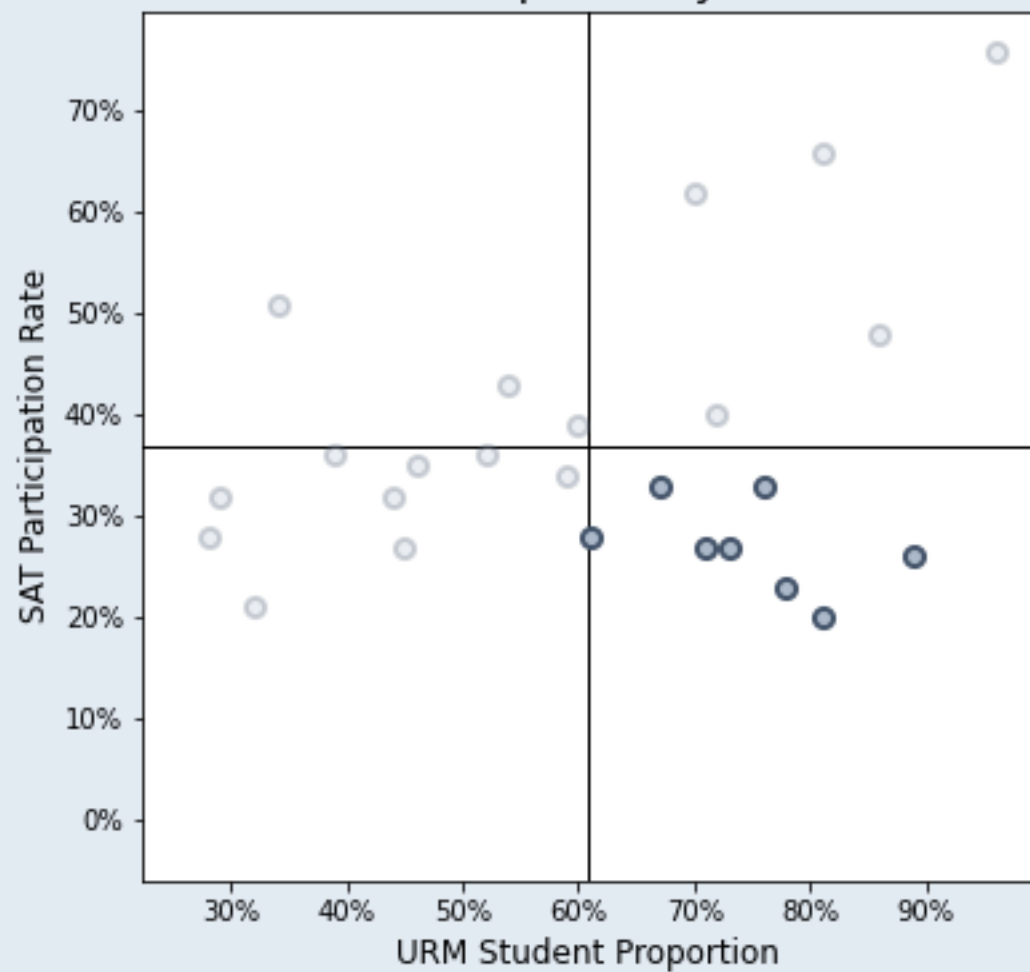
California residents in the
2019 UC freshman class who
are part of a URM group



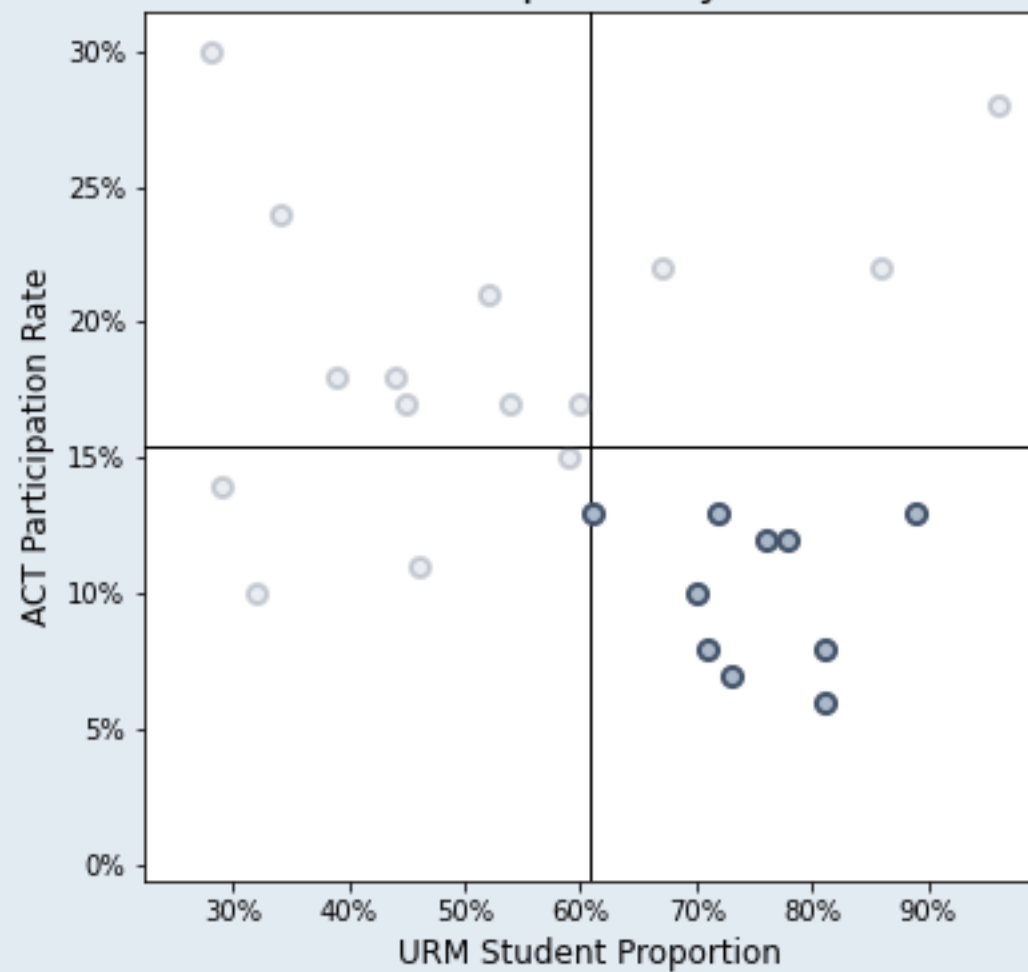
Methodology

- Evaluate only the top 25 school districts in terms of enrolled high school seniors
- Calculate percentage of students belonging to URM groups
- Calculate participation rate in the SAT and ACT

SAT Participation by District



ACT Participation by District



Districts for further study

District	Count Schools	Count Students	Count Students (Grade 12)	SAT Participation	ACT Participation	Percent URM	Below Average Participation
Kern High	24	39884	10175	0.27	0.07	0.73	SAT, ACT
Sweetwater Union High	30	39165	7934	0.33	0.12	0.76	SAT, ACT
Antelope Valley Union High	14	21077	5657	0.2	0.06	0.81	SAT, ACT
Anaheim Union High	20	30292	5479	0.27	0.08	0.71	SAT, ACT
Fresno Unified	105	70749	4593	0.23	0.12	0.78	SAT, ACT
Modesto City High	9	15122	3858	0.28	0.13	0.61	SAT, ACT
San Bernardino City Unified	87	48936	3558	0.26	0.13	0.89	SAT, ACT
Oakland Unified	123	36524	3663	0.33	0.22	0.67	SAT
Chaffey Joint Union High	11	23883	6046	0.4	0.13	0.72	ACT
Long Beach Unified	85	72935	5929	0.62	0.1	0.7	ACT
Oxnard Union High	12	16701	4063	0.66	0.08	0.81	ACT

References

- University of California Academic Senate Report
 - <https://senate.universityofcalifornia.edu/files/underreview/sttf-report.pdf>
- California Department of Education Data Sources
 - <https://www.cde.ca.gov/ds/sp/ai/>
- UC Press Release
 - <https://www.universityofcalifornia.edu/press-room/university-california-board-regents-approves-changes-standardized-testing-requirement>
- Cal State Testing Requirements
 - https://www2.calstate.edu/apply/freshman/getting_into_the_csu/Pages/testing-requirements.aspx