



California's

New Mathematics

Framework

Aiding California Districts Transition to
the New Mathematics Framework

Our Focus

California's new framework puts in place one level per mathematics course, effectively removing the on-level, advanced, and honors level mathematics courses. Teachers will be differentiating their math lessons to many levels of student. This analysis focuses on determining districts with lower mathematics success according to 2019 SAT and ACT scores. Once those district are identified, further research should be done to determine whether additional resources or funds would help make the transition to the new mathematics framework successful.



Analysis 1-2-3



2019 SAT and ACT scores were obtained and cleaned.



Looked for patterns within Districts.



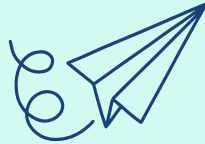
Narrowed down specific Districts with need.

SAT and ACT Data



SAT

SAT math scores were not provided. Instead, the percentage of students surpassing a benchmark score of 530 was given.



$$1+1=2$$

ACT - Score

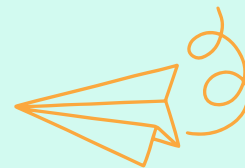
Actual ACT math score was provided.



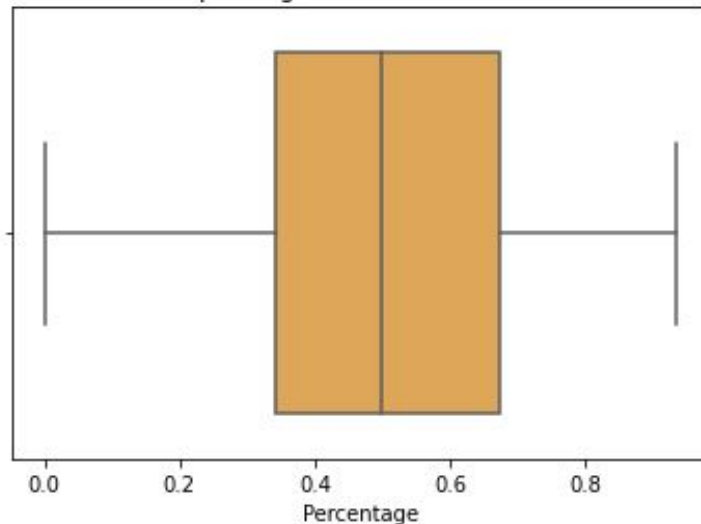
Student Focus

Data was provided for both 11th and 12th grade students. It was determined that solely looking at 12th grade students provided a better view of student's mathematical background.

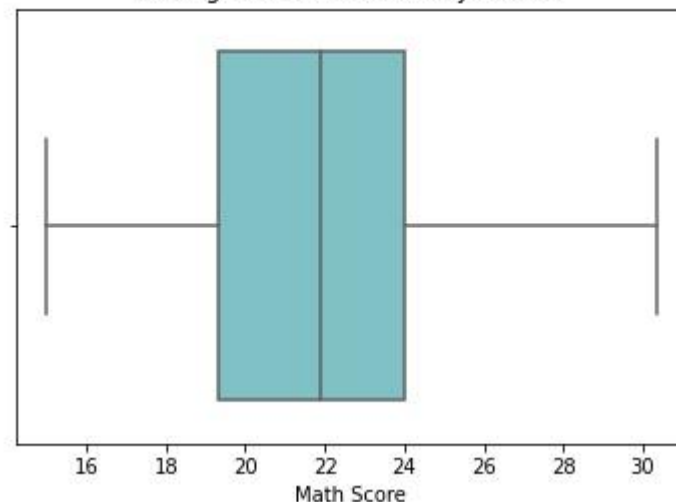
How much do districts differ?



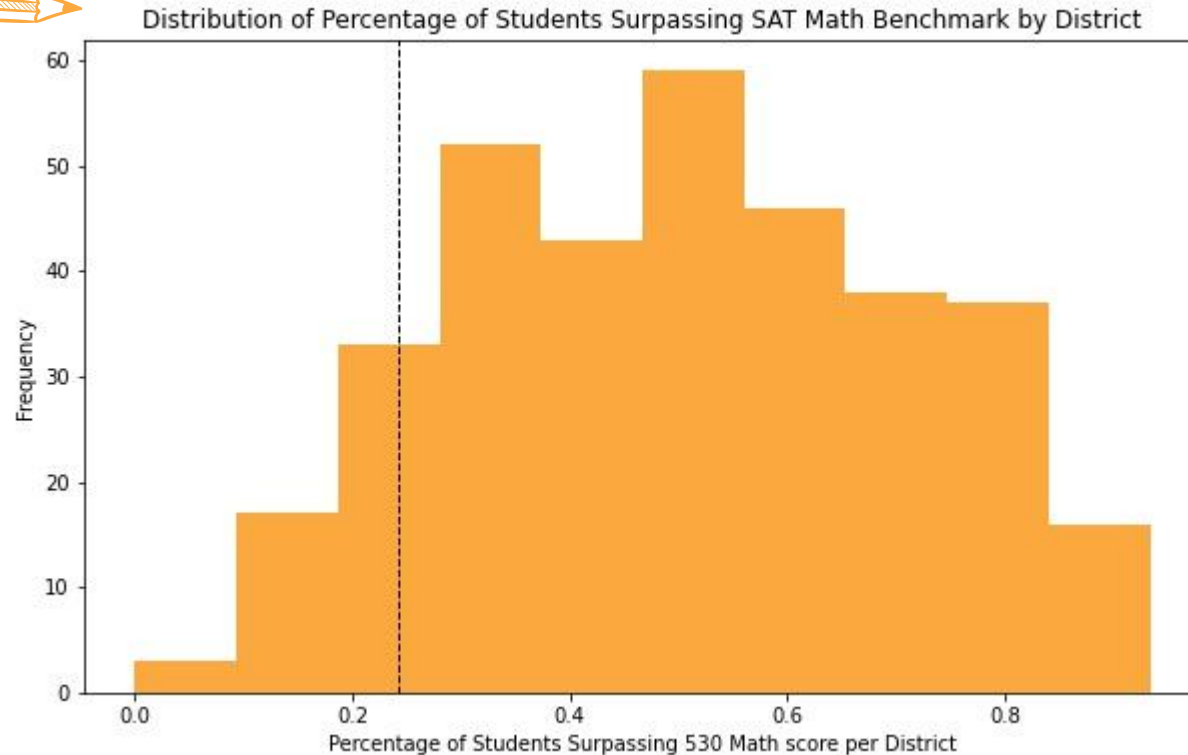
Percent of Students Surpassing Math Benchmark score of 530 by District



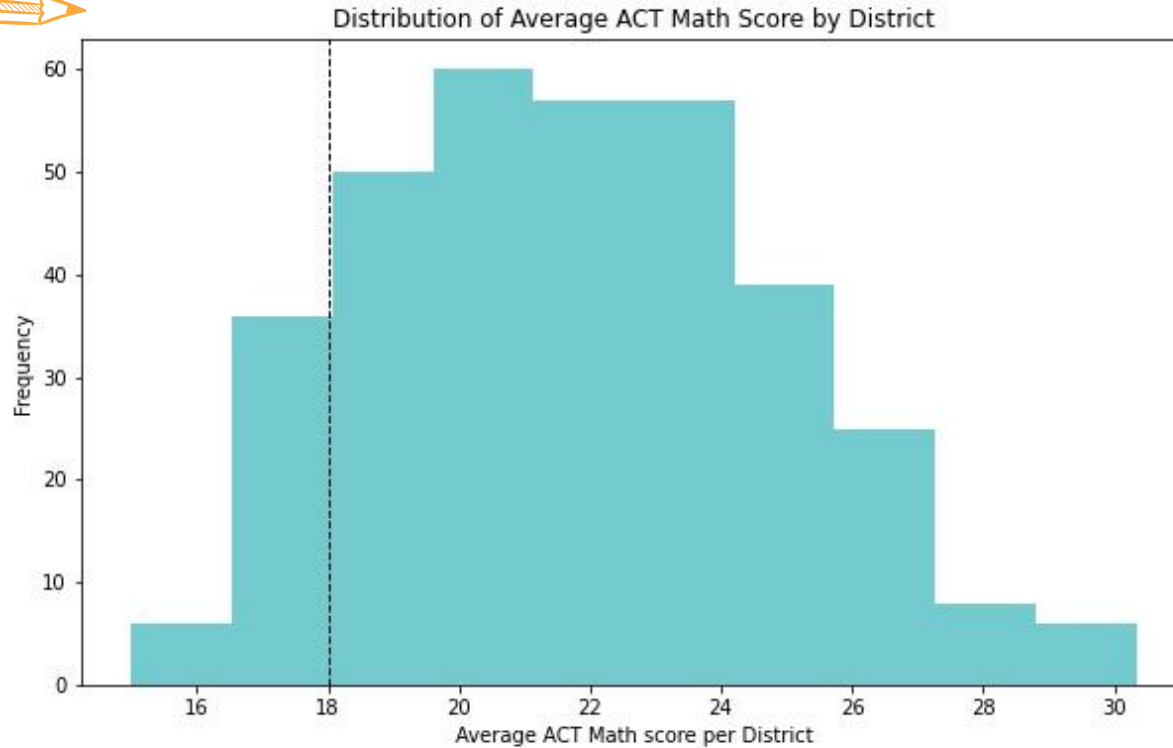
Average ACT Math Score by District



California School District - SAT Math Benchmark Percentages

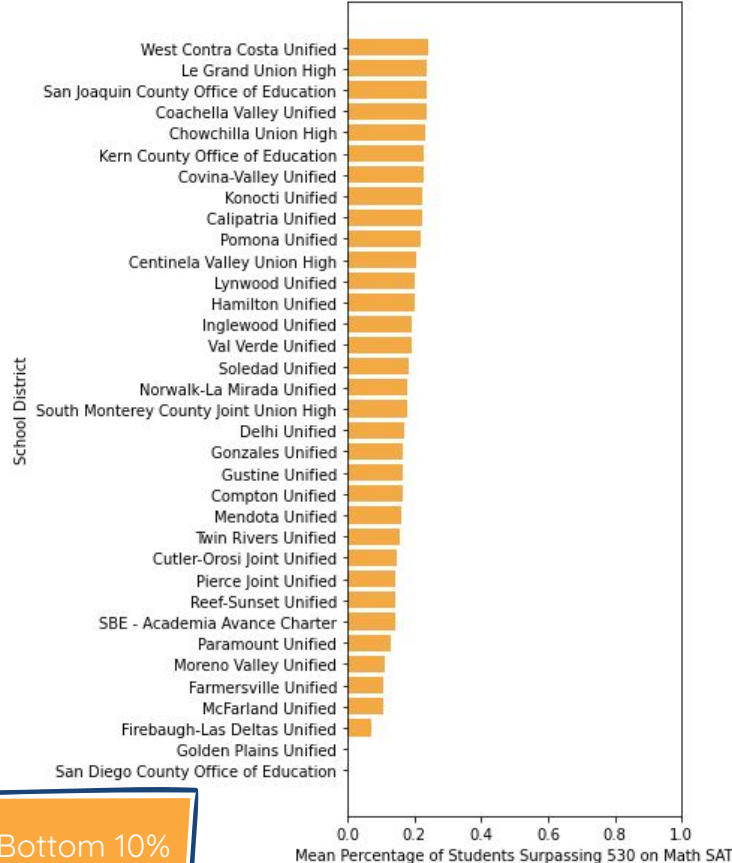


California School District - ACT Math Score Averages



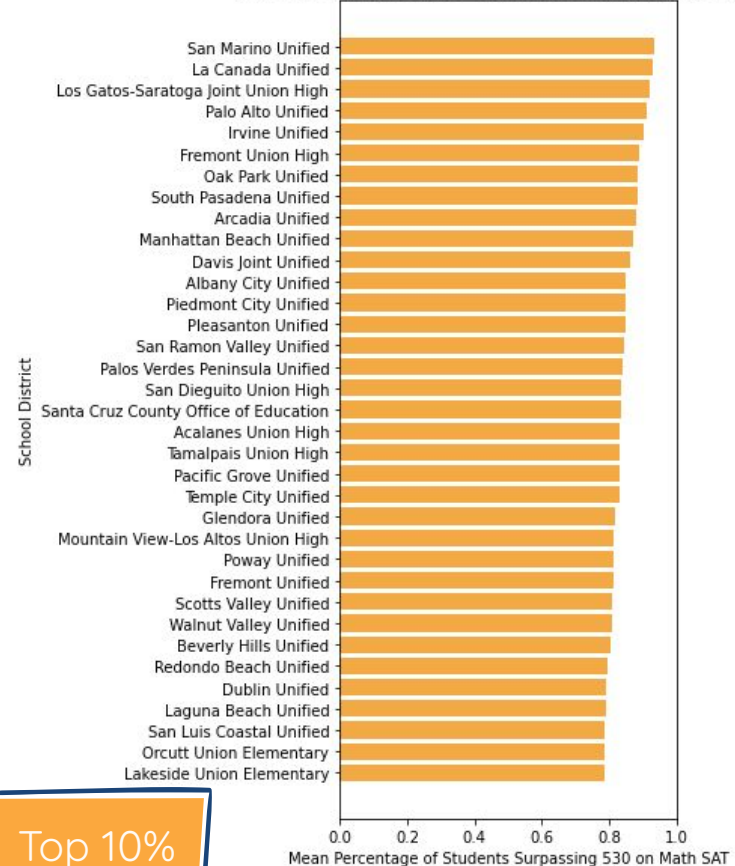
How drastic of a difference between Bottom 10% and Top 10%? - SAT

Bottom 10% School Districts - SAT Math Benchmark Percentage



Bottom 10%

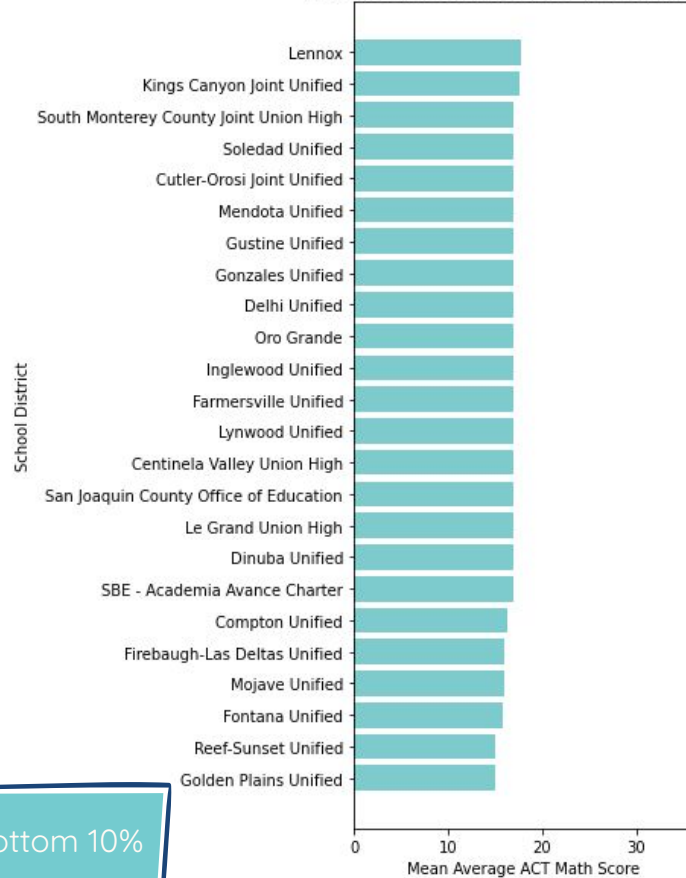
Top 10% School Districts - SAT Math Benchmark Percentage



Top 10%

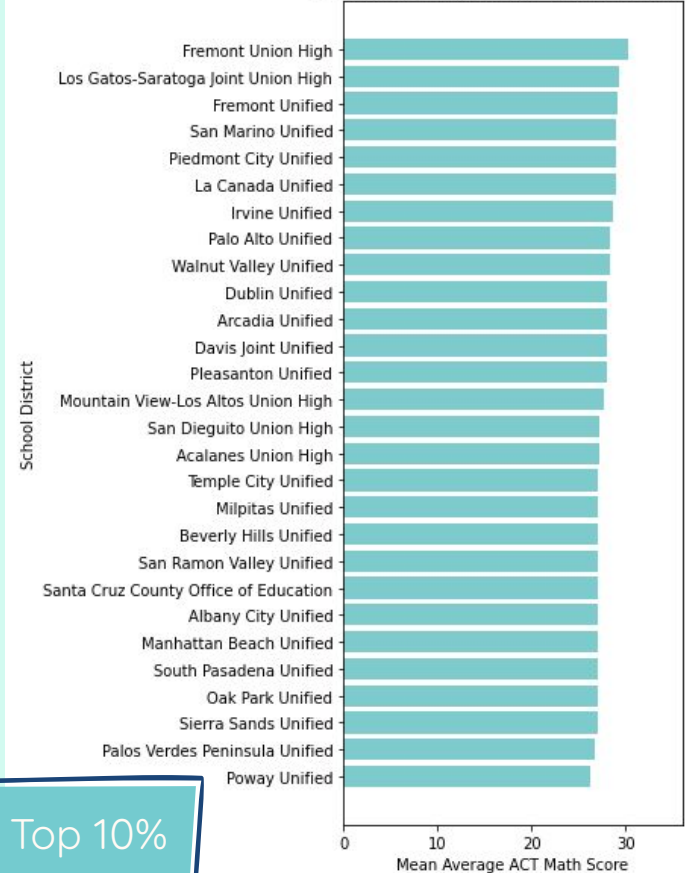
How drastic of a difference between Bottom 10% and Top 10%? - ACT

Bottom 10% School Districts - ACT Math Scores



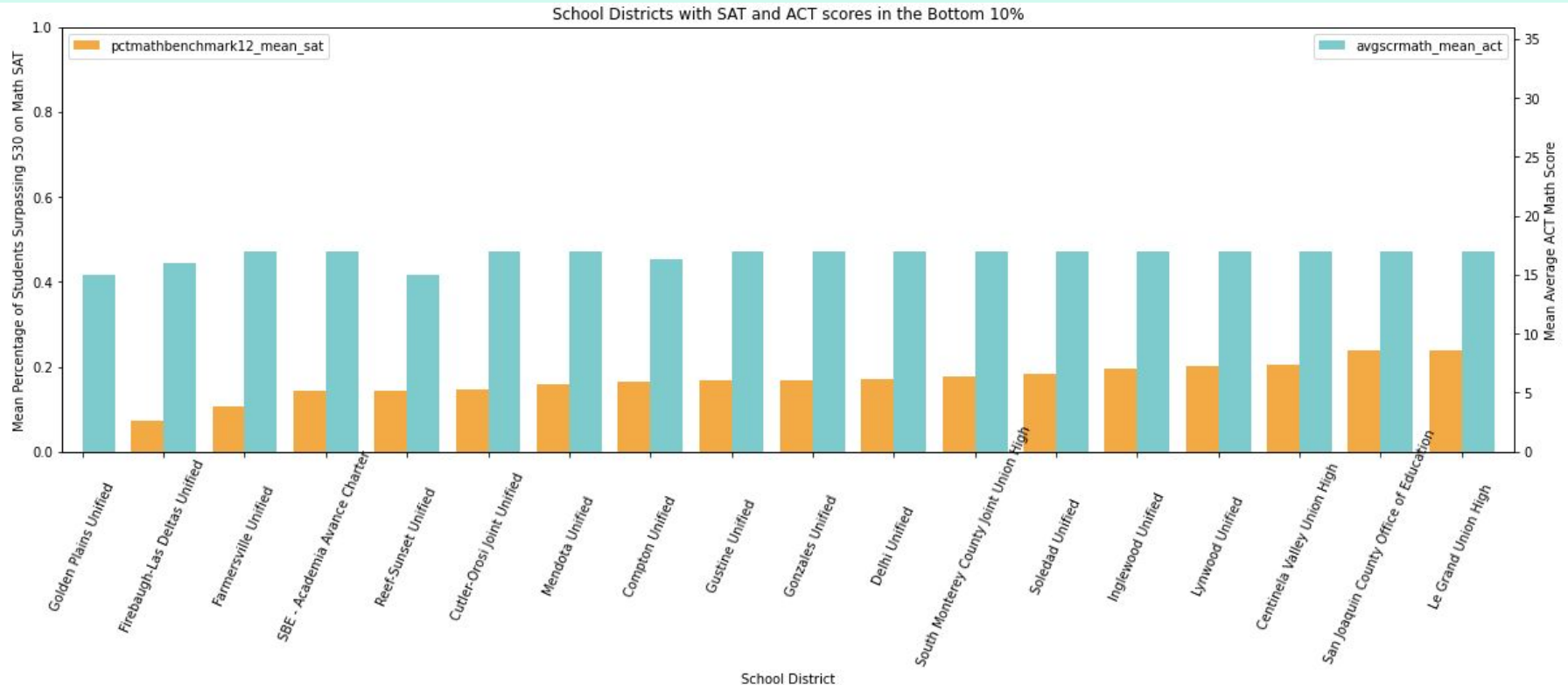
Bottom 10%

Top 10% School Districts - ACT Math Scores

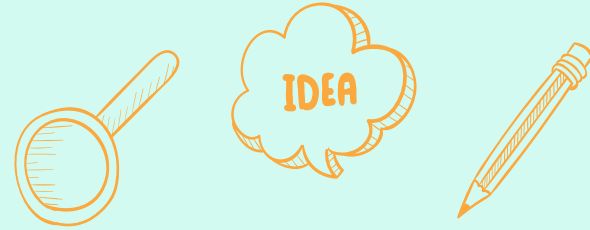


Top 10%

Bottom 10% for both SAT and ACT



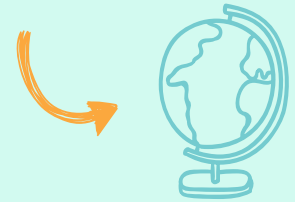
Final recommendation



Without knowing why the math scores are lower, it is our recommendation the the following school districts are examined further in order to provide appropriate resources and/or funds to successfully implement the new California Mathematics Framework.

Centinela Valley Union High
Compton Unified
Cutler-Orosi Joint Unified
Delhi Unified
Farmersville Unified
Firebaugh-Las Deltas Unified
Golden Plains Unified
Gonzales Unified
Gustine Unified

Inglewood Unified
Le Grand Union High
Lynwood Unified
Mendota Unified
Reef-Sunset Unified
SBE - Academia Avance Charter
San Joaquin County Office of Education
Soledad Unified
South Monterey County Joint Union High



Providing extra resources for
the transition to the new
framework will lead
California students to
success!



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