



The State for STEM

An analysis of **California's**
Future using ACT **Science** and
Math Scores

3 Objectives



1. Measuring STEM Readiness



2. Regional Improvement Opportunities



3. Vehicles for Improvement



The State for STEM

1.5 STEM Jobs for every job seaker

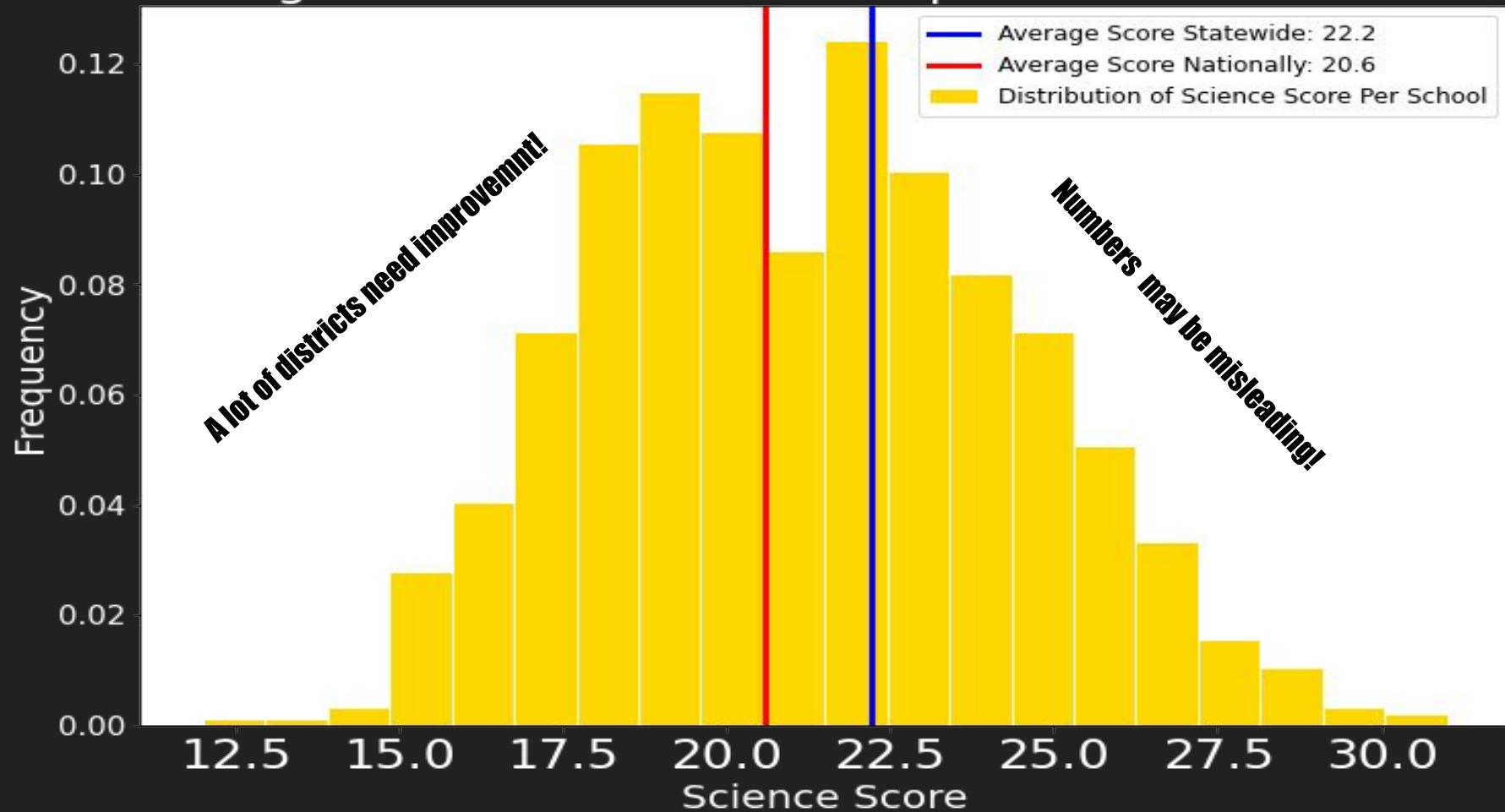
Need more qualified candidates

WHY?

only **20%** of students **Interested** in STEM fields

STEM interested Students are 50% more ready for college!!!

Average Science Score on ACT per School in California



The State for STEM

Not Bad! California Ranks 15th Nationally

California ranks **40th** In ACT **testing percentage**

**BUT
Wait!**

Scores



Percentage Tested

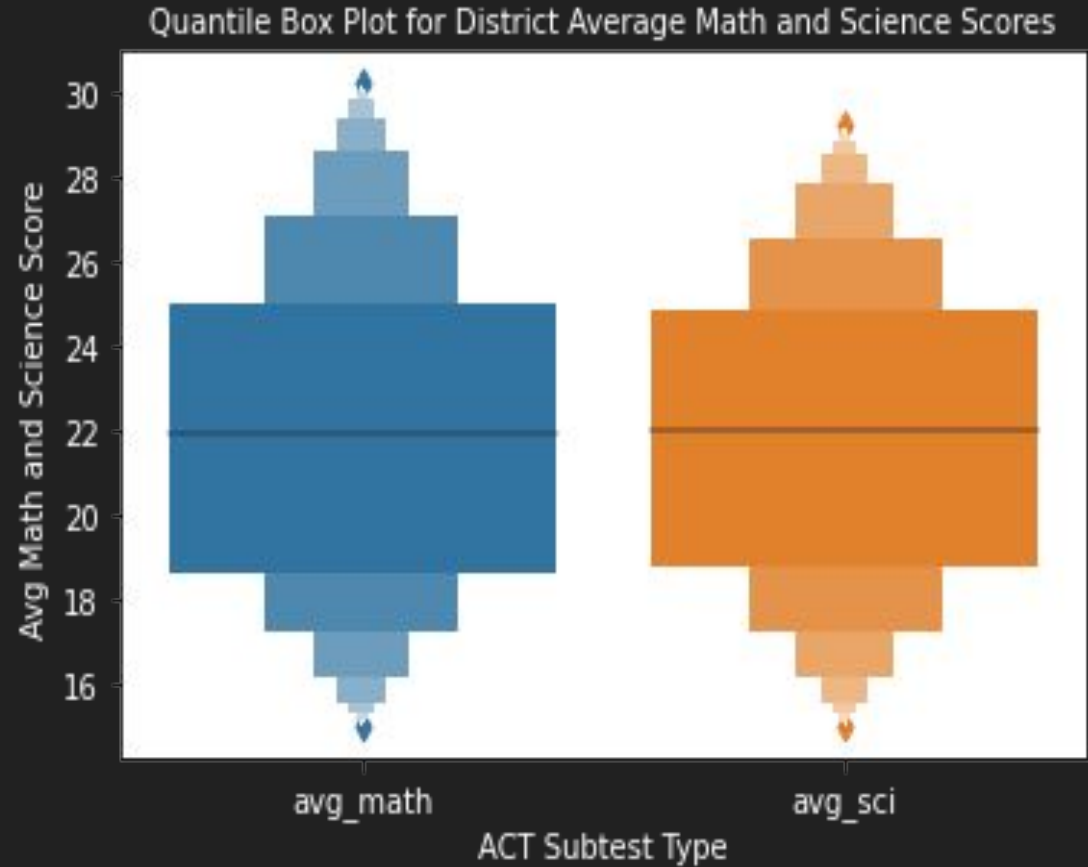
6 point differential

between

90th percentile

and

10th percentile.





what can we do for STEM?

where to
focus

Science < 17.33

Math < 17.55



districts in
the **lowest 10**
percent in
BOTH math
and science!

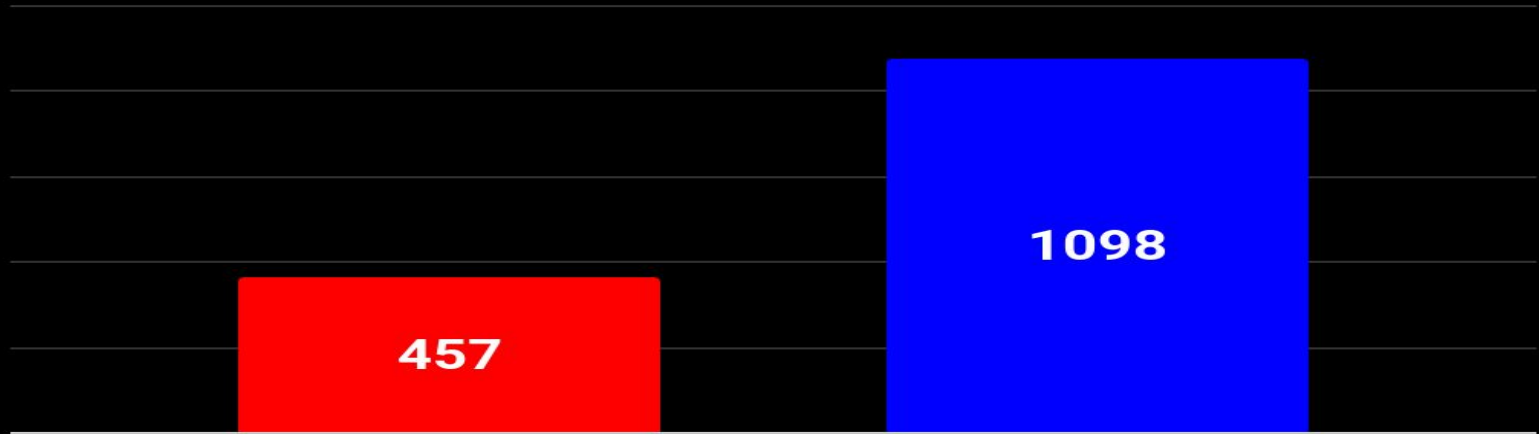


what can we do for STEM?

Enrollment for Worst Performing Districts

Smaller Districts Fall Through the Cracks

Number of Enrollees on Average



12th Grade Enrollment for Worst and Average Districts



what can we do for STEM?

Solutions

- Spend More
- Create Culture
- Smaller Districts In Focus
- Partner with Industry

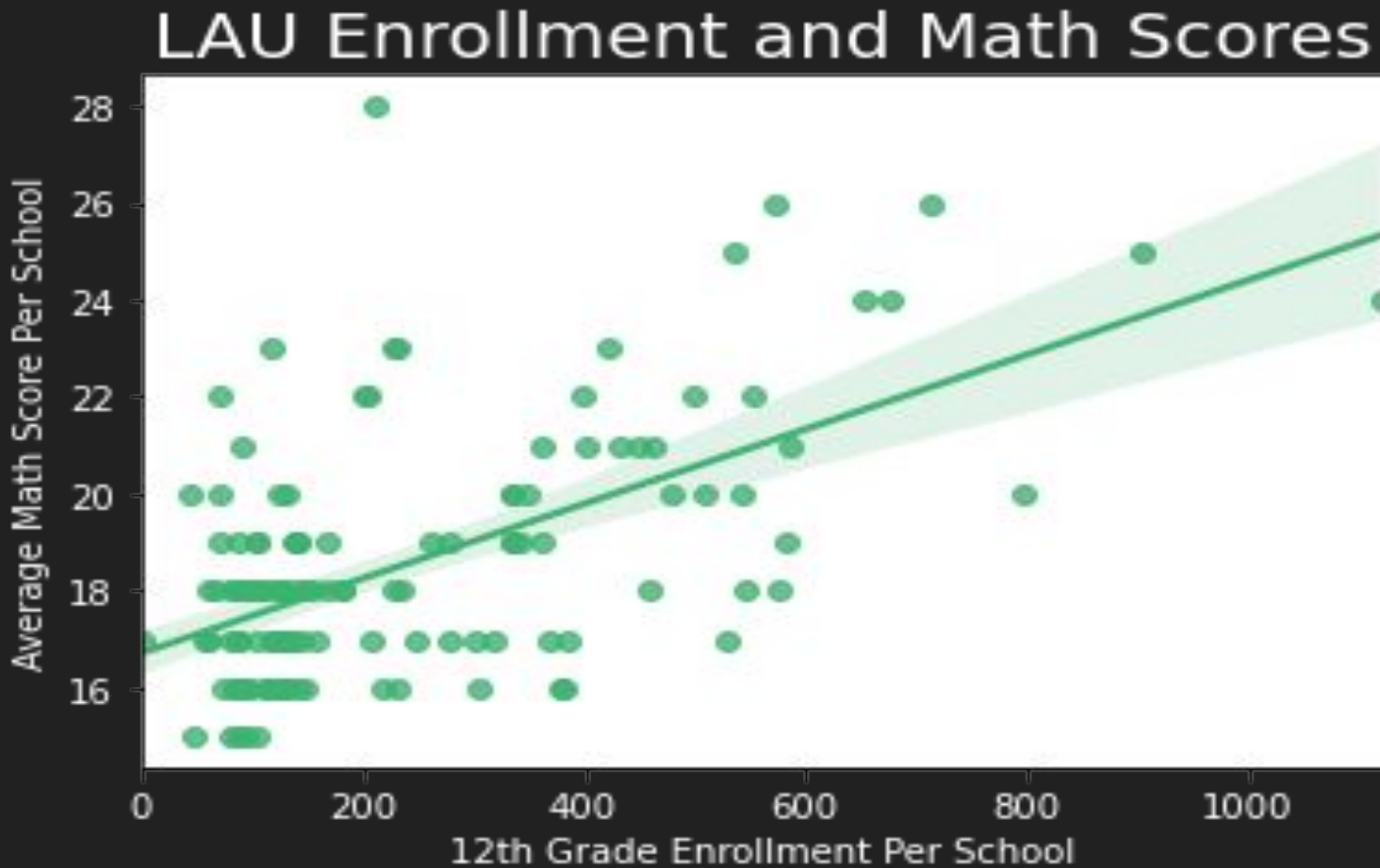


what can we do for STEM?

Key Takeaways

- STEM is Important
- Large Gaps in Success
- Smaller Districts In Focus
- Create Culture

Assumptions and Disclaimers



what can we do
for STEM?

