

SAT success

By David Marmor

Problem Statement

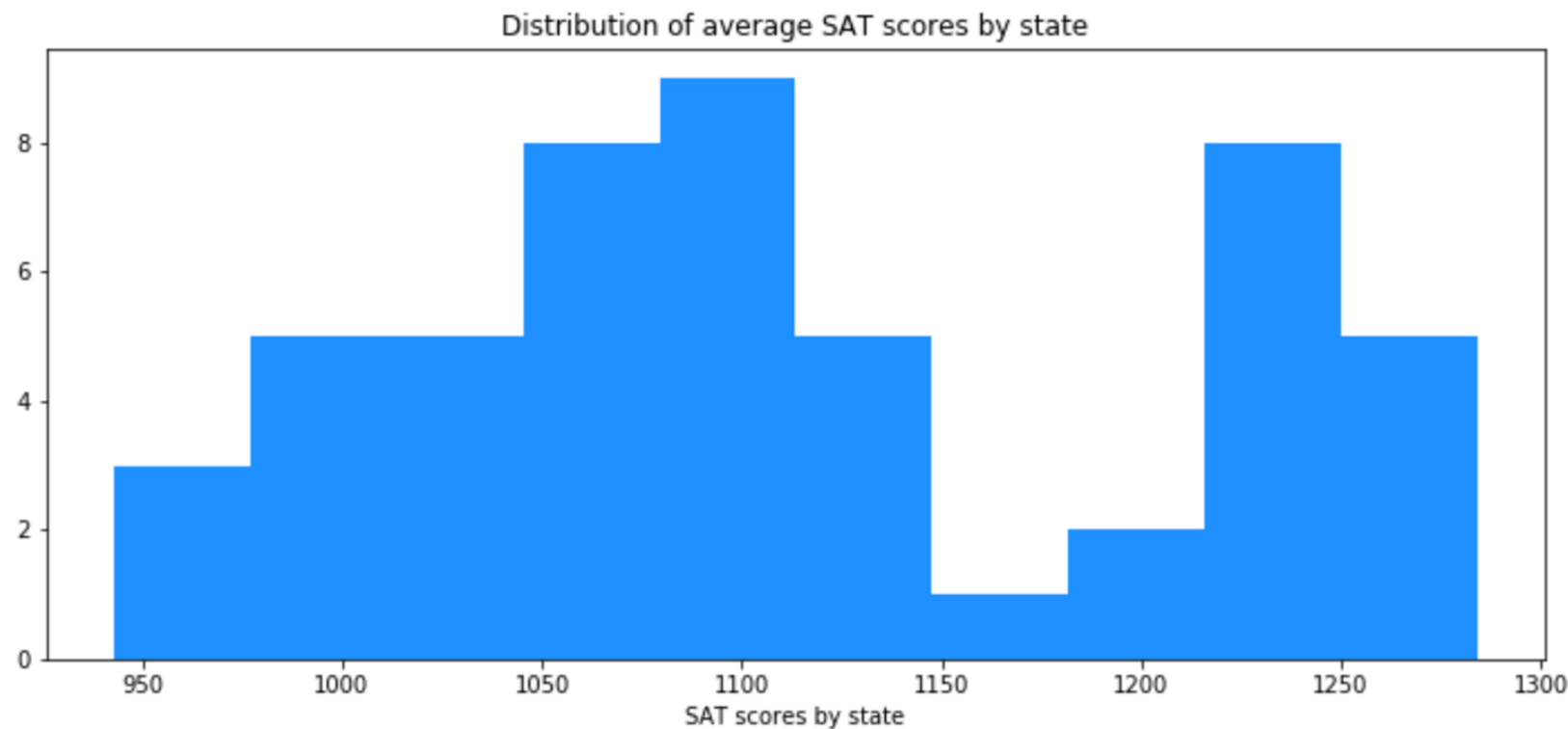
As an SAT prep program we are always trying to increase our students SAT scores. What factors impact student's overall SAT score.

State?

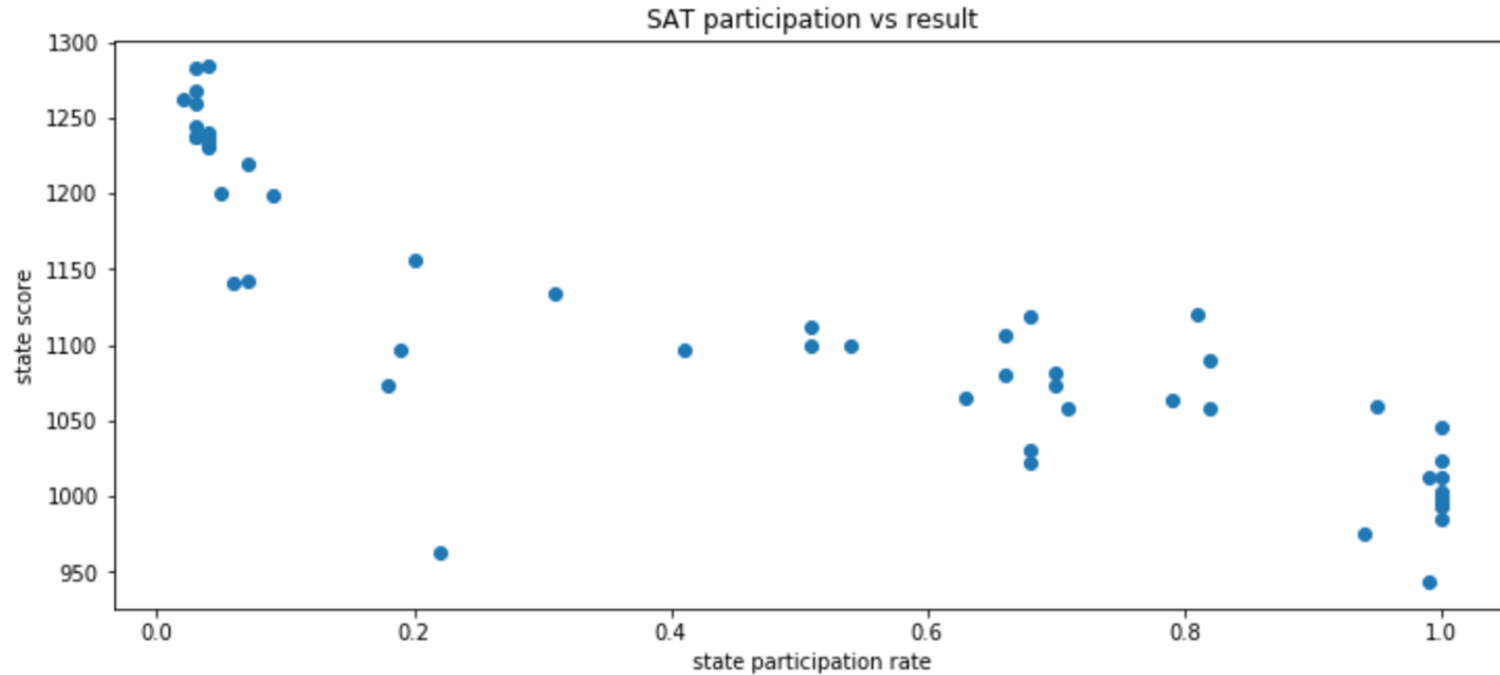
Major?

The more we know the more we can tailor our resources to help our students

Sat score by state histogram



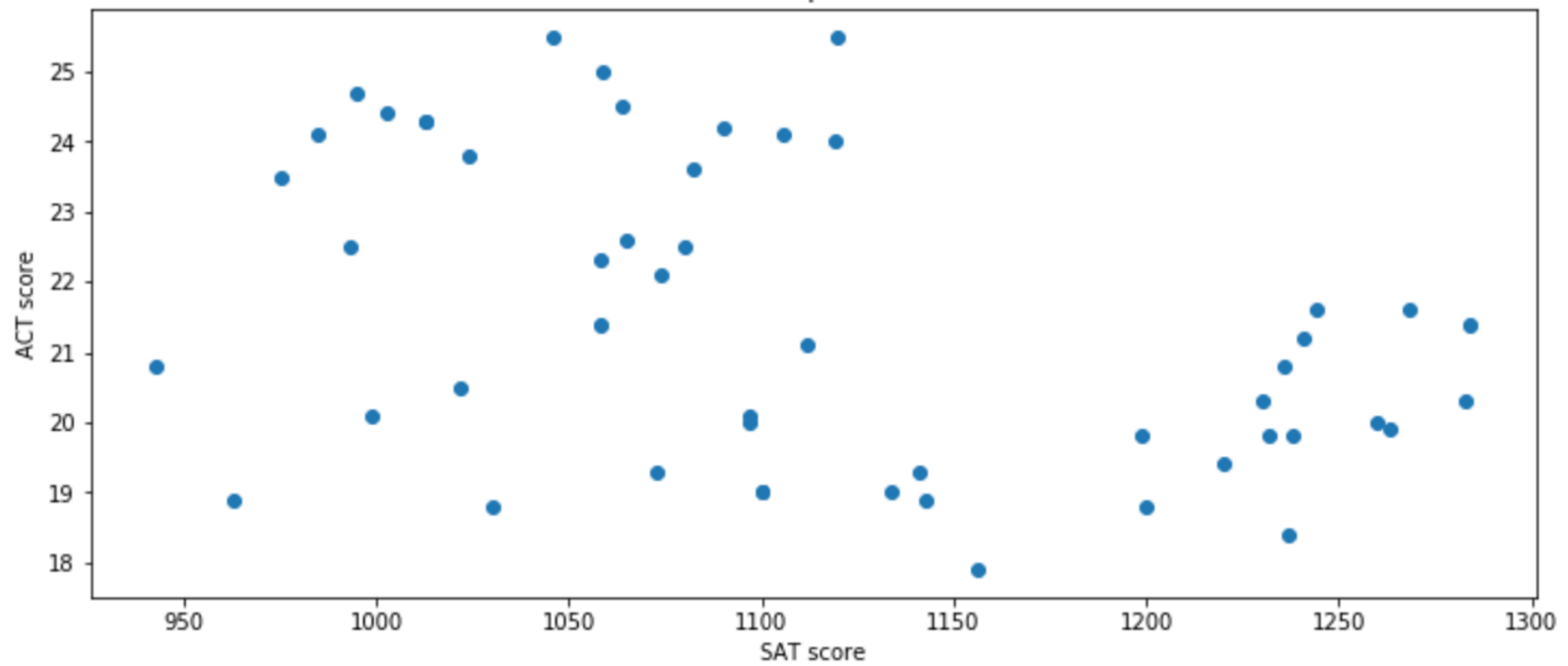
Sat score vs participation - negative correlation



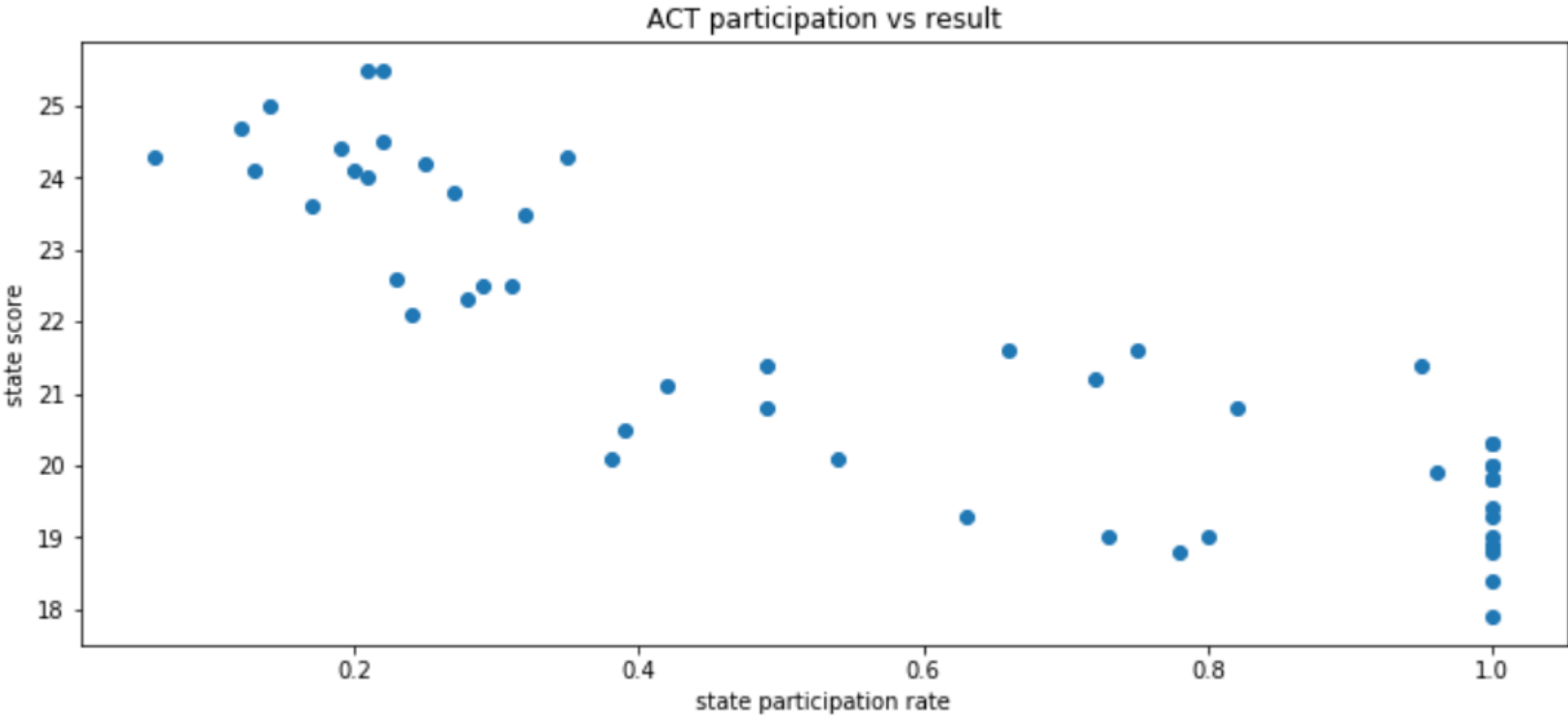
Why? -Maybe students not interested in college taking the test

Sat vs act scores by state - no standouts

SAT vs ACT performance

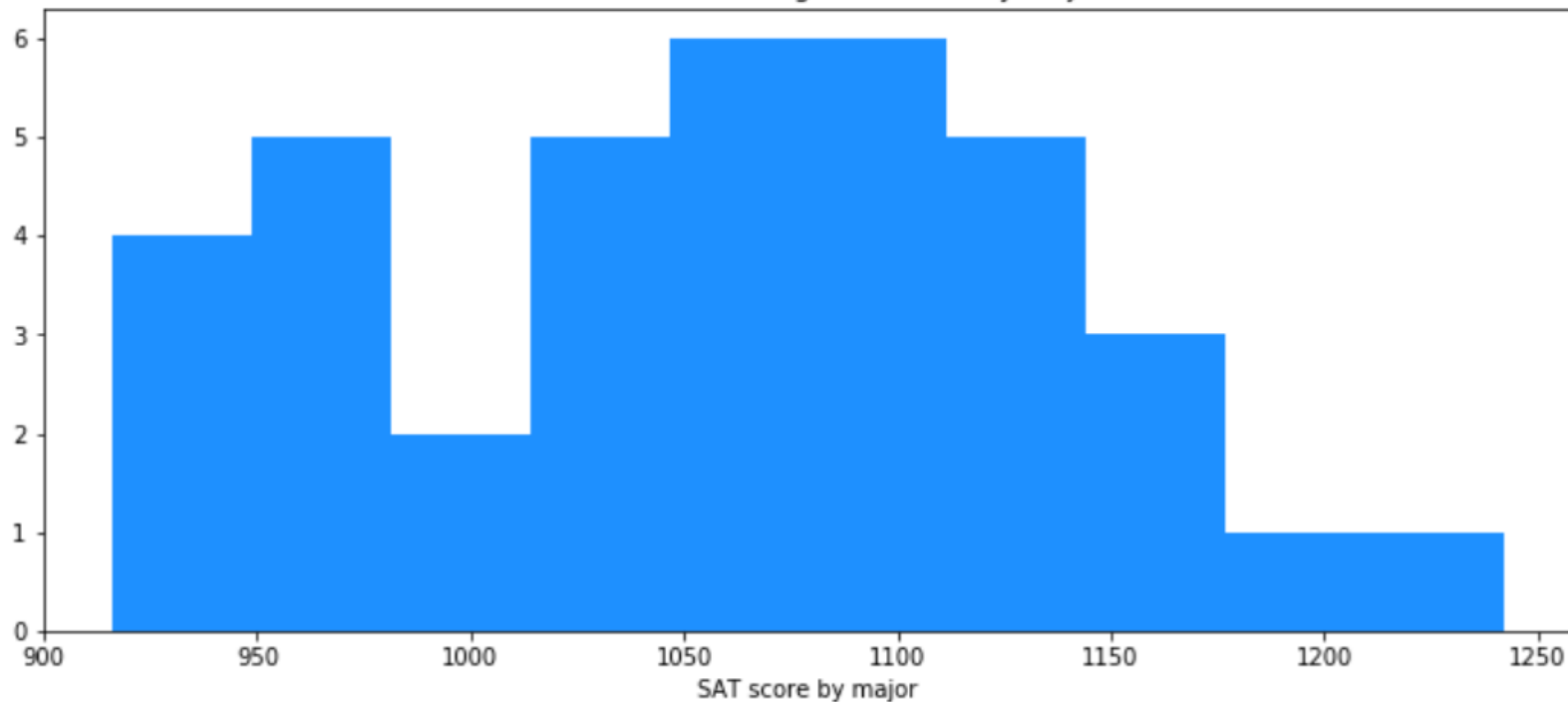


act vs act participation

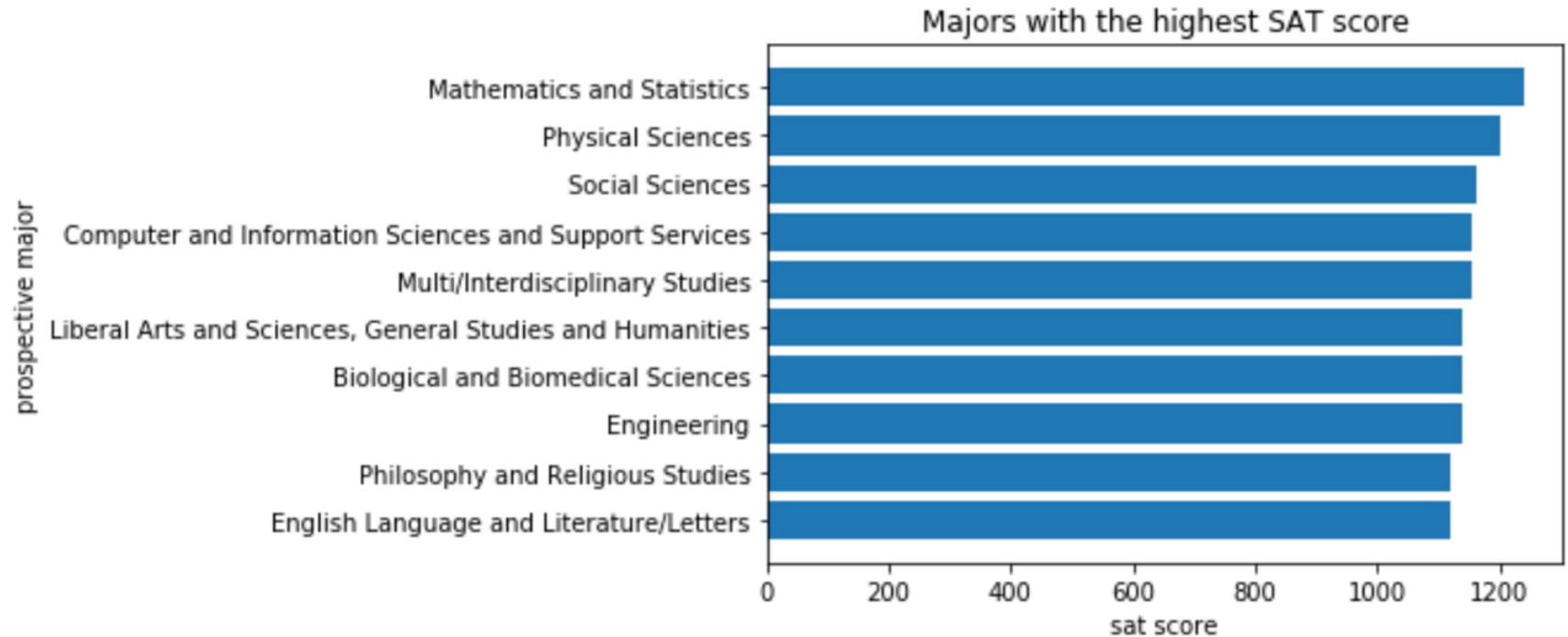


Sat success by intended major

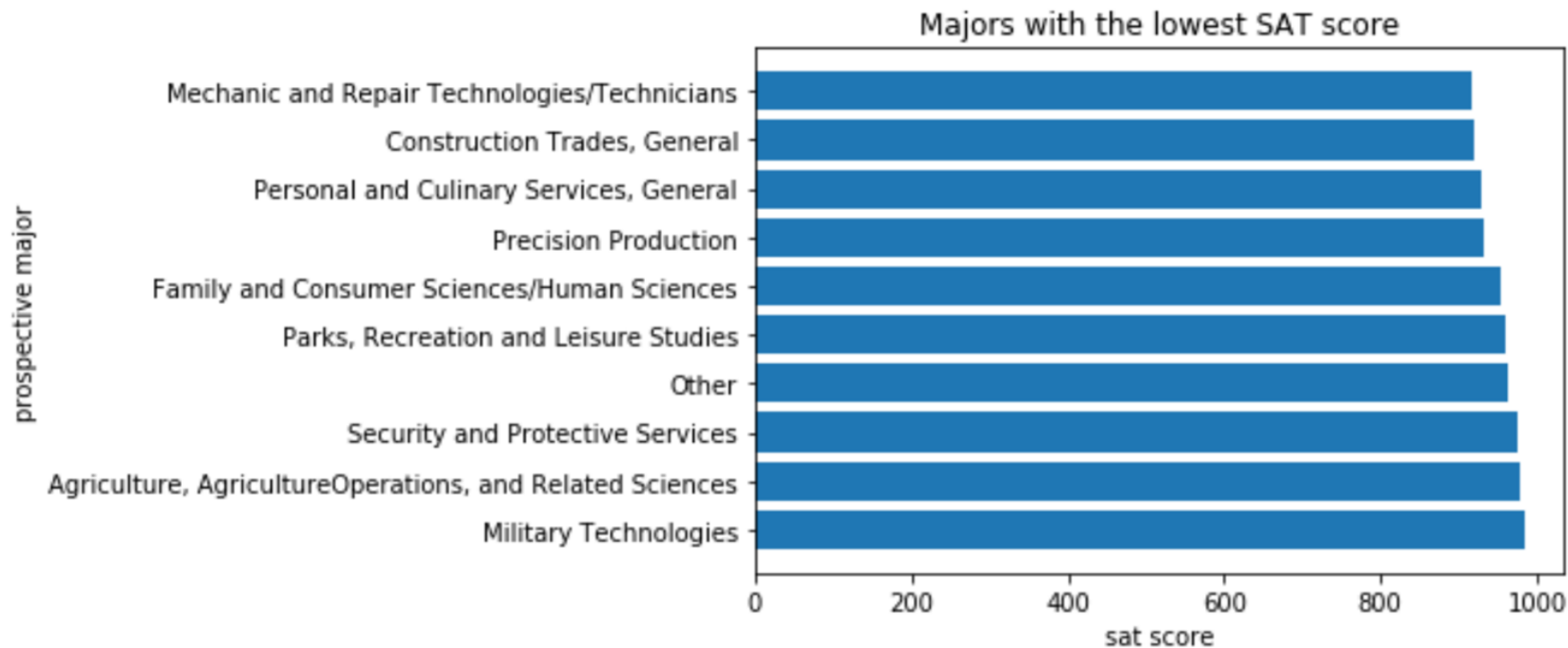
Distribution of average SAT score by major



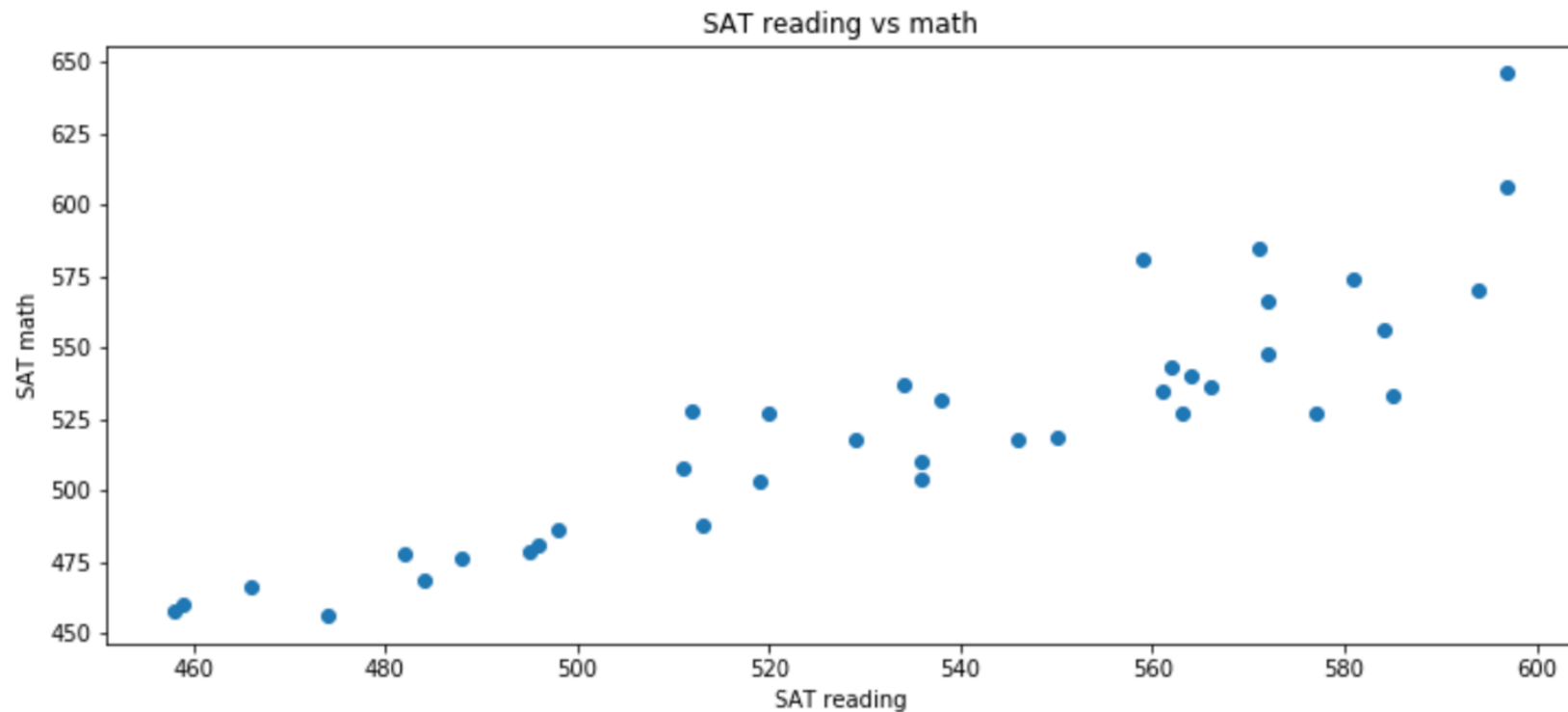
Majors with highest sat scores



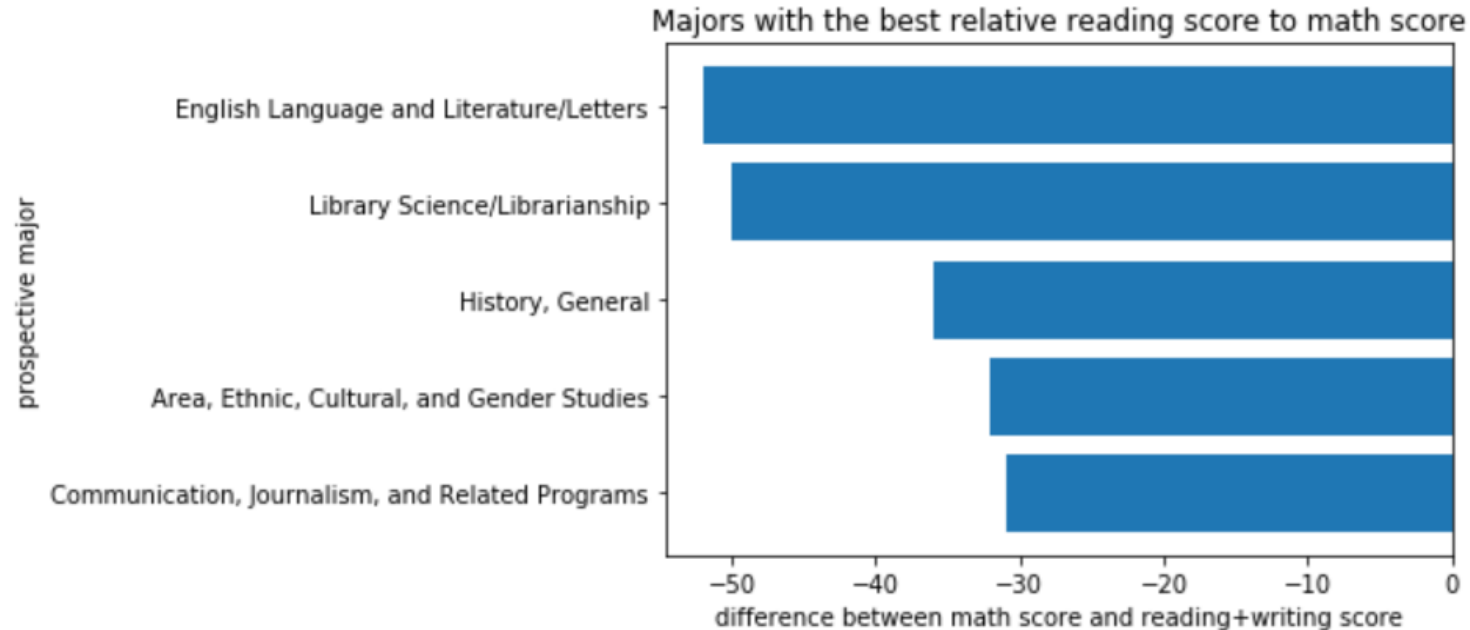
Majors with lowest sat scores



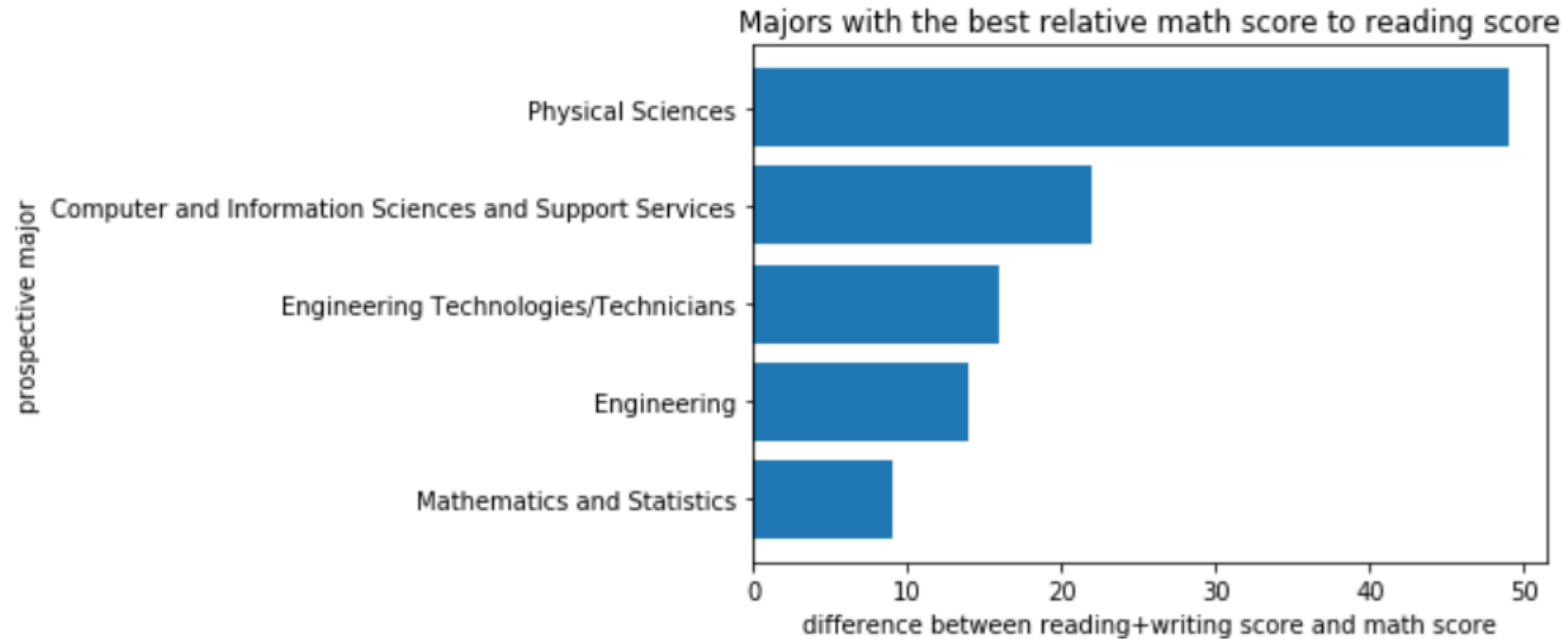
Sat reading component vs math component



Majors that do better at reading and writing



Majors that do better at math



Conclusion

More participation does not lead to better SAT scores.

No states stand out as being good at testing

Different intended majors do better on different parts of the SAT.

Different intended majors might want different types of prep

Further research:

Other factors:

Income, number of ap classes taken, GPAs, school districts and so on

Implementing - how do we use what we learned

THANK YOU