



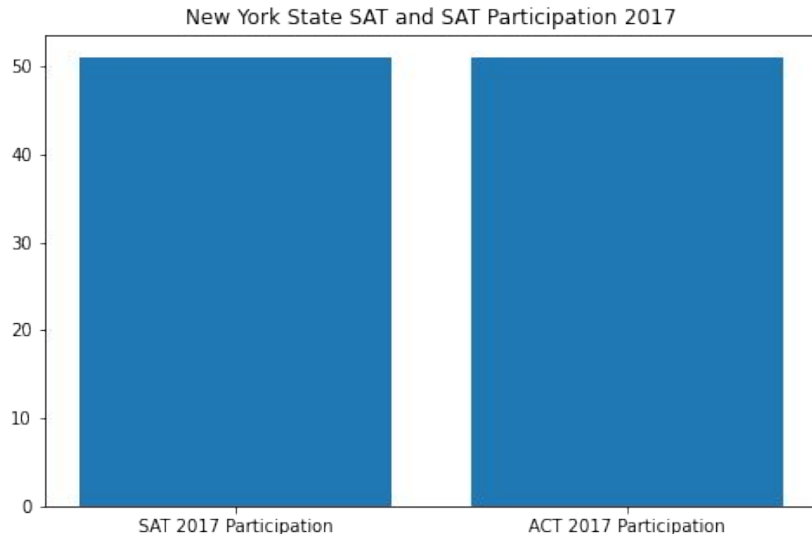
2017 - 2018 NY State SAT Analysis

Jared Delora-Ellefson

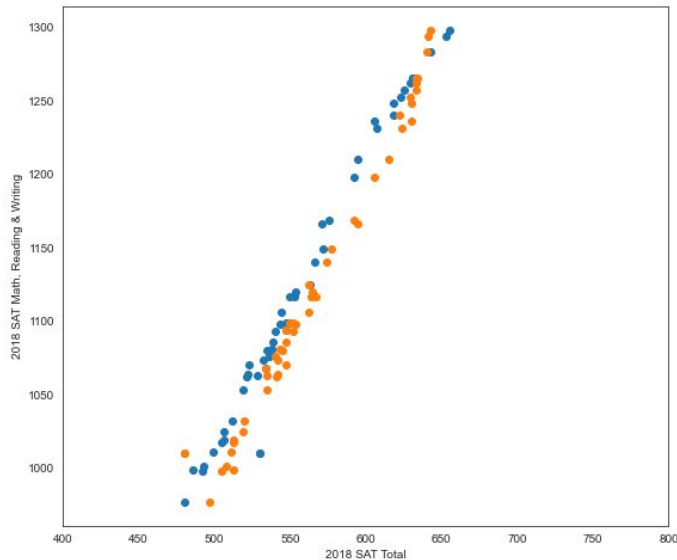
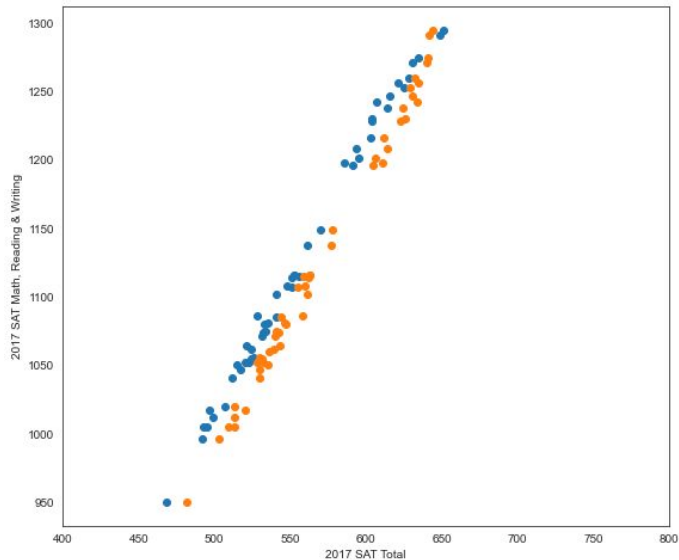
NY Students take the SAT as often as the ACT



- In NY State students are allowed to take either the ACT or SAT.
- The PSAT is given to all NY student sophomores, there is no ACT prep.
- Not all NY Students choose to take the SAT, preferring the ACT instead.
- In NY the ACT is taken as often as the SAT.
- The ACT allows the use of a calculator and also allows students to retake specific portions of the test.



NYC Math SAT and Reading Scores Relative to Student SAT Total Score

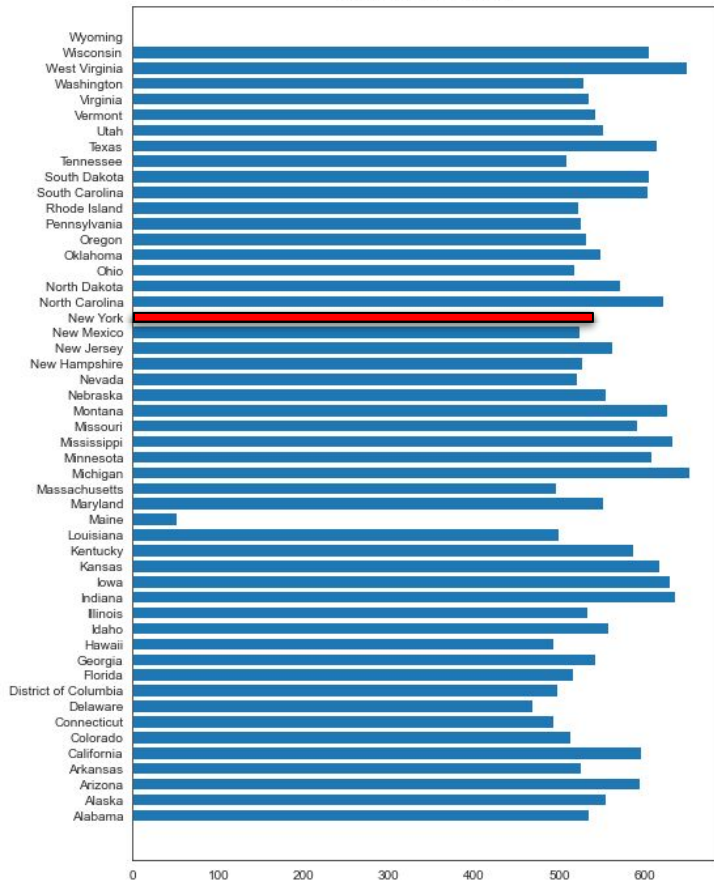


Total SAT Score is correlated to SAT Math and Reading Scores. Math and Reading Scores are equally important to obtaining a good SAT score.

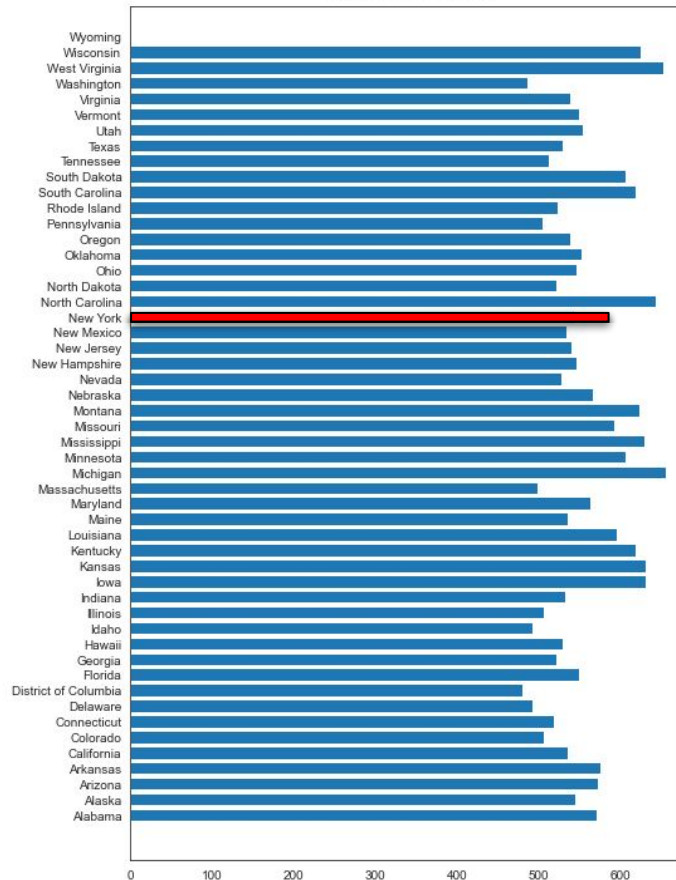


NYC Math SAT Scores Relative to Other States

SAT 2017 Math Scores



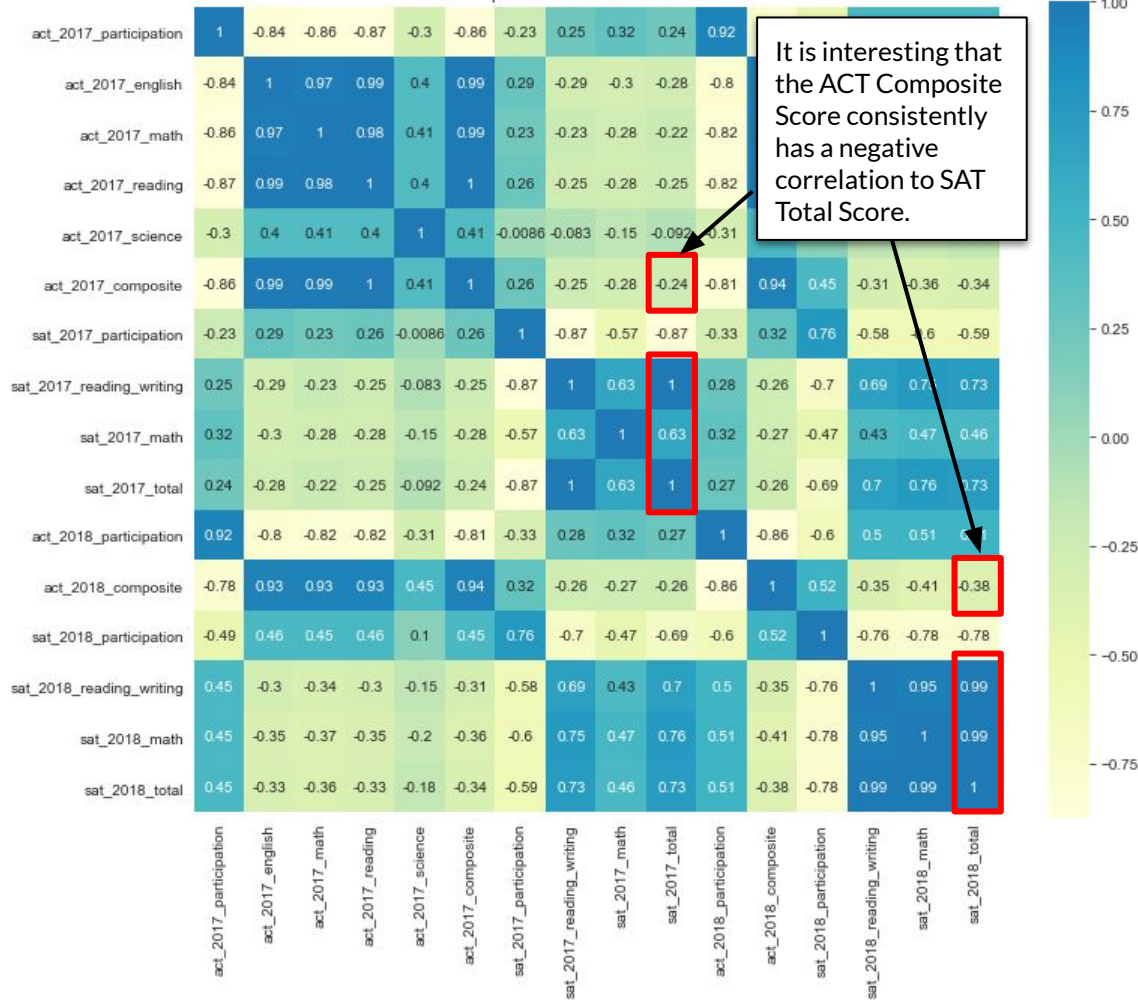
SAT 2018 Math Scores



NY State
SAT Math Score



Heatmap of correlations between features



The values highlighted in the matrix show a positive correlation between Math, Reading, and Writing skills with high SAT scores.

Increasing Personal Coaching in these areas could would a positive effect on the SAT Total Score.



Conclusions:

- SAT scores are highly correlated to Math, Reading, and Writing skills.
- NY scores relatively high on the SAT relative to other States.
- Private Coaching for the SAT is not free, it is very effective but costs in excess of \$1000.
- Free SAT coaching would make taking the SAT more attractive.



Recommendations:

- NY Should provide free Personal SAT coaching
- Maybe allow calculators?

Questions still be addressed:

- What percentage of NY students receive private SAT coaching?
- What is the cost of providing free personalized SAT coaching to all NY students?





Q&A
