



SAT & ACT Data Analysis

SAT or ACT low participation
rate

Created by Umar



Problem Statement

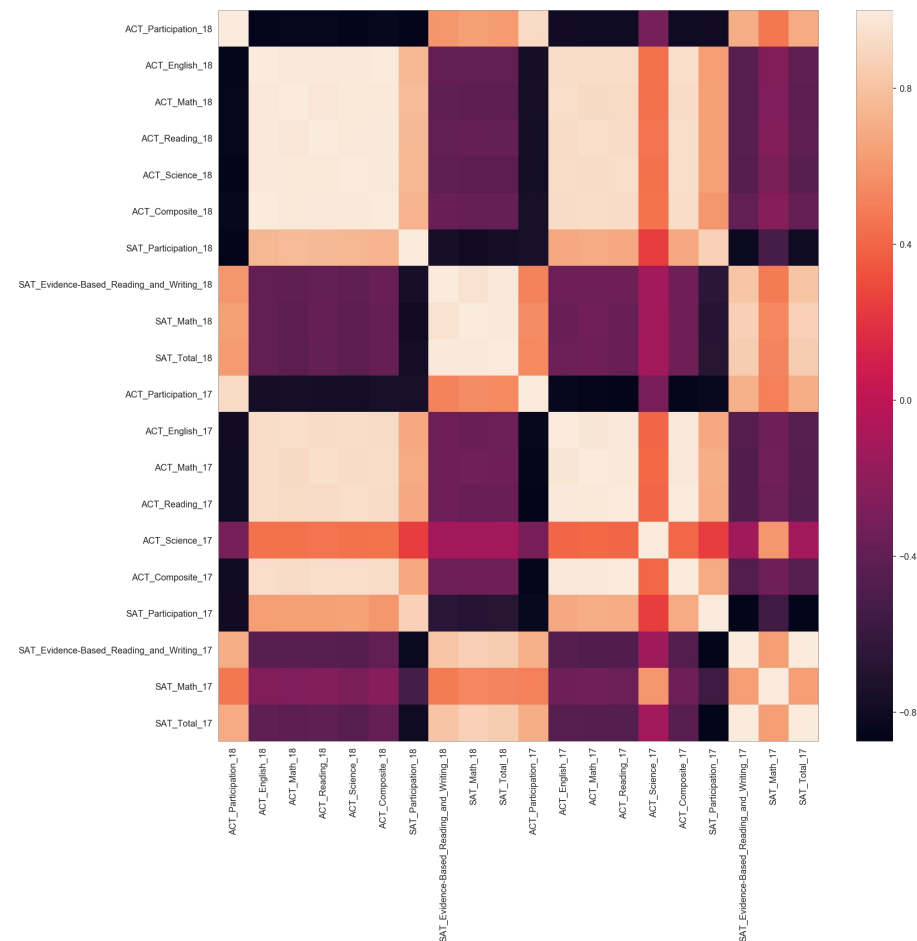
There has been a change in the participation rate.

And look into the reason why there is low participation for the exams

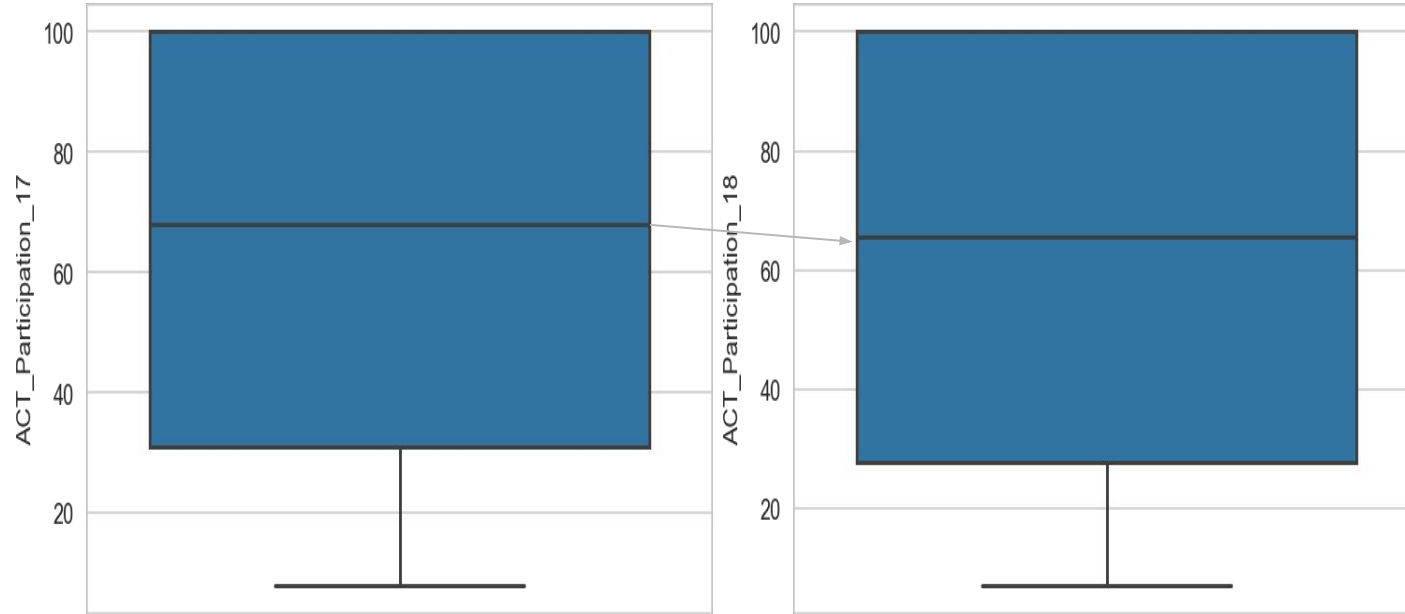
ACT VS SAT exam modules

ACT	SAT
English	Evidence based reading and writing
Science	Math
Math	
Reading	

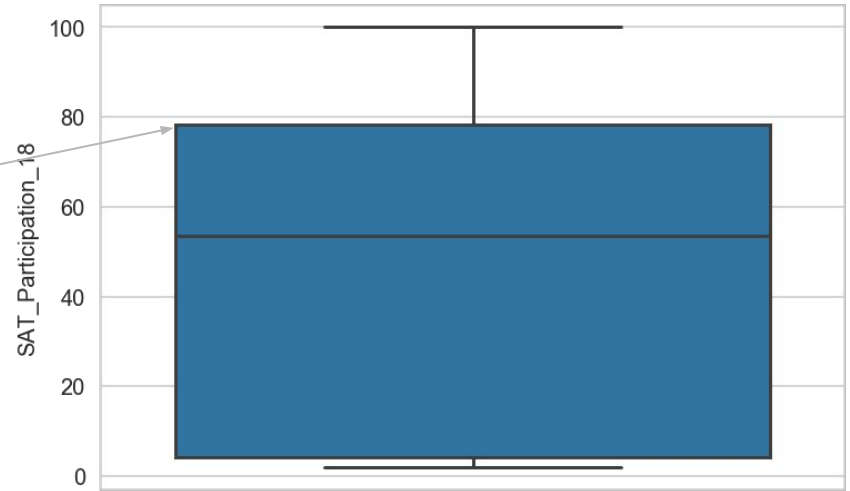
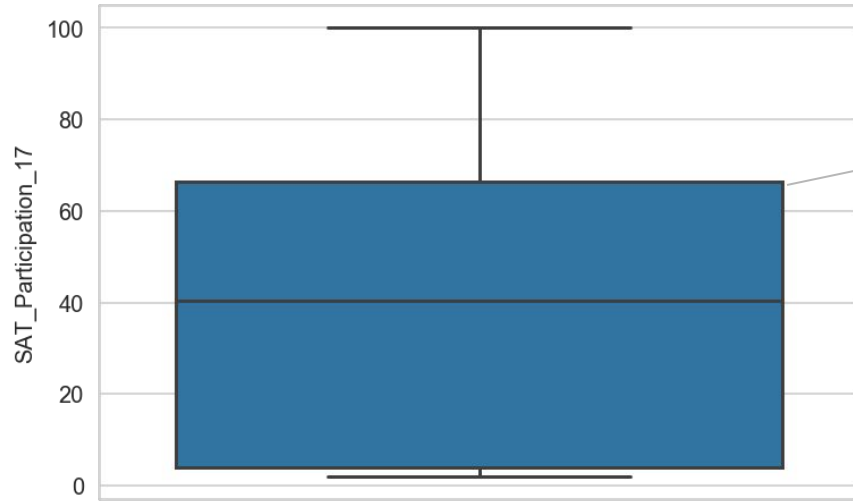
Generated Heat Map



ACT participation change



SAT participation change



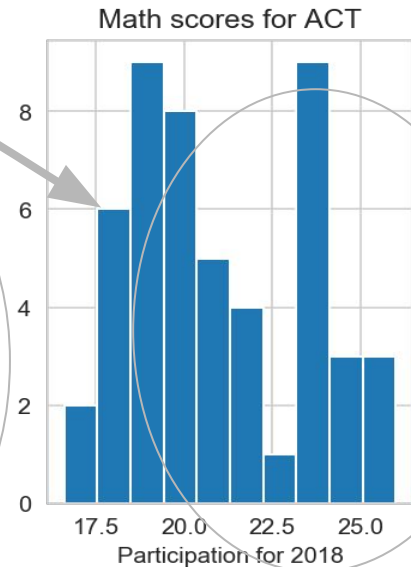
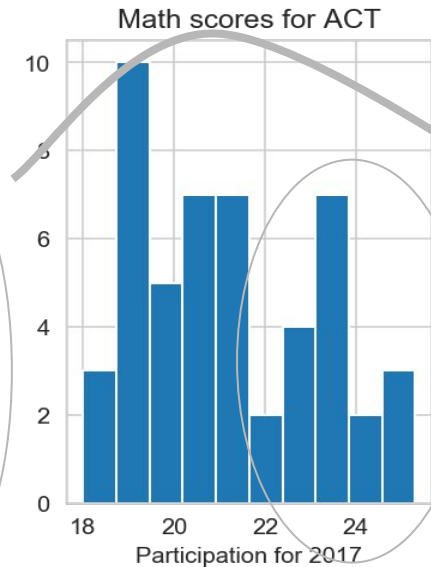
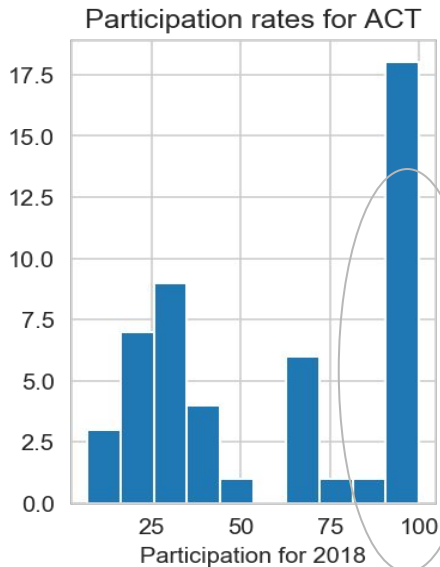
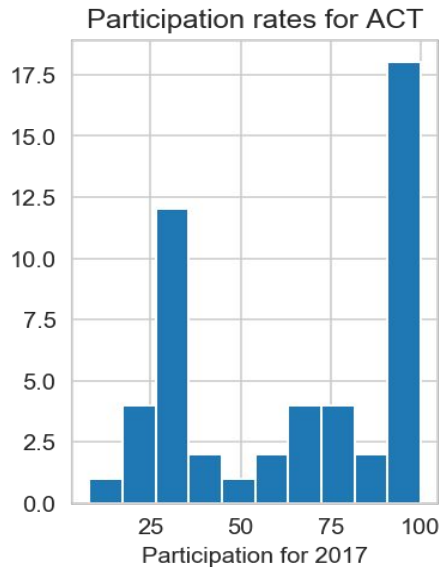
Changes in ACT format (2018)

- No changes
- Already have existing no score penalty system

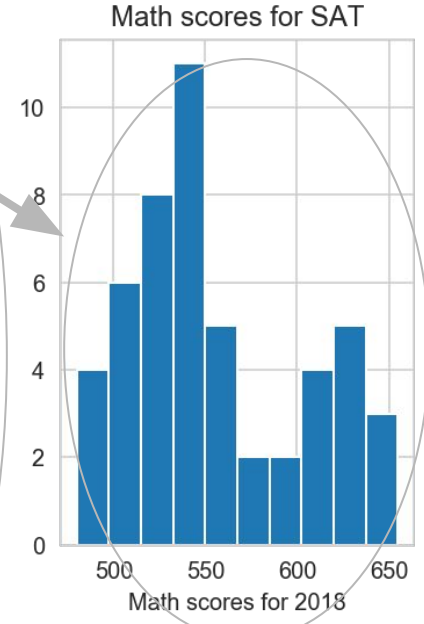
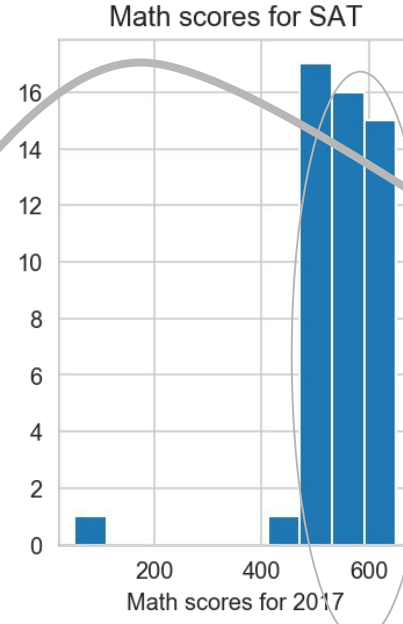
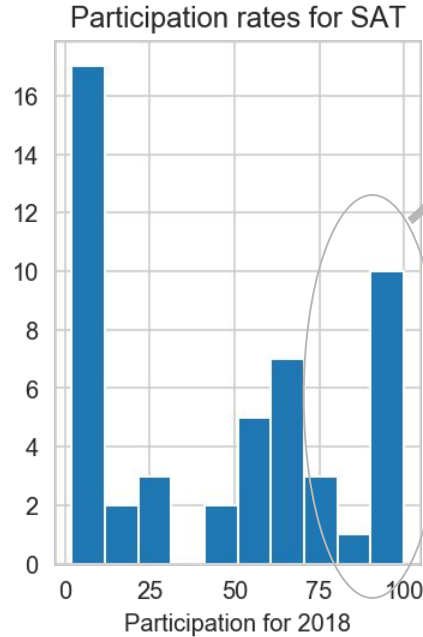
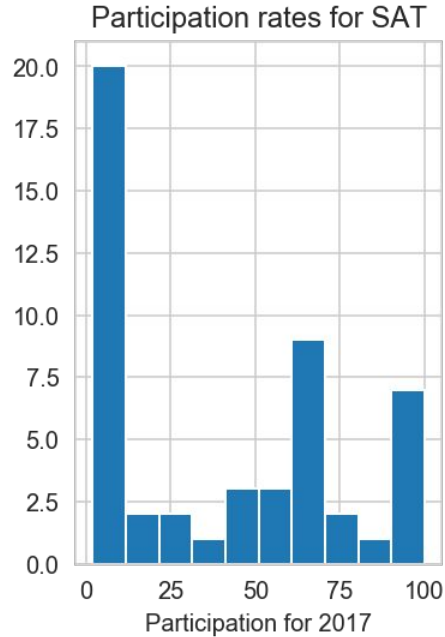
Changes in SAT format (2018)

- There is no score penalty for incorrect answers on the SAT exam
- Old SAT the max score was 2400, but current SAT the max score is just 1600

Changes to passing rate in ACT



Changes to passing rate in SAT



Conclusion

- Due to the changes in SAT terms in 2018, lead to the rise in popularity in students taking SAT exams
- This is further backed by the higher rate of score of SAT, due to the removal of score penalty

Recommendations

-ACT can merge Reading and English as 1 module to reduce the number of exam modules, students need to take