Project 1 : SAT & ACT Analysis
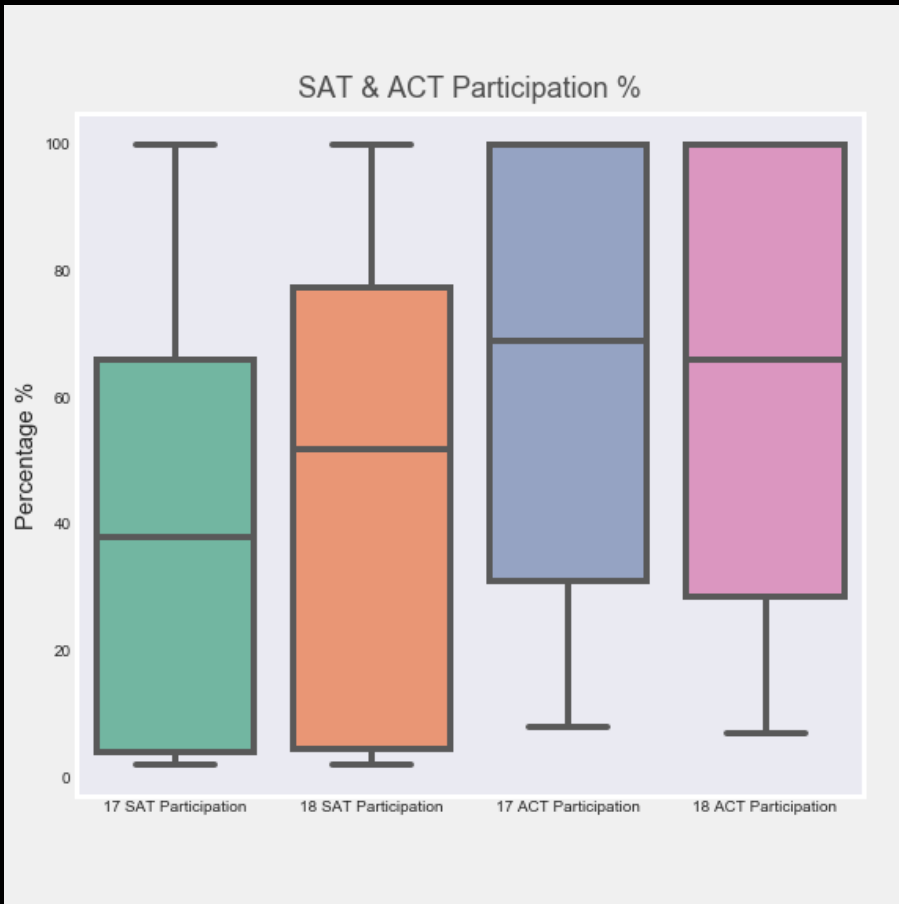
Presented by:
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PROBLEM STATEMENT

There are still potential for SAT participation rate to increase across all states.

Given the data set of SAT and ACT in 2017 and 2018, we hope to identify insightful trend **to suggest effective measures to implement and increase participation rate**; especially in states with low SAT participation rate.
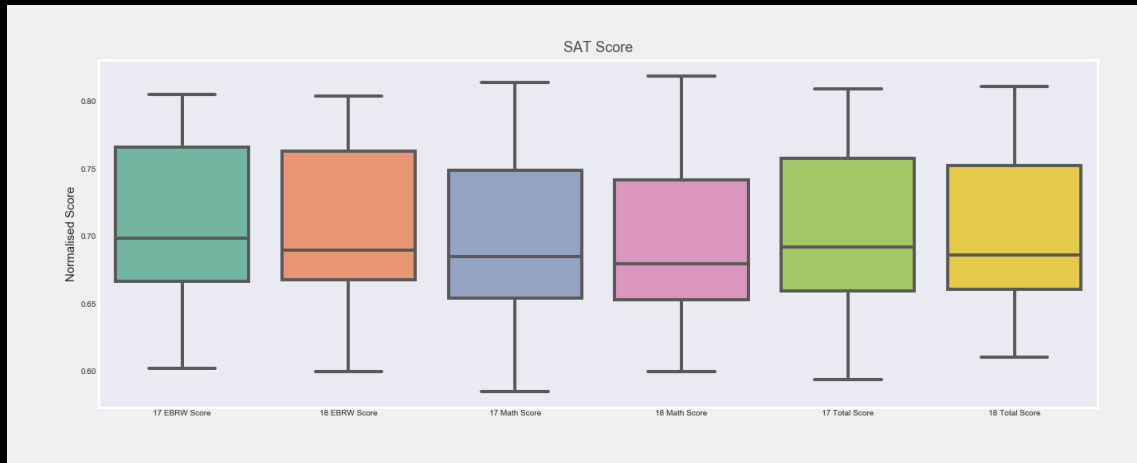
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DATA OVERVIEW

Analysis of SAT, ACT data from 2017 and 2018

SAT & ACT Participation %

- Average participation rate of SAT is lower than ACT

- Wider spread of participation rate in 2018 for SAT

- Though Q1 is still relatively low compared to ACT

SAT Score

ACT Score

- The English/Reading/Writing subjects for both SAT & ACT has higher Q3 than that of Math & Science
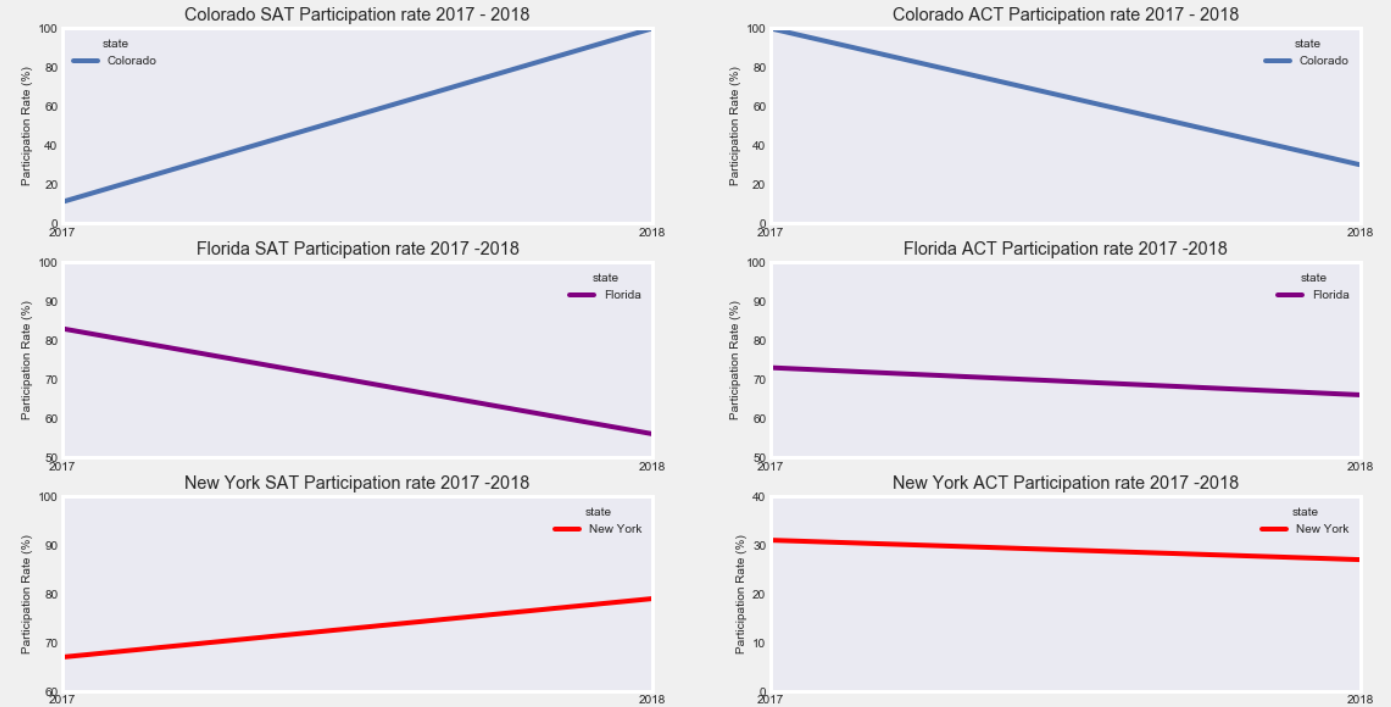
CASE STUDIES

Review of 3 states' Participation rate:
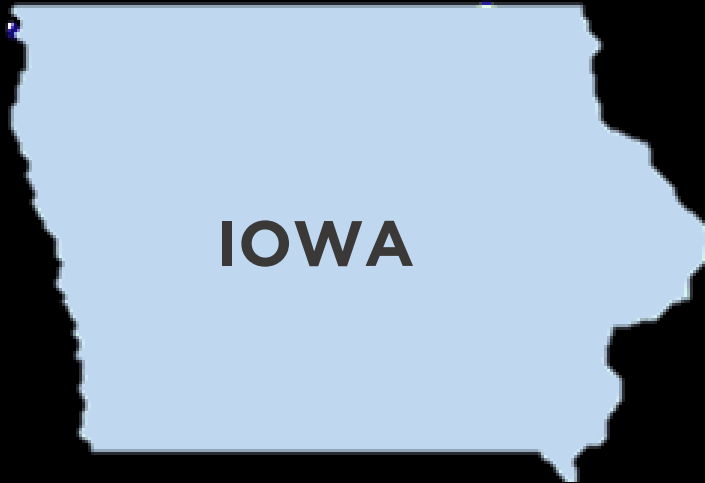
Colorado
Florida
New York

SAT's wavier and school day program effectively helped to increase participation rate of Florida (updated as of 2019) and New York.

For Colorado, SAT was chosen because of it's higher accuracy to indication a student's chance to enter University.

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CONCLUSION & RECOMMENDATIONS

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State to target:

IOWA

- No mandatory test yet
- Low SAT participation rate in both 2017 (2%) & 2018 (3%)

Recommendation

1. Widen the wavier eligibility of students to more lower income group
2. Provide more support to help student improve Math & Science score
3. Reach out to minority group such and provide equity opportunity to the groups to take SAT
4. Create awareness about SAT's inclusive program to State Government and Universities in Iowa

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THANK YOU