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Review of the methodology on the education ranking for the best States



Content

- 1. Recap on the methodology used**
- 2. Problem Statement**
- 3. Analysis on ACT and SAT trends**
- 4. Summary and recommendation**

Recap on the methodology used

States' education system ranking methodology based on student success:

- High School Graduation Rate
 - High School Dropout Rate
 - ACT Scores
 - SAT Scores
 - College-Going Rates
 - Reading Test Scores
 - Math Test Scores
- } areas of concern
- Unclear accuracy in determining college readiness
 - No connection in predicting college success
 - Declining ACT participation

Sources:

<https://edition.cnn.com/2020/04/14/us/coronavirus-colleges-sat-act-test-trnd/index.html>
<https://news.uchicago.edu/story/test-scores-dont-stack-gpas-predicting-college-success>

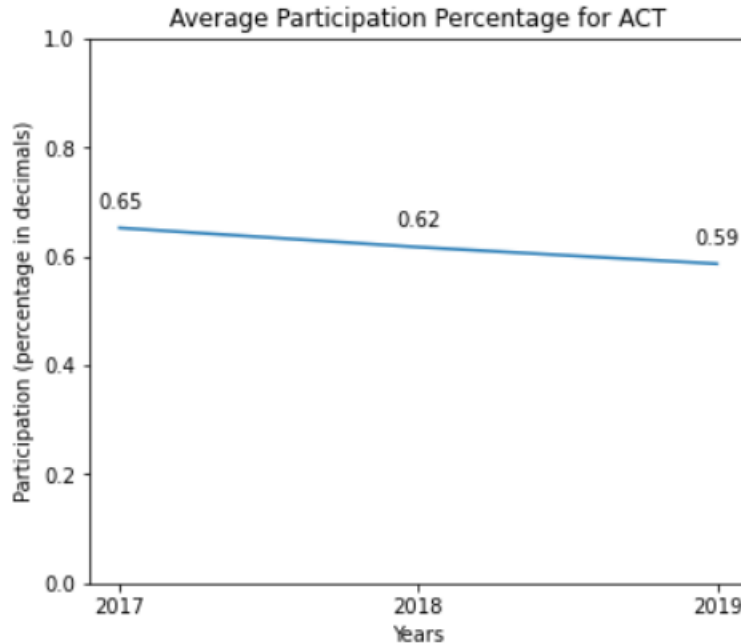
● ● Problem Statement

Should United States' (US) standardised college readiness tests' (i.e. American College Testing, ACT and SAT) results be included as the measures for the ranking of the best States for education ?

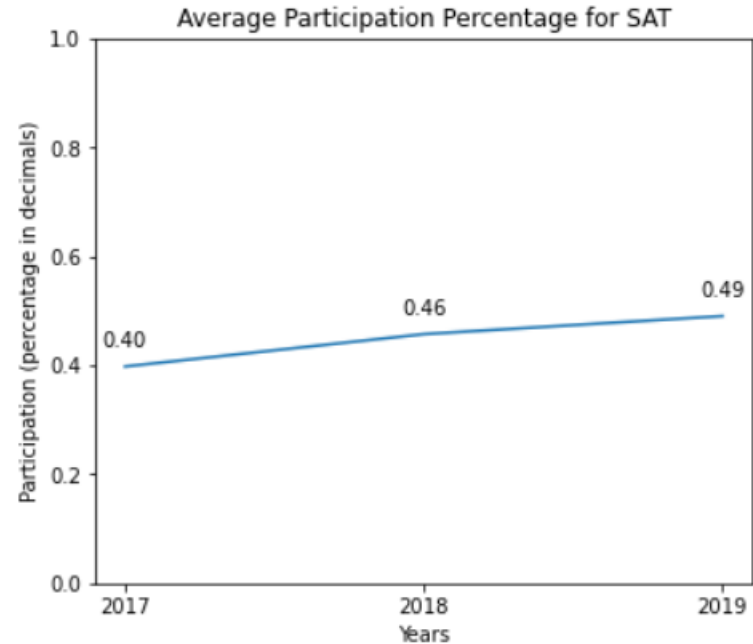
Yes or No



ACT and SAT average participation from 2017 to 2019

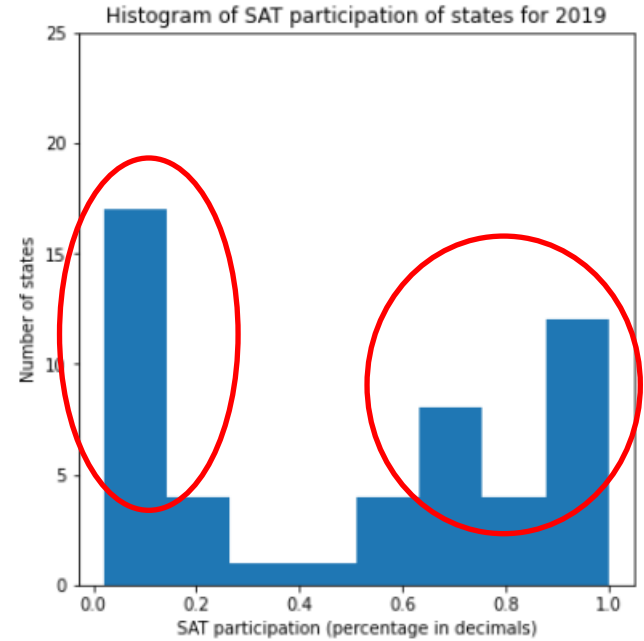
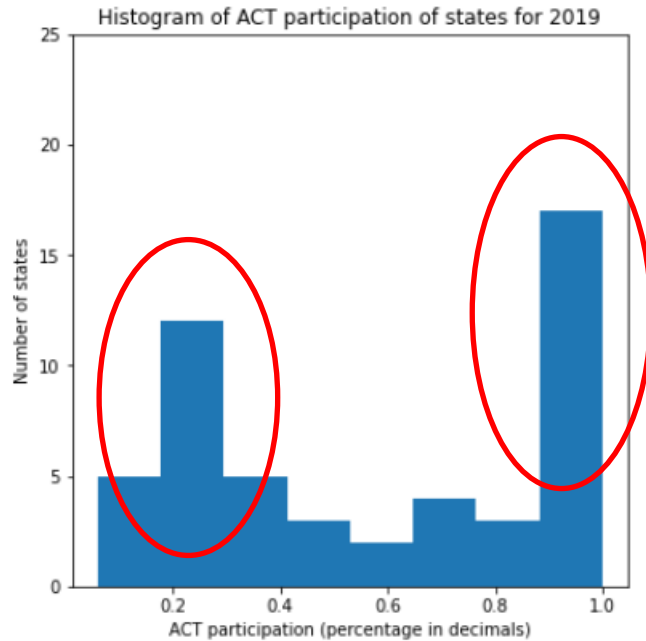


Declining average ACT participation



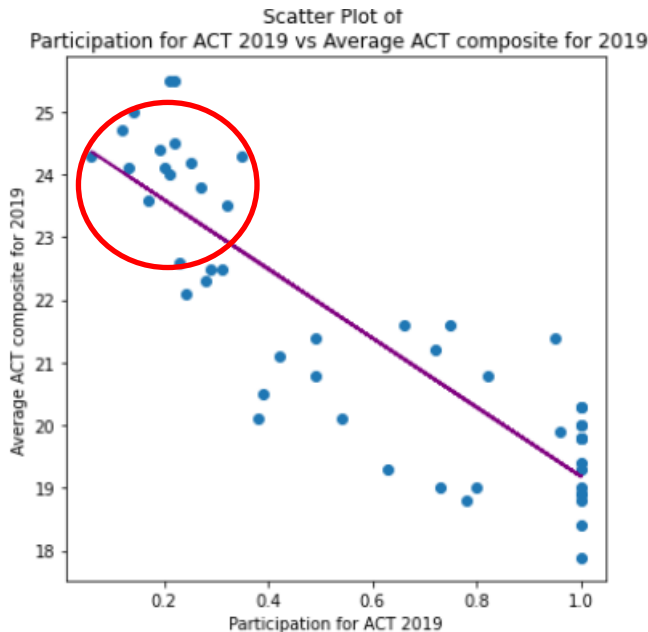
Though increase in the average SAT participation over the years, the percentage is still less than 50%

States' participation in ACT and SAT for 2019



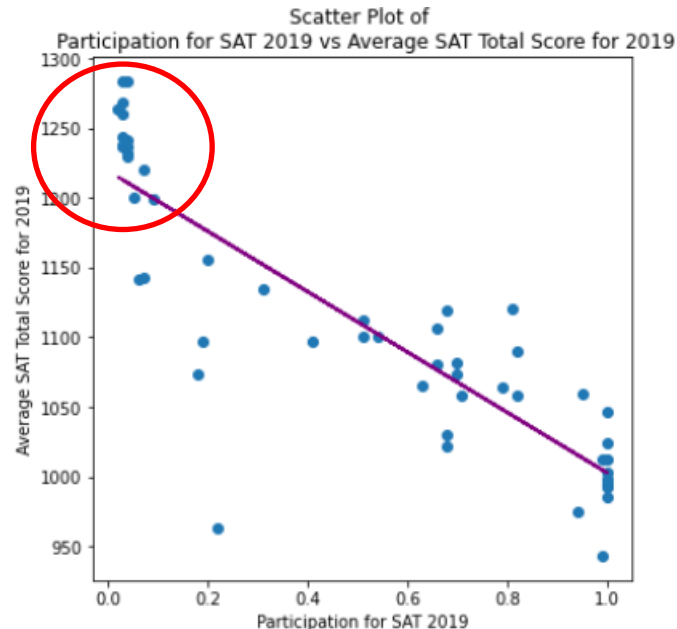
About half of the number of states have very low percentage in ACT/SAT.

Comparing participation and scores



↓ The lower the participation,
↑ the higher the average test score

For 2019, comparing the respective ACT and SAT scores of Delaware, Michigan and Rhode Island with the help from the SAT-ACT conversion table. It is found that the trend is true.



↓ The lower the participation,
↑ the higher the average test score

For 2019, comparing the respective ACT and SAT scores of Kentucky, Nebraska and Wisconsin with the help from the SAT-ACT conversion table. It is found that the trend is true.



Summary and recommendation

Key Observations:

- Around 50% of states with low participation percentage for ACT and SAT
- Test results skewed towards higher score for lower participation

Results are not representative of the state's performance



Recommendation:

Standardised test results (ACT & SAT) should not be included as the measures for the ranking of the best States for education.



Thank you!

**Have a great day
ahead :)**