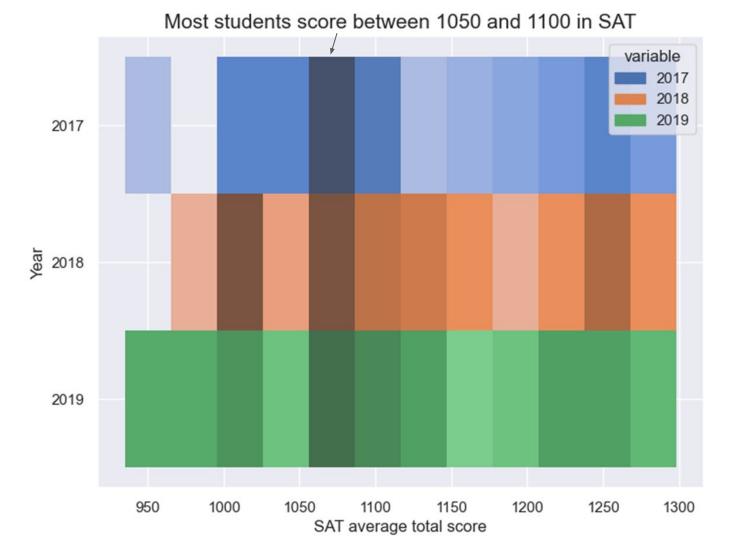
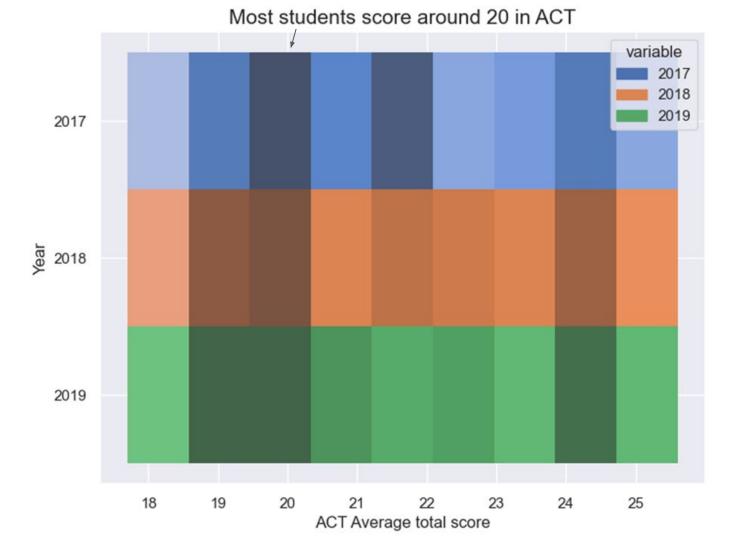
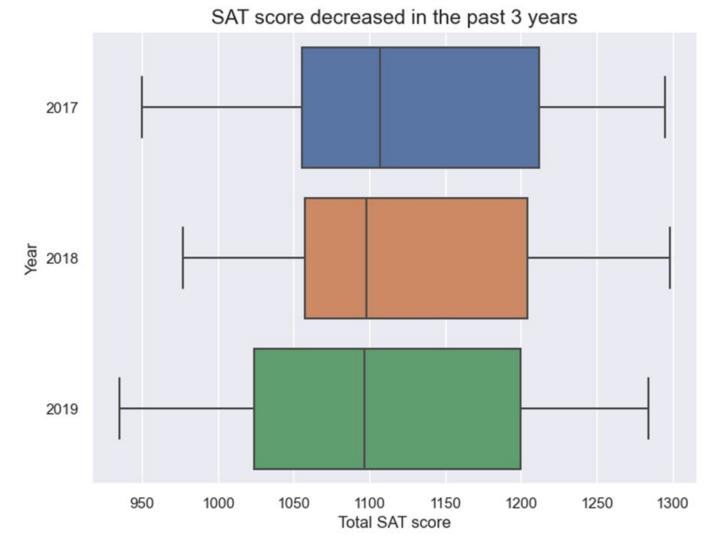
Problem Statement

Education is important to a country because it improves stability, provides better opportunity and boosts the economy. SAT and ACT are used for college admission decisions. Tertiary education being one of the key factors affecting the employability and the future of a person, Department of Education is performing analysis on the country's SAT and ACT results to determine which of the states require more resources allocation and focus.

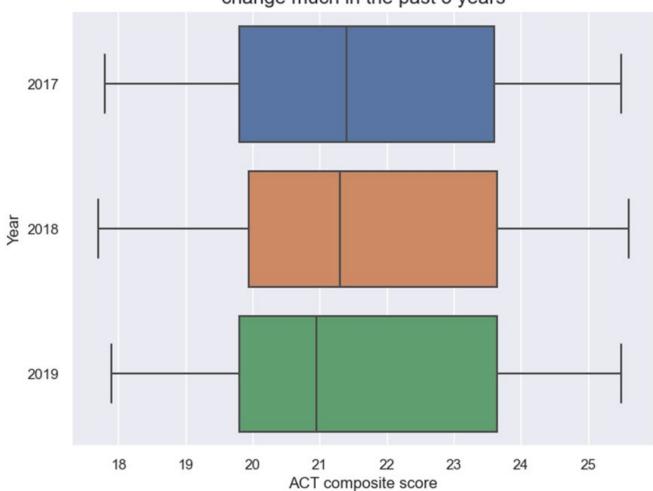




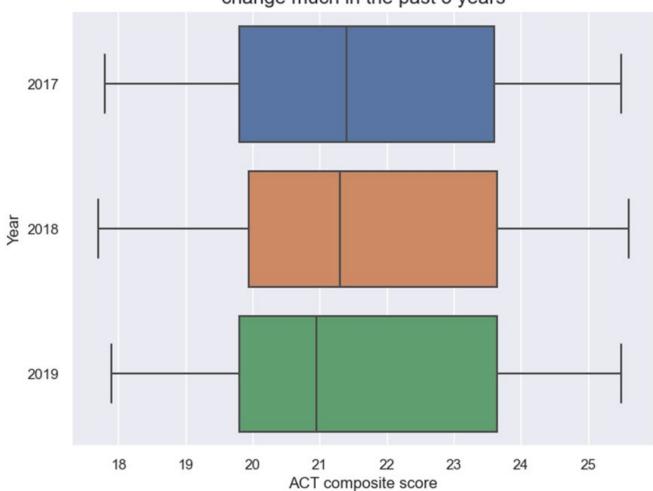
Participation rate of SAT has increased in past 3 years ACT SAT 0.7 0.6 Participation Rate 0.5 0.4 0.3 2017 2018 2019 Year

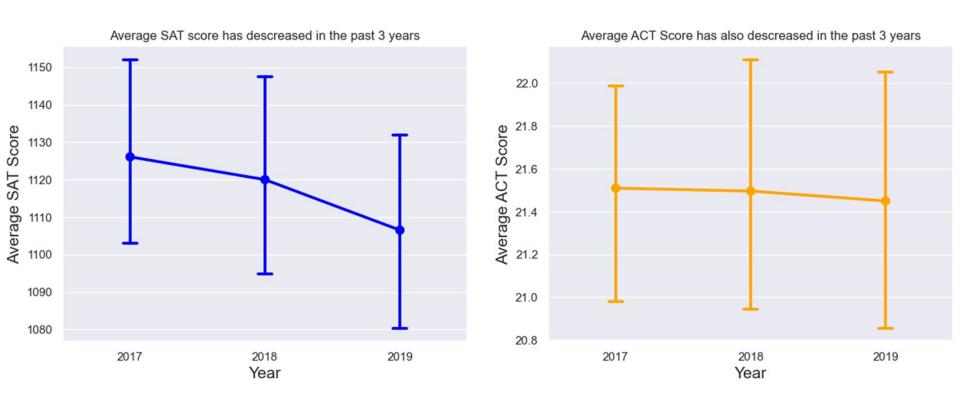


Interquartile range of ACT score did not change much in the past 3 years

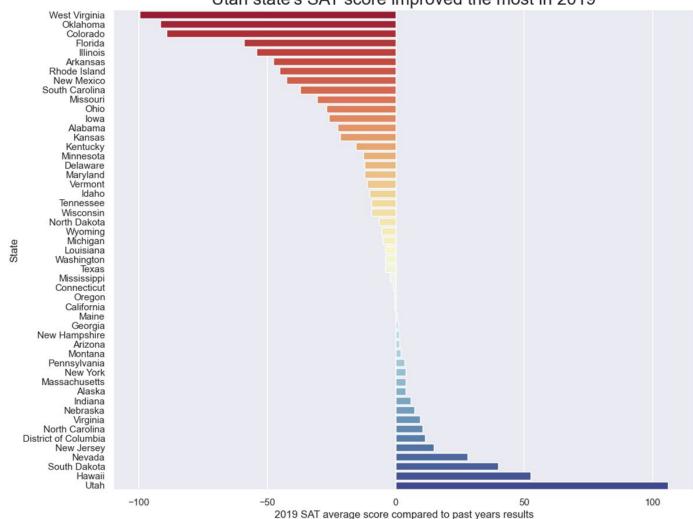


Interquartile range of ACT score did not change much in the past 3 years

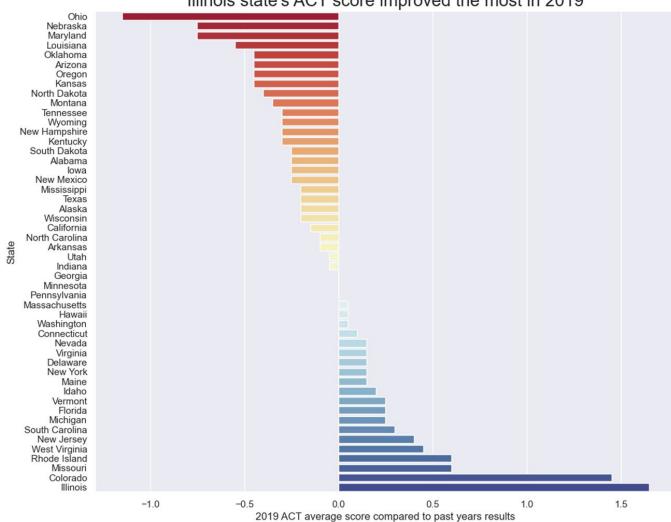




Utah state's SAT score improved the most in 2019



Illinois state's ACT score improved the most in 2019



Most of the states have negative combined performance Oklahoma Ohio West Virginia New Mexico Maryland Arkánsas Kansas Florida lowa Alabama Nebraska Louisiana Kentucky North Dakota Tennessee Oregon Arizona Wyoming Wisconsin South Carolina Montana New Hampshire Texas Mississippi Minnesota California Rhode Island Alaska Delaware Colorado Washington Georgia Idaho Indiana Pennsylvania Vermont North Carolina Connecticut Missouri Massachusetts Maine Michigan New York Virginia South Dakota Nevada New Jersey Illinois Hawaii Utah -1.5-1.0 -0.5 0.5 1.5 -2.01.0 2019 overall average score compared to past years results

Conclusion

Ideally we would want to put in effort in every state to improve the overall results of the country. However, due to resources constraint, it is advised to focus more of the resources on **Oklahoma**, **Ohio** and **West Virginia** to prevent the results in these states get worsen.

THANK YOU

Prepared by:

Jance Ng

Jin Min Wood

Adrian Kong