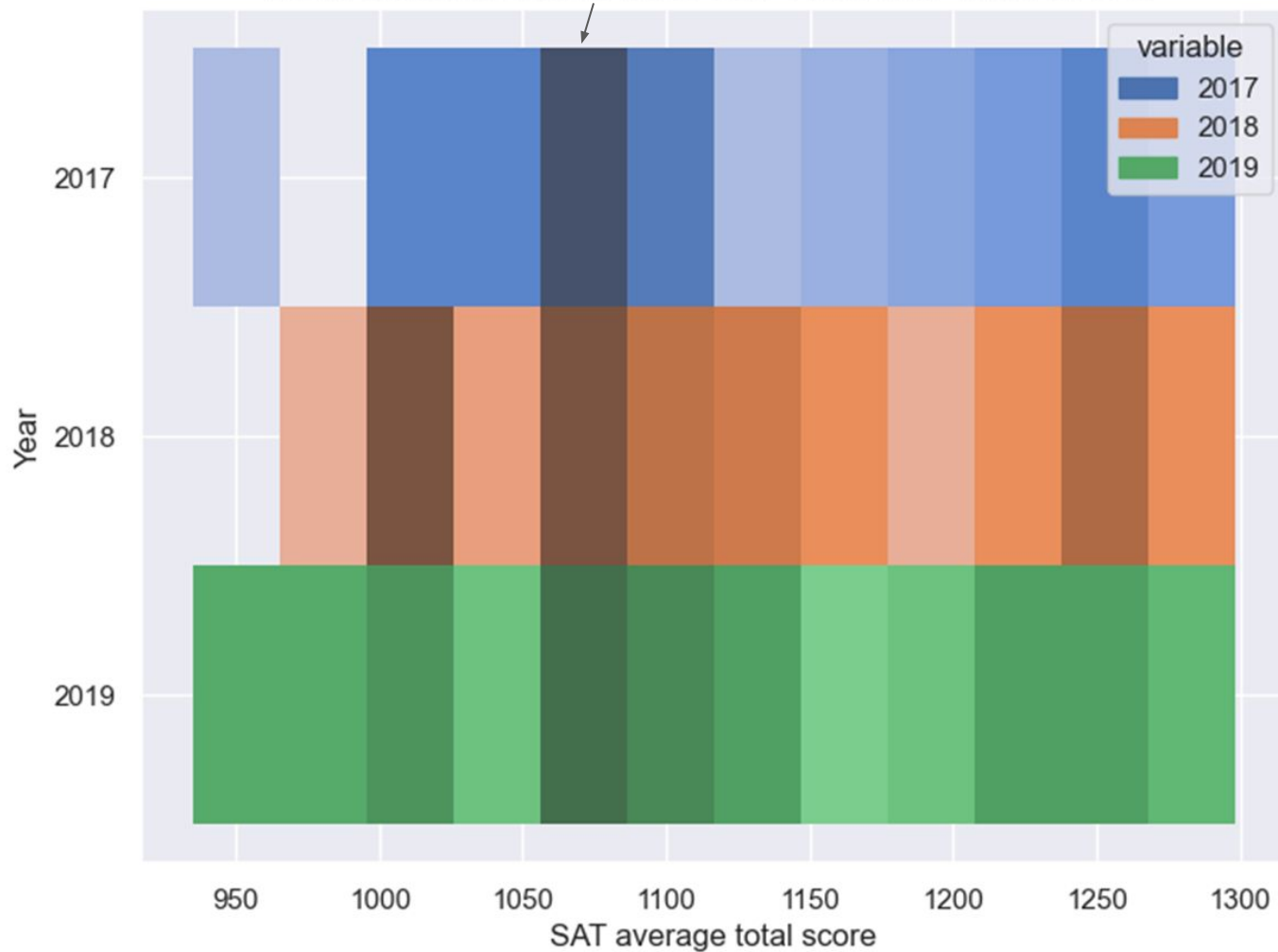


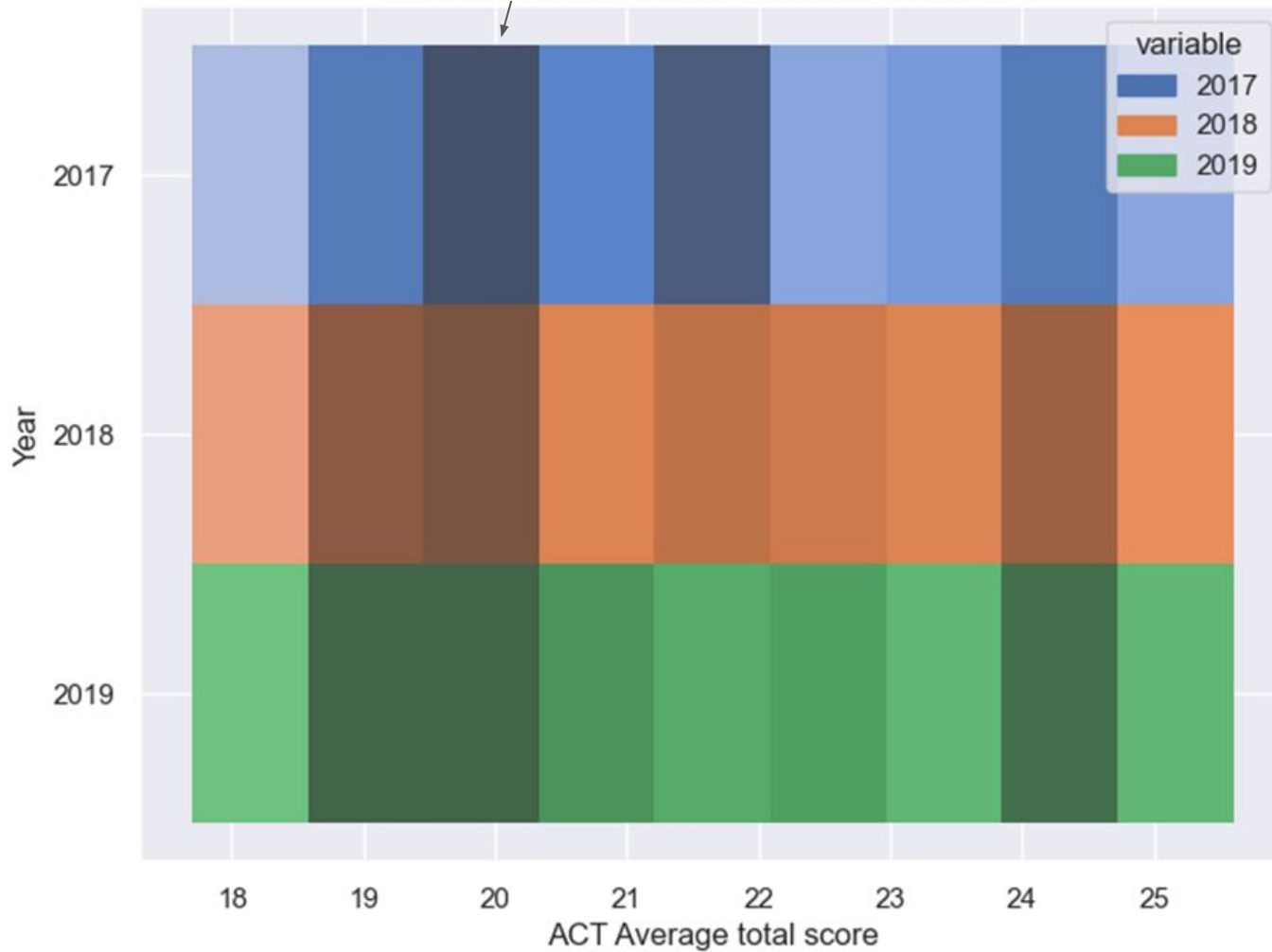
Problem Statement

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.

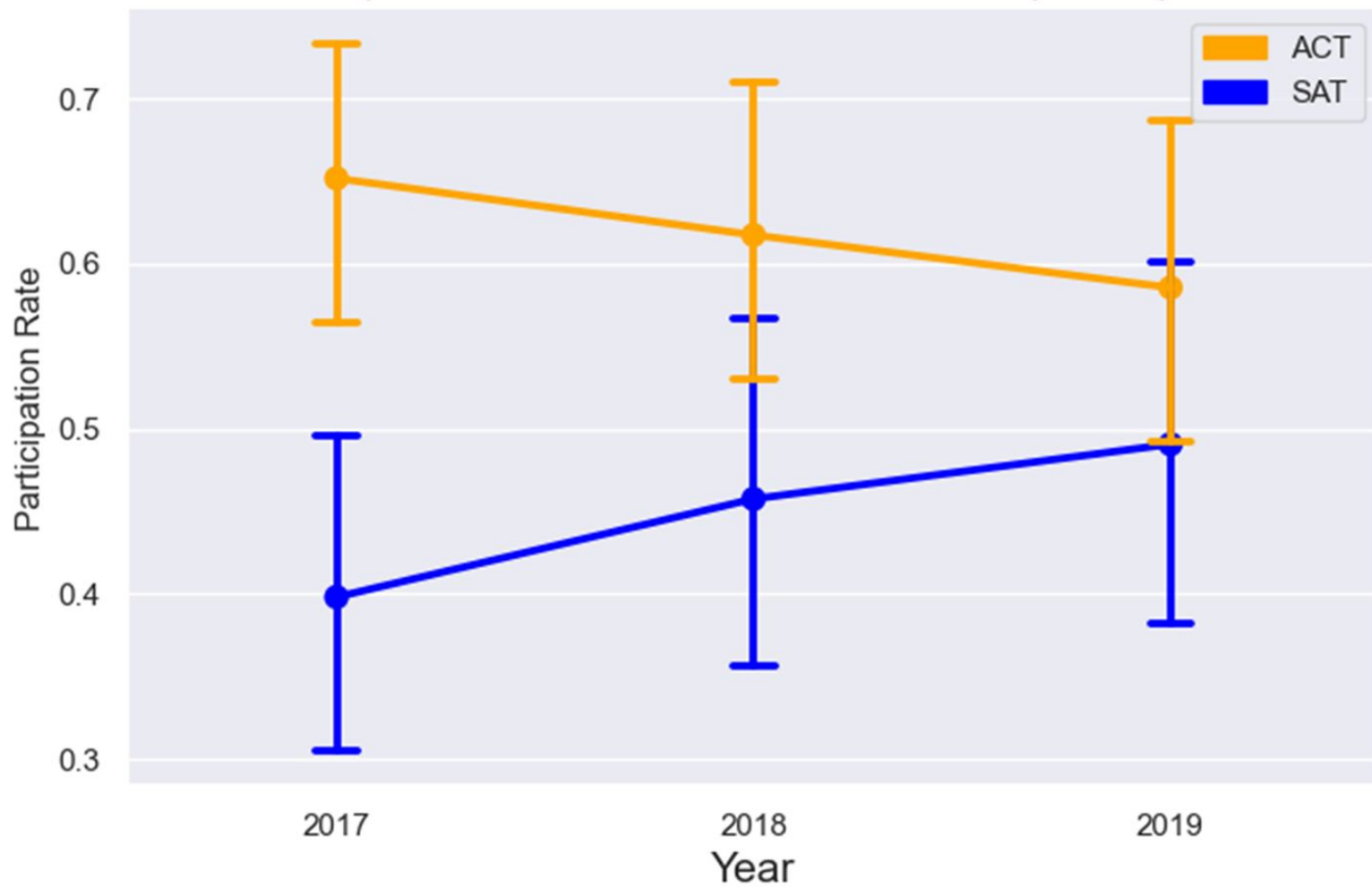
Most students score between 1050 and 1100 in SAT



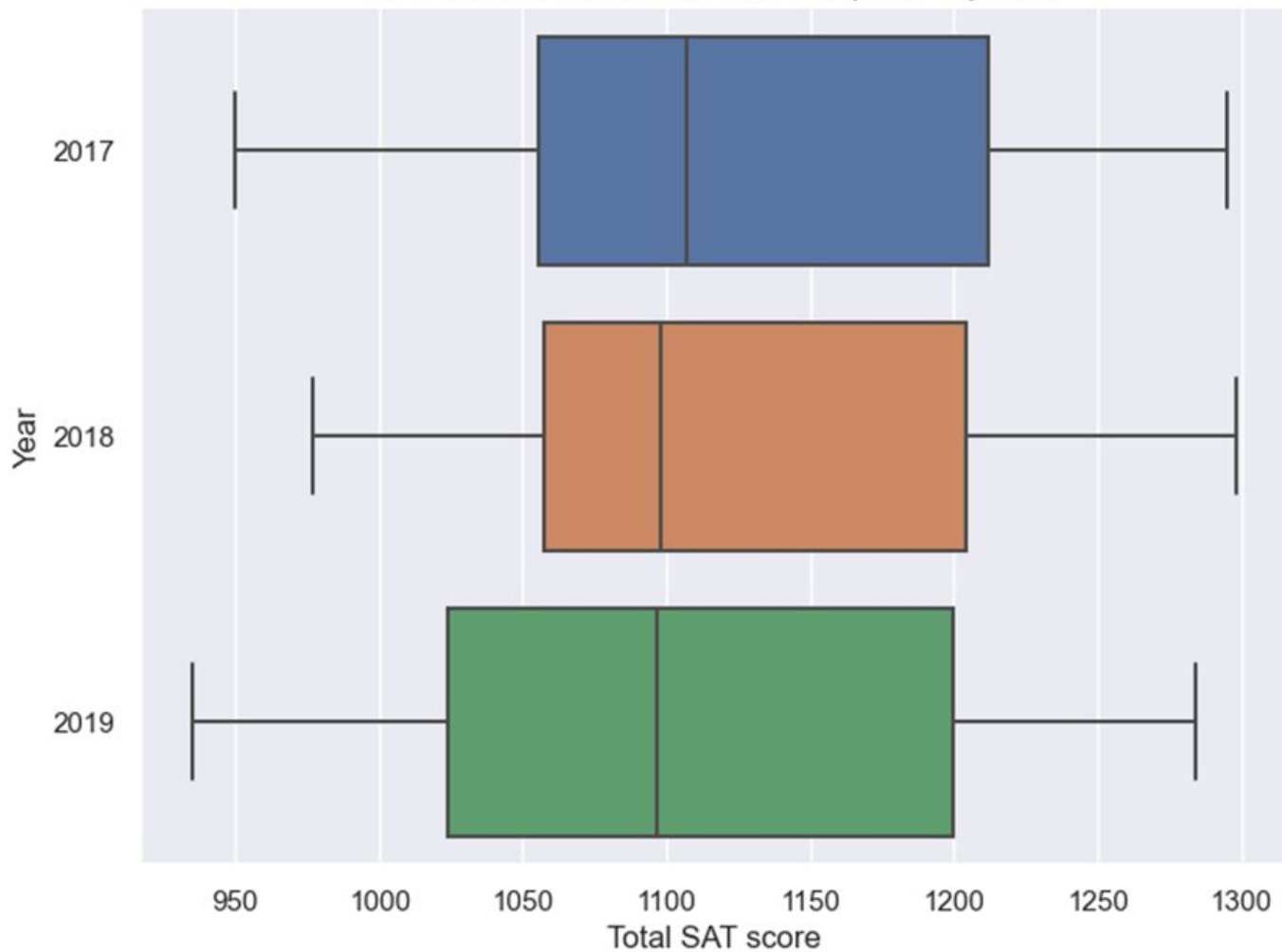
Most students score around 20 in ACT



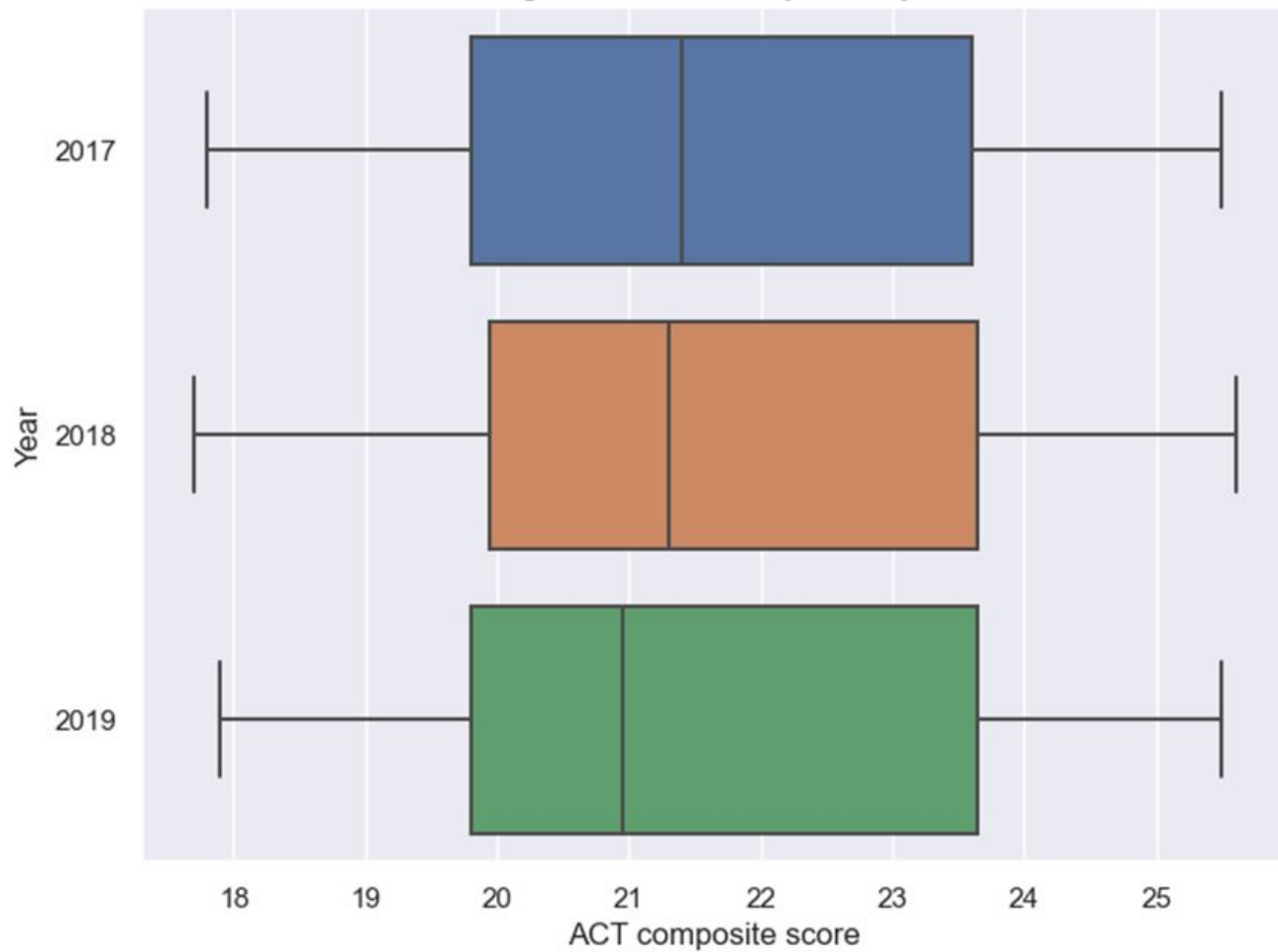
Participation rate of SAT has increased in past 3 years



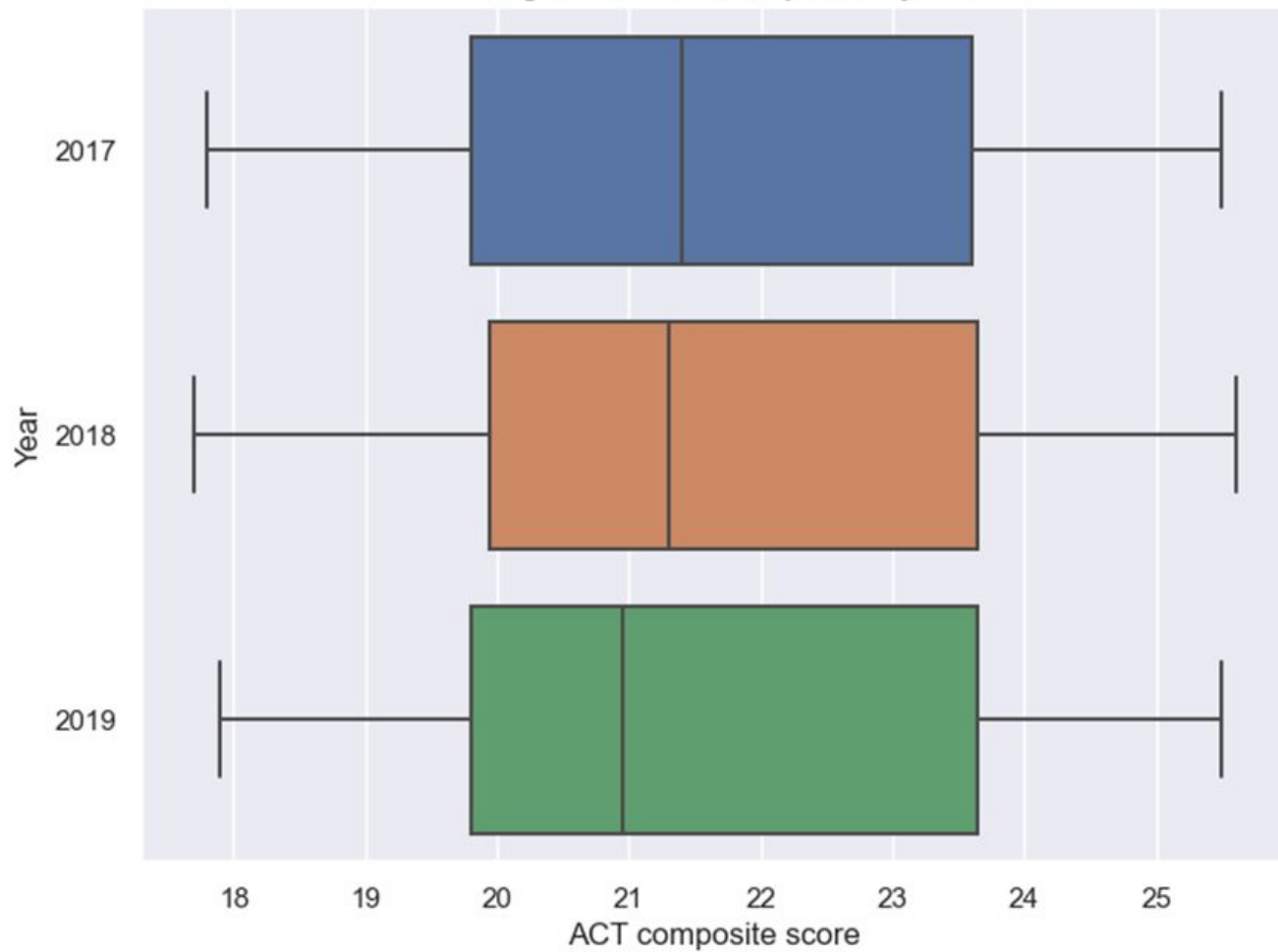
SAT score decreased in the past 3 years



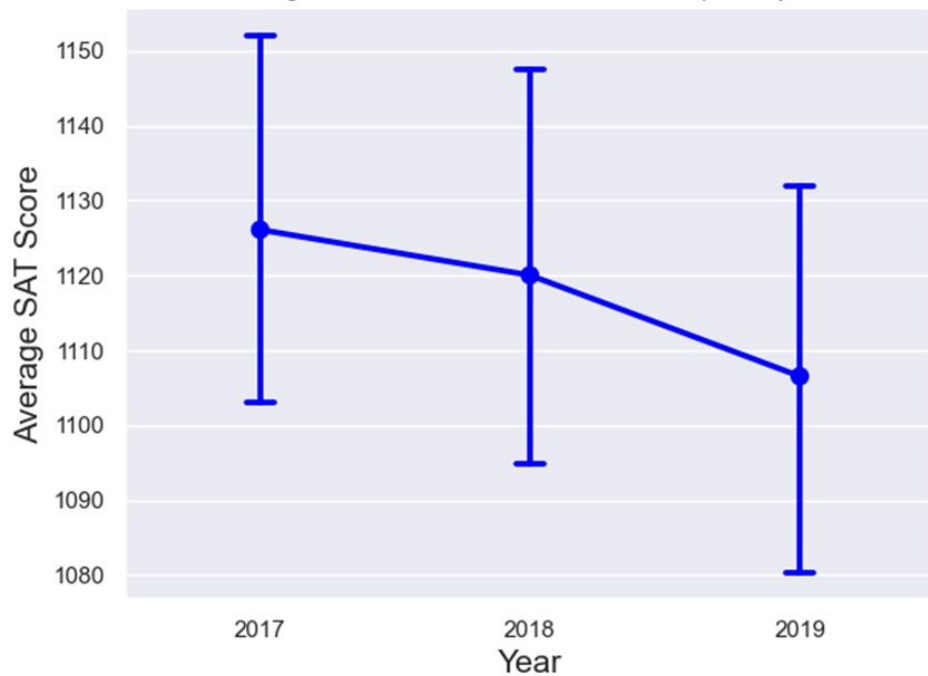
Interquartile range of ACT score did not change much in the past 3 years



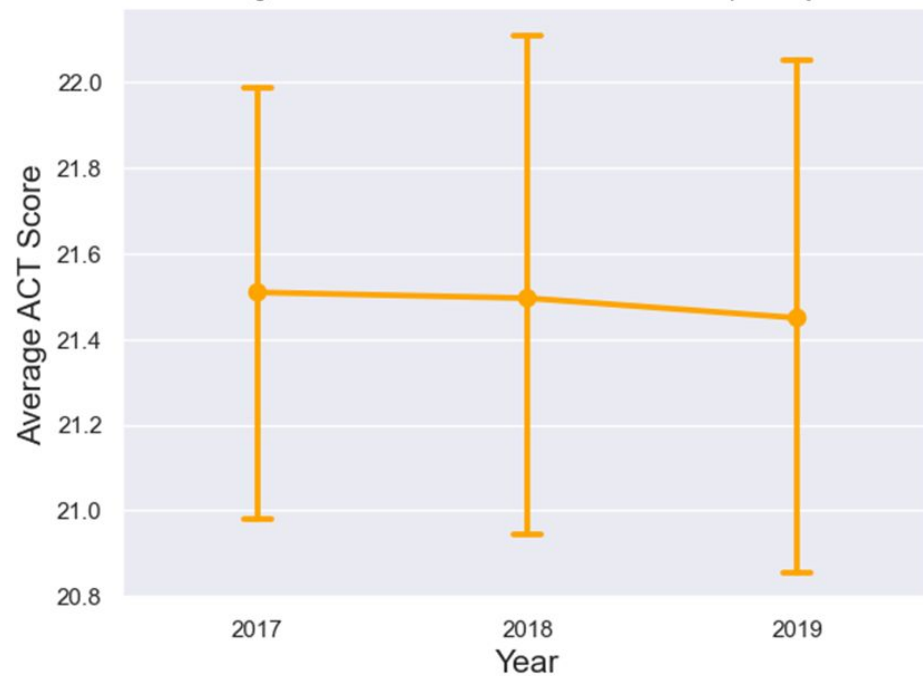
Interquartile range of ACT score did not change much in the past 3 years



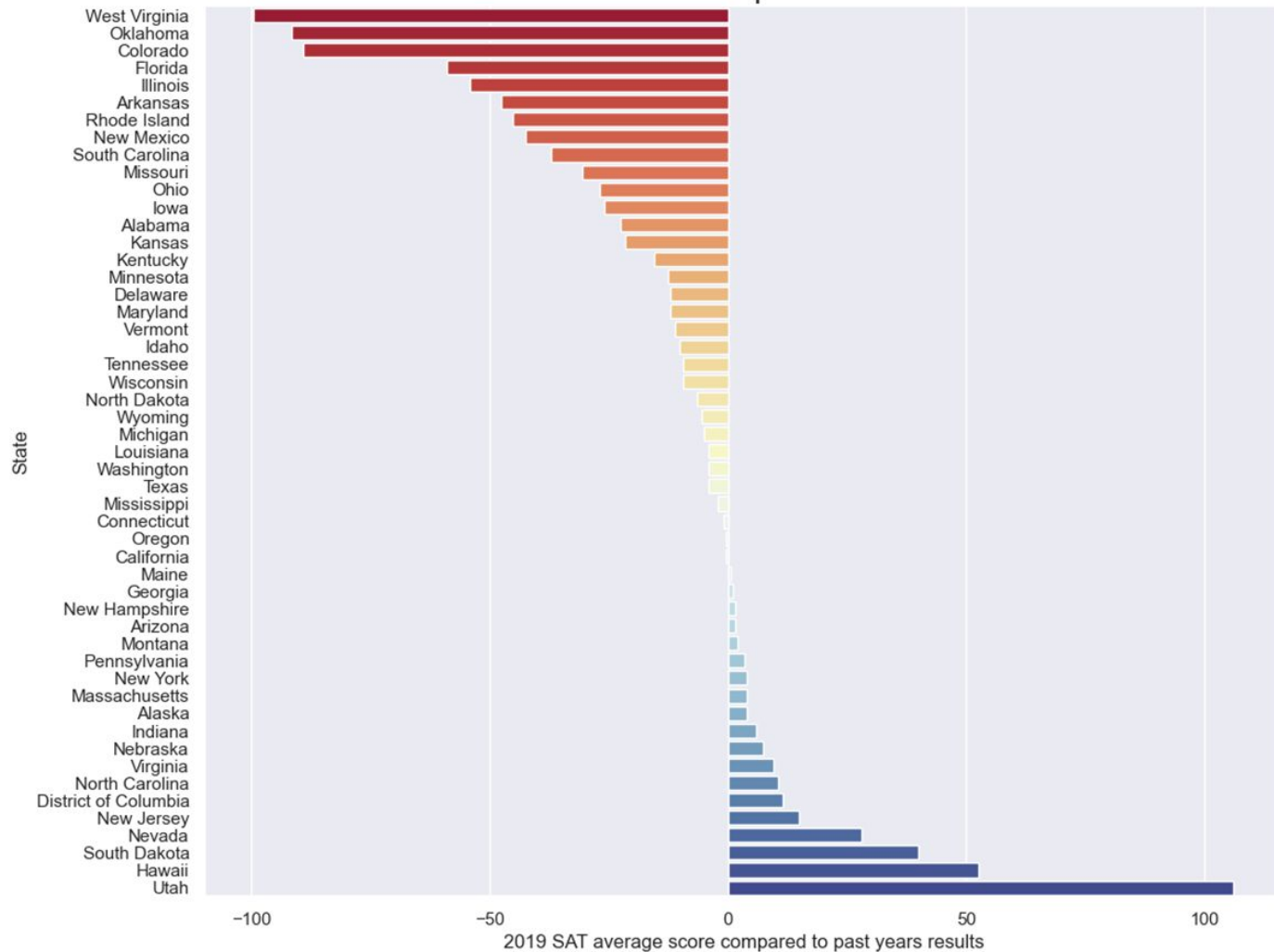
Average SAT score has decreased in the past 3 years



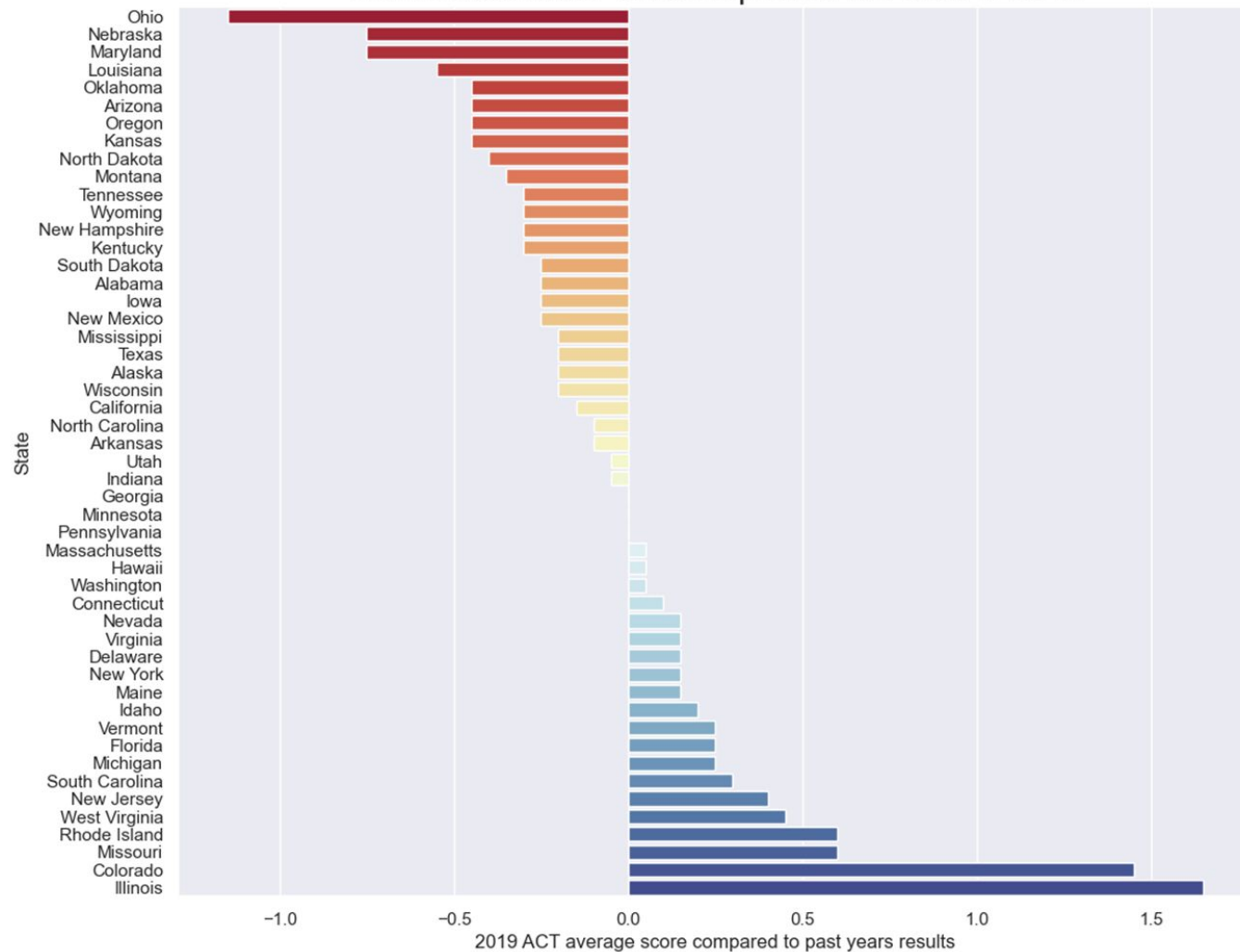
Average ACT Score has also decreased in the past 3 years



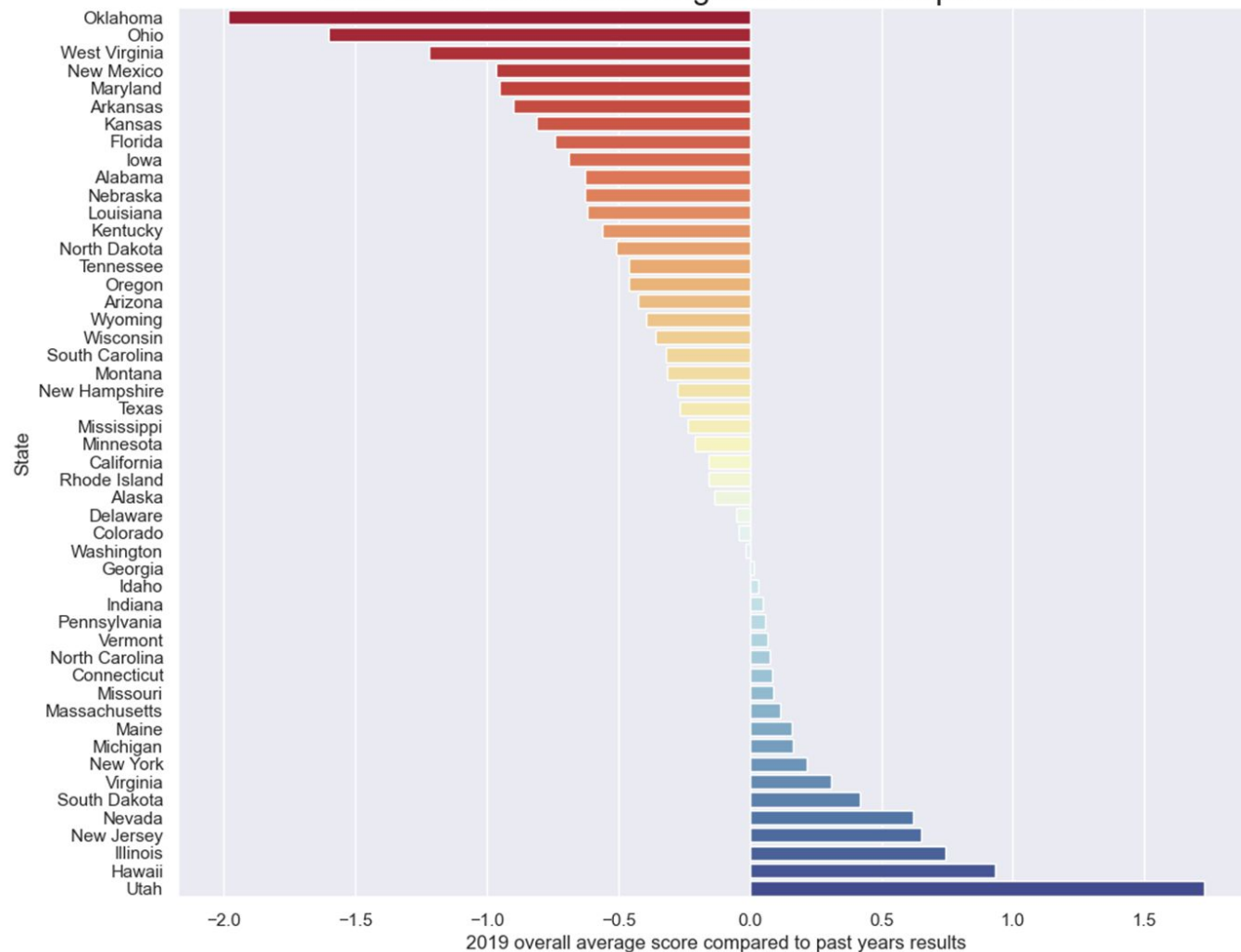
Utah state's SAT score improved the most in 2019



Illinois state's ACT score improved the most in 2019



Most of the states have negative combined performance



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

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