



Education Funding & SAT/ACT Scores

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Problem Statement: What Is Our Goal?

- What is the correlation between state spending per pupil and resulting SAT/ACT scores? Will higher spending correlate with higher scores on a state level?
- Design: Comparing SAT/ACT scores against their respective state education funding. Can we see any patterns? Any obvious trends?



Quick ACT/SAT Background

- Designed as an college admissions tool
- Higher scores correlate with increased admissions rate
- Some states tend to take one over the other



State Funding Summary

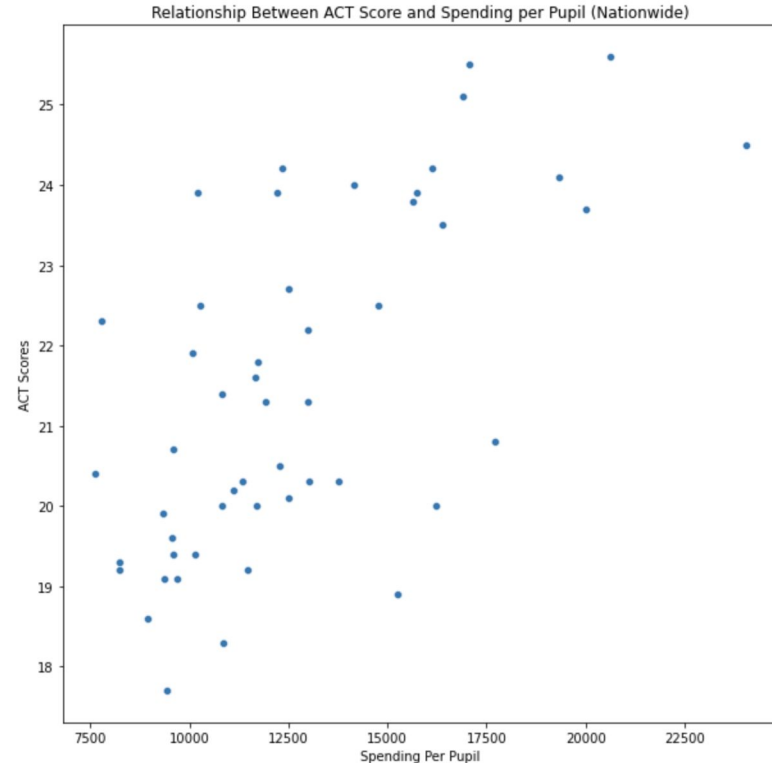
- Most recently financial numbers from 2018
- Nationally, the 2018 data indicates \$12,612 is spent on public education per student, up nearly \$1,000
- Spending trending upwards historically

Scatter Plots!

-Let's look at spending per state on x-axis
and our ACT scores by state on our y-axis

-Trending in upward direction, positively
correlated

-Not perfect, but displays pattern





Conclusions/Recommendations:

- Not perfect, but positive correlation between higher spending and higher scores
- States should invest in spending per pupil
- Aligns with current trend of increased spending over the year