

Executive Summary

We used 2019 Census Bureau data based on school finances specifically looking across New York state school districts. We looked at graduation rates and enrollment demographics which include: the types of diplomas earned, homelessness rates, dropout rates, gender, and racial demographics. We will predict district dropout rates based on revenues, expenditures, racial breakdowns, and gender makeup for each district. Based on our research, we will give school districts a path towards decreasing dropout rates.

Questions

1. Top 5 districts with highest/lowest female to male ratios?
2. Do districts with higher female to male ratios have higher graduation rates?
3. How do homelessness rates affect graduation rates?
4. Does the amount of pupil support expenditures school districts spend influence Advanced Regents diplomas acquired?
5. What is the racial distribution among all school districts?
6. Is there a correlation between property taxes and enrollment?
7. What are top 5 districts with the highest dropout rate?
8. What is the racial makeup of the top 5 districts with the highest dropout rate?
9. Does an increase in total staff wages increase the number of students graduating?
10. Can we predict school dropout rates based on financial allocations and demographic factors?
11. What is the correlation between the number of economically disadvantaged students and graduation rate?