Executive Summary

Our group project will use 2019 Census Bureau data based on school finances specifically looking across New York state school districts. We will look 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 between the top 2 enrollment districts and bottom 2 enrollment districts?
6. Is there a correlation between property taxes and enrollment?
7. What is the comparison of the district with the highest/lowest total funding against enrollment?
8. How does revenue per capita affect dropout rates?
9. Do staff improvement expenditures increase graduation rates?
10. Can we predict school district drop-out rates based on financial allocations and demographic factors?