Bubblechart of School District Tech-Engagement by Socioeconomic and Racial Demographics
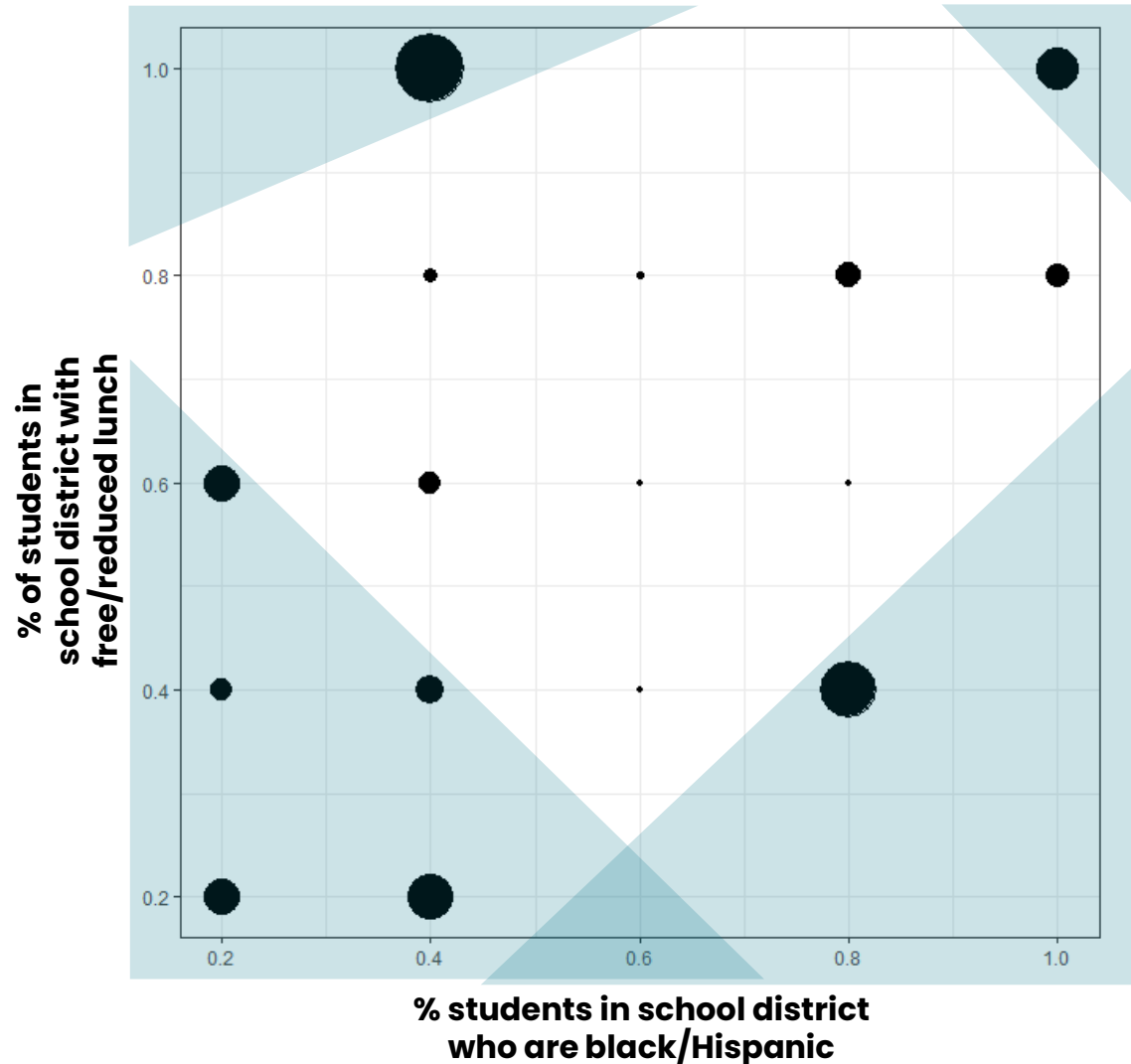
median tech engagement

- -0.5
- 0.0
- 0.5
- 1.0
- 1.5
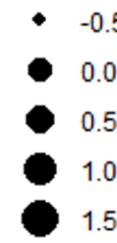
region of <u>low</u> engagement

This area refers to a group of bubbles on the chart that have relatively <u>lower</u> levels of tech engagement amongst a school district.

region of <u>high</u> engagement

This area refers to a group of bubbles on the chart that have relatively <u>higher</u> levels of tech engagement amongst a school district.

% of students in school district with free/reduced lunch

% students in school district who are black/Hispanic

BACKGROUND

The following data is a Kaggle dataset that provides school district information related to engagement with different technology platforms for digital learning during the COVID-19 Pandemic in 2020.

The x-axis corresponds the % black/Hispanic demographic in a school district, and the y-axis corresponds the % of students who receive free/reduced lunch in a school district. The size of the bubbles corresponds to the level of tech engagement – larger and bubbles indicate more engagement with online learning platforms like Google or LinkedIn Learning.

From the chart we see that more extreme levels of socioeconomic status and racial diversity (the corners of the bubblechart) tend to have relatively <u>higher levels of tech engagement</u> (0.5-1.5).

TAKEAWAYS

Takeaway	Conclusion
School districts that have less diversity have higher engagement with tech.	Private schools may have a higher population of non-black or non-Hispanic students and are better funded to have access to technology due to racial inequities in compensation.
School Districts that have lower rates of free/reduced lunch students have higher tech engagement.	School Districts that have wealthy backers and students from affluent neighborhoods may have a better budget for access to technology.

As race and poverty play a large role in school funding, it is important to make sure these communities have the access they need to digital learning platforms to ensure student success.