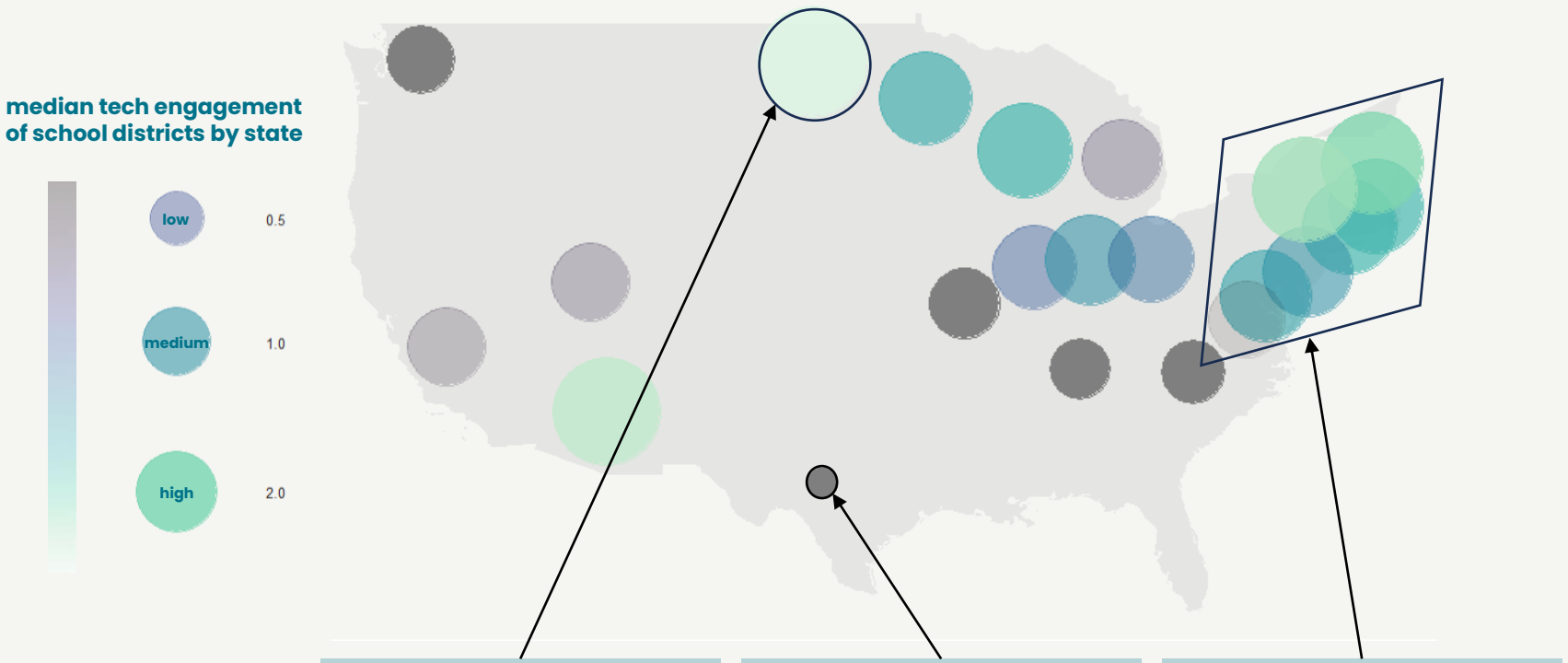
Student Engagement with Online Learning Platforms in 2020



TAKEAWAY #1

North Dakota has the highest reported median tech engagement rate across all school districts.

They reported a log_index rate of 3.4 which roughly translates to a 30 "total page-load events per one thousand students of a given product and on a given day"

TAKEAWAY #2

Texas has the lowest reported median tech engagement rate across all school districts.

They reported a log_index rate of -1.0 which roughly translates to a 0.4 "total page-load events per one thousand students of a given product and on a given day"

TAKEAWAY #3

The Northeastern Region of the United States has relatively higher rates of engagement with online learning platforms in comparison with the West Coast and Midwest Region of the US.

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 map shows the United States, and each bubble corresponds with the median rate of school district's student engagement with online learning platforms for each state. More specifically, the number of page-loads for a specific learning platform per 1000 students in 1 day. 2.0 and above would be considered relatively high.

Overall, we can see which states have higher engagement with online learning platforms than others. It leads us to ask, "why may certain regions have more engagement? Is it because they have a higher need for online learning, or because they have better access to resources?"

Source: https://www.kaggle.com/competitions/learnplatform-covid19-impact-on-digital-learning/data