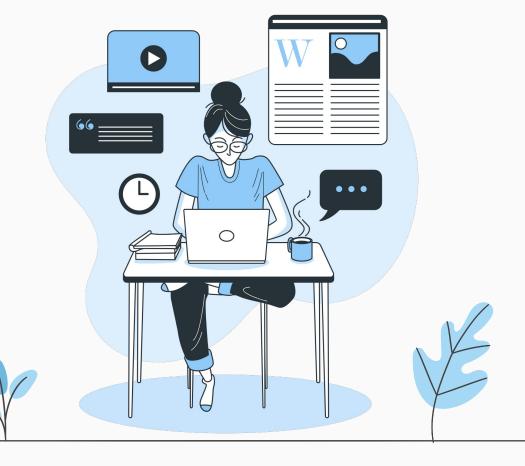
The Viability of Remote Learning, as told by Covid-19 in Texas

W201 Fall 2020 Section Aline Jaimes, Heather Pieszala, Laurie Cuffney, Natali Ojeda Meneses, Rakesh Walisheter, Yu Bai

Prepared for: The Texas Education Agency







Is remote learning a viable option for high school students?



How do different demographics perform with remote learning?



Does hybrid learning make more of an impact?



WHAT DO WE NEED TO ANSWER THE QUESTIONS?

DATA

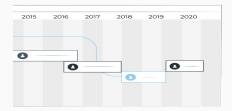
Individual schools, each grade offered



COVID regional level data



5 years of data and current calendar year



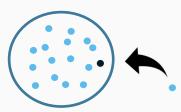
No cost in exchange for analysis results







Missing Data will not be replaced





WHAT DO WE NEED TO ANSWER THE QUESTIONS?

VARIABLES



INTERVENTION



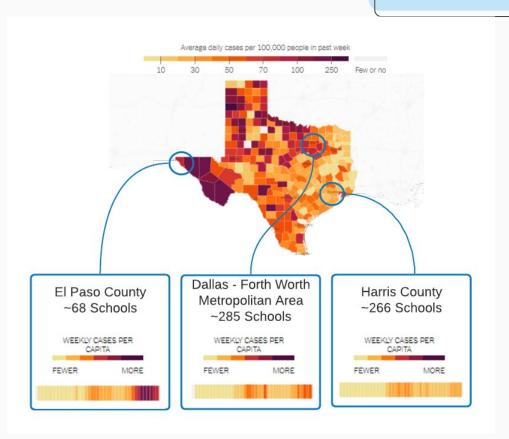
Remote learning

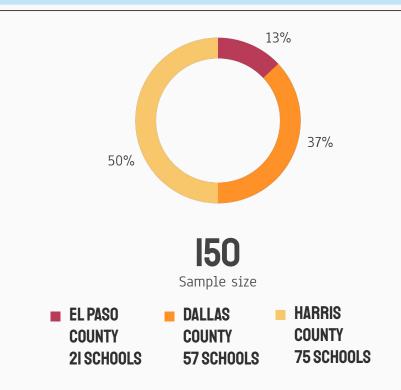


Hybrid learning

SCHOOL LEVEL	• School name, calendar year, grading period, school classification (Public, Private, Charter), total enrollment, demographics (Age, Gender, Race, Household income), etc.
CLASS LEVEL	 # students failing 1+ courses by class/year per quarter broken down by demographics # courses a student is failing by class/year per quarter Etc.
COVID REGIONAL LEVEL	• # COVID cases, # COVID deaths, ICU headroom used, etc.

SAMPLING AT VARIOUS LEVELS OF COVID IMPACT

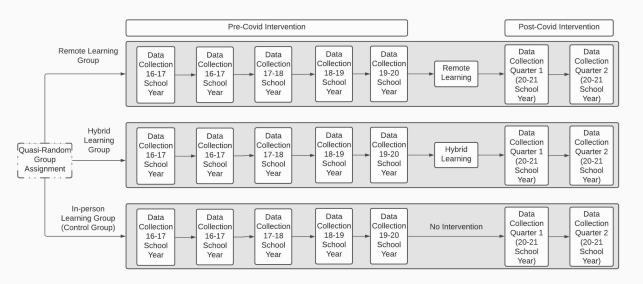






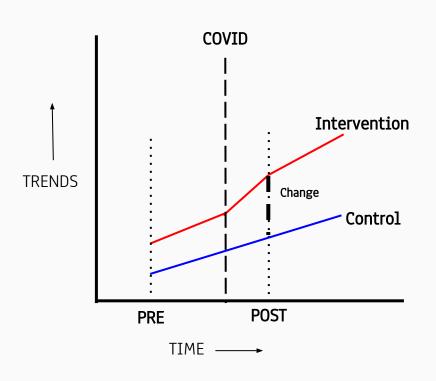
WHAT WILL WE DO WITH THE DATA?





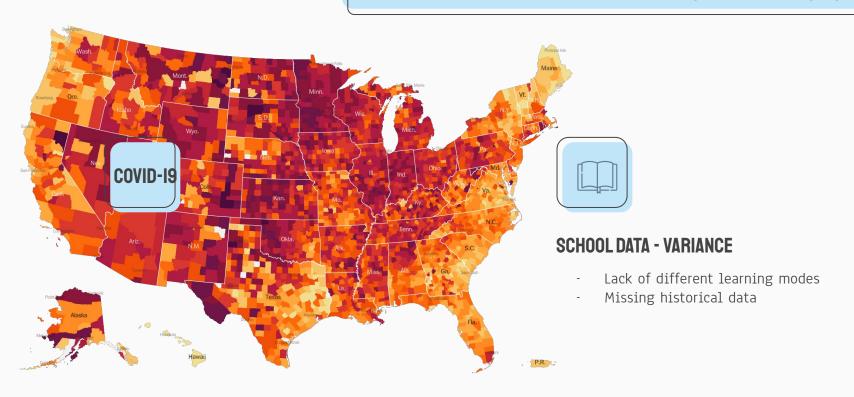


GET THE DATA TO SPEAK FOR US



- Longitudinal Time-Series Study
- Analyse trends in Control Group and Intervention Group.
- Difference in Differences
 Technique Highlights change and evolution in trends.

POTENTIAL RISKS



SCHEDULE

DECEMBER 2020 - JANUARY 2021

Phase one Experiment

FEBRUARY 2021 - MARCH 2021

Phase two Experiment

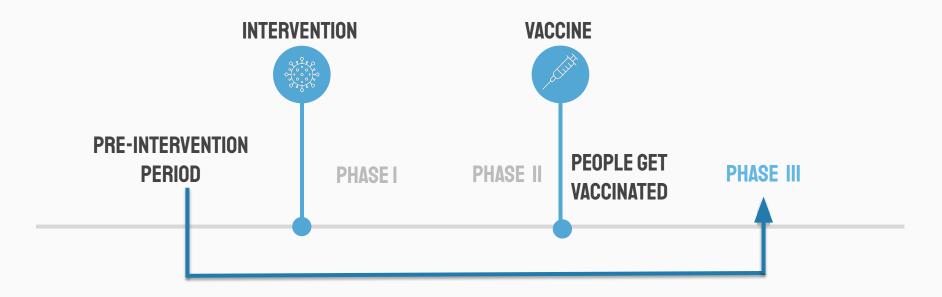
FINAL DELIVERABLE

ONE SCHOOL YEAR AFTER COVID-19

EXPANSION ON THE STUDY...

HOW CAN WE EXPAND ON THE STUDY?

Phase III: To reduce the noise and bias that pandemic could introduce to conclusions about student's performance with different instruction methods.



THANK YOU FOR LISTENING

Does anyone have any questions?

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