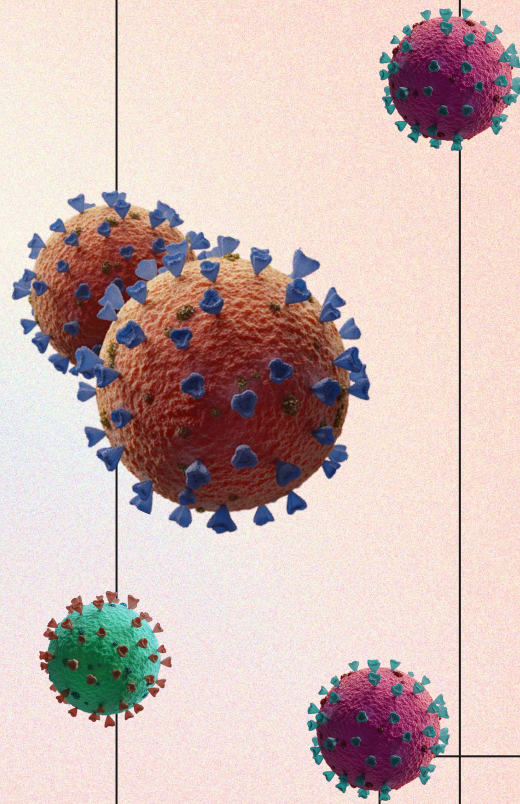




COVID 19: A U.S. Analysis

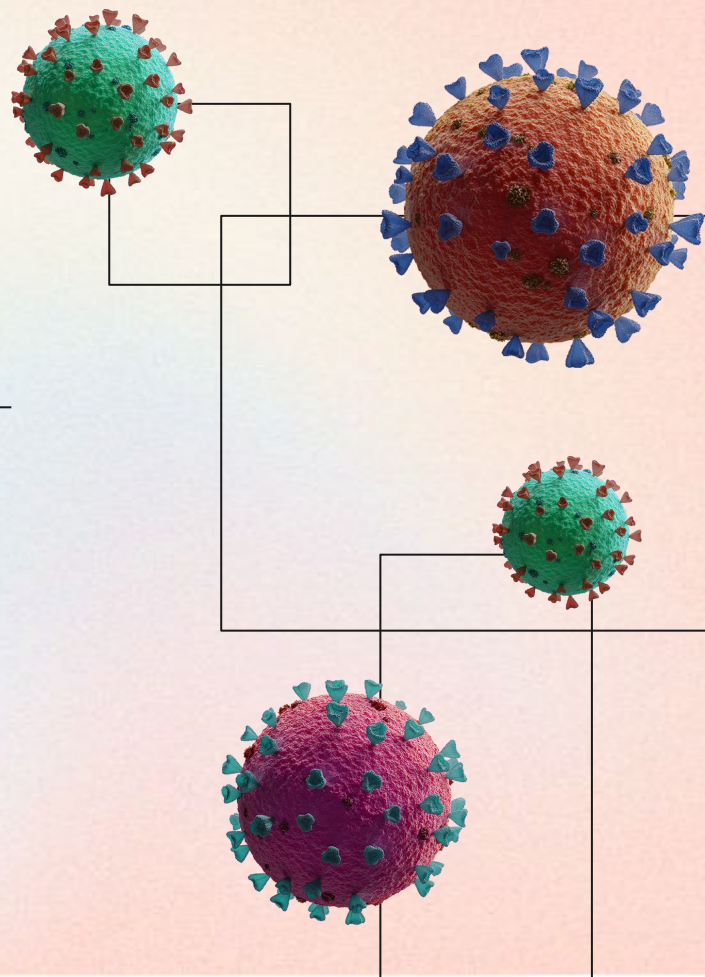
Seth Gard, Leah LoSchiavo, Morgan Tudor



01

BASIC TIMELINE

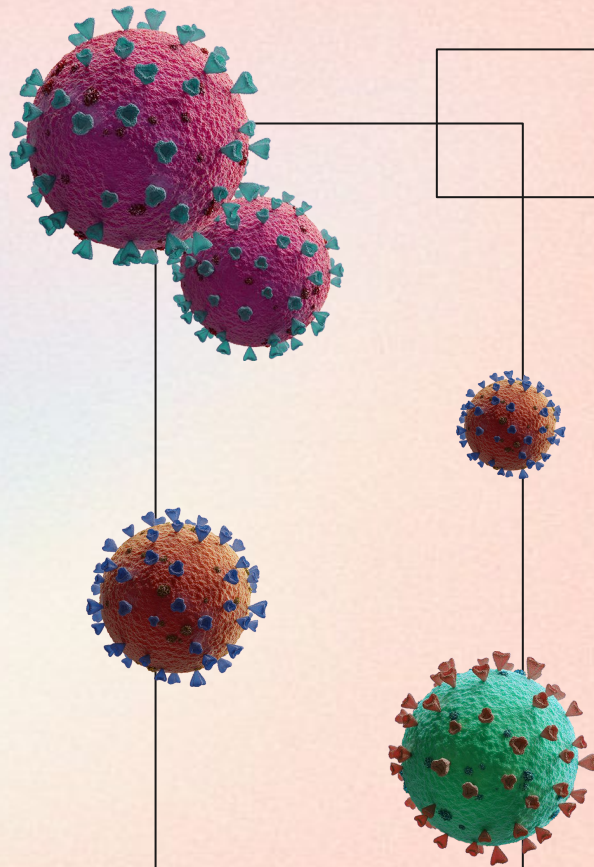
A walk down memory lane...



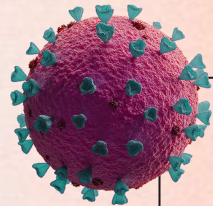


January 20th, 2020

The CDC reports the first laboratory-confirmed case of the 2019 Novel Coronavirus in the U.S. from samples taken on January 18th in Washington state.



CASE TIMELINE - 2020



February 8th



First CDC testing kits arrive in NYC - produce "untrustworthy results"

March 11th



After more than 118,000 cases, the WHO declared COVID-19 a pandemic

March 13th

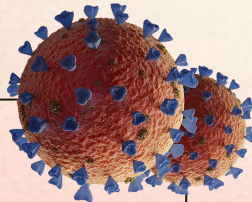


U.S. declares a nationwide emergency and issues a travel ban

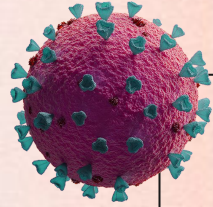
March 15th



States begin implementing shutdowns



CASE TIMELINE - 2020



March 17th



Moderna starts the first human trials for a vaccination to treat COVID-19

March 27th



CARES act is signed into law granting \$1,200 per adult as well as various business benefits

April 3rd

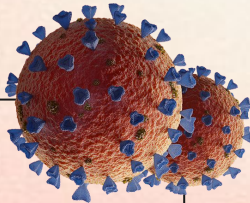


Mask wearing guidelines announced

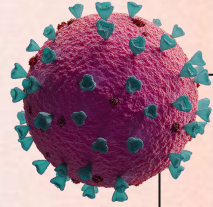
May 28th



U.S. death toll surpasses 100,000



CASE TIMELINE - 2020



June 10



U.S. death toll
surpasses 2 million

August 28



First documented
case of COVID
reinfection occurs in
the U.S.

September 28

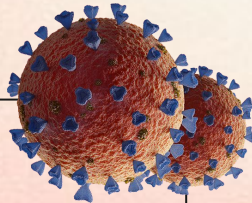


Global death toll
surpasses 1 million
worldwide in only 10
months

December 14



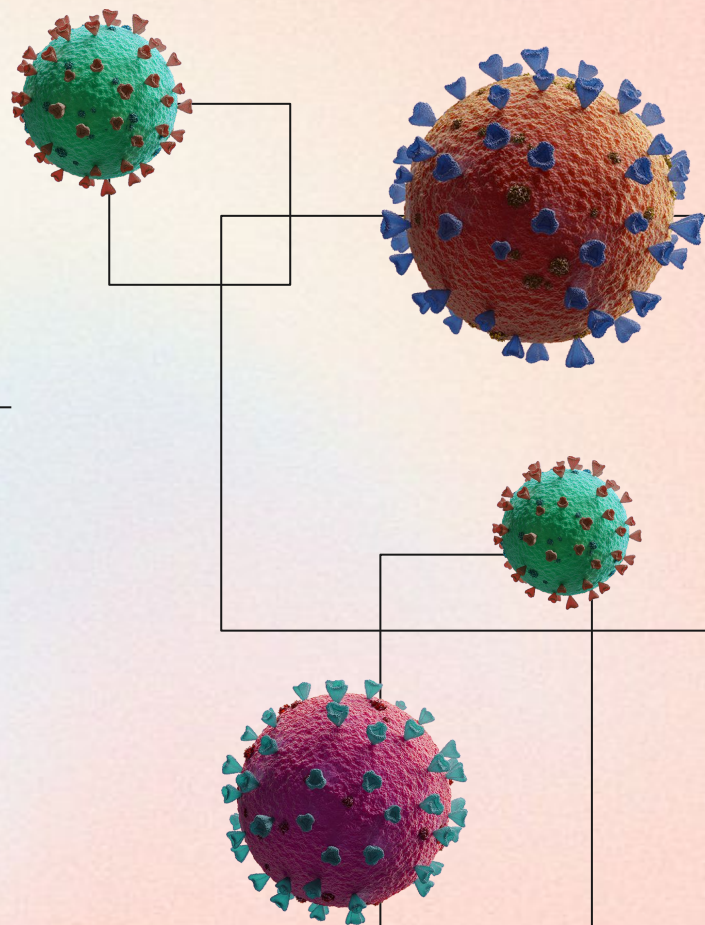
A nurse in New York
becomes the first
American outside of
clinical trials to
receive a vaccination



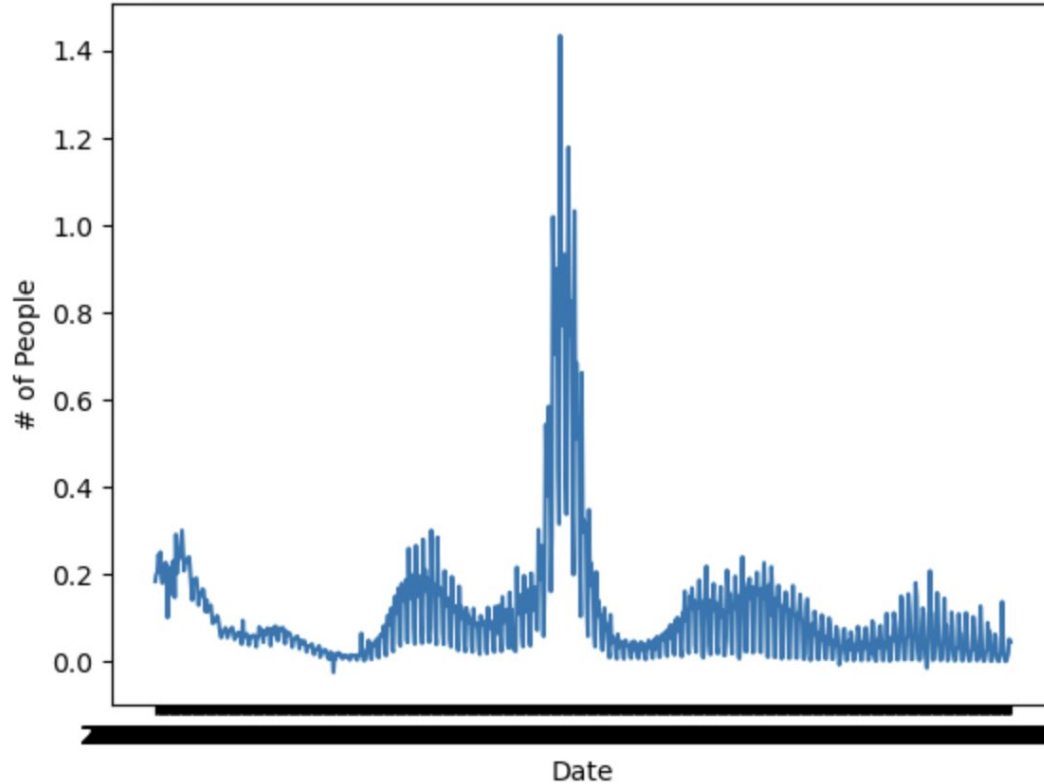
02

Visual Graphs

Looking at the trends, peaks and correlation
of the virus, the vaccinated and how they go
together

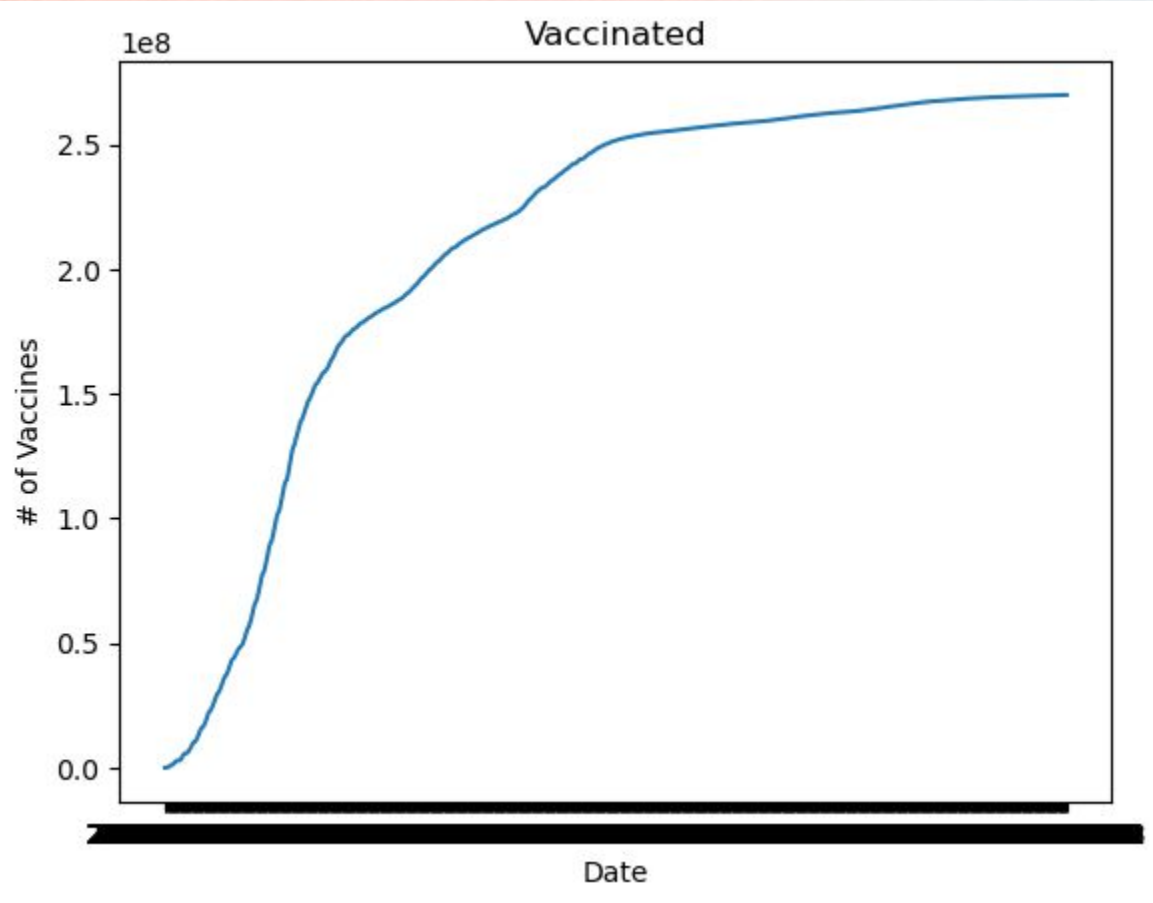


Cases



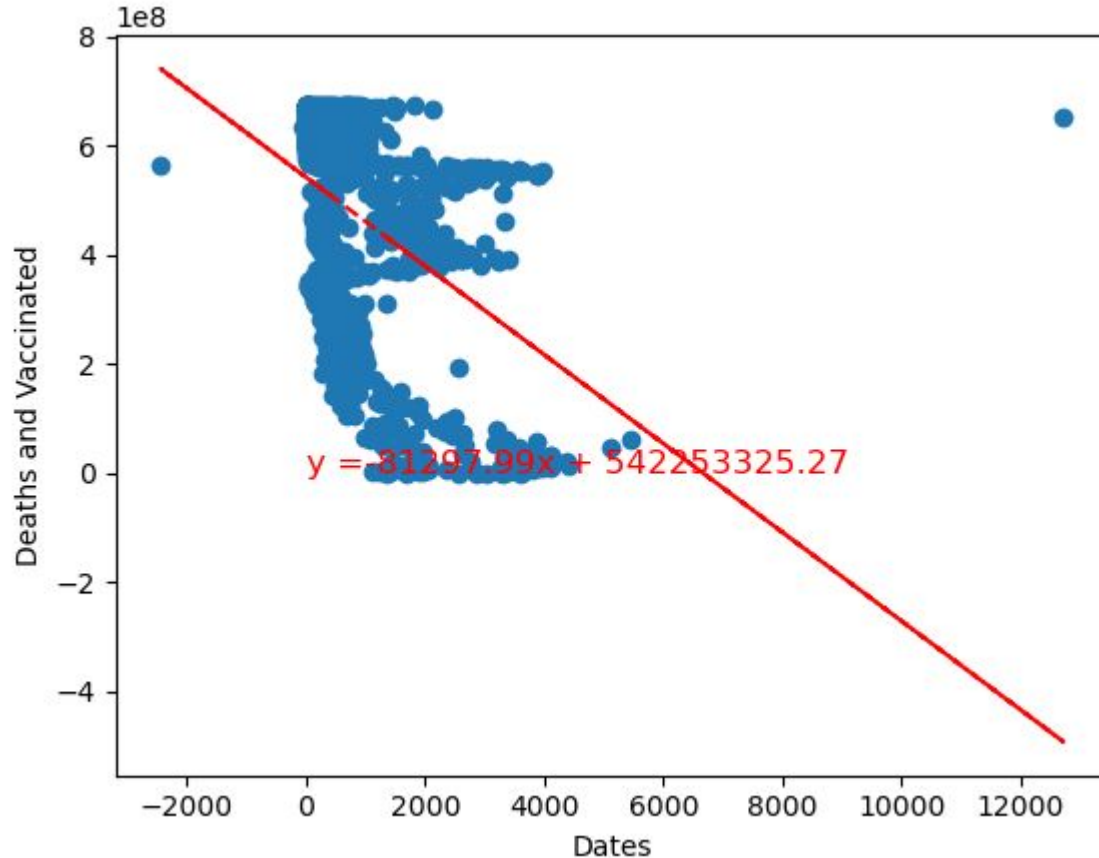
- Cases peaked at the mid 2021. With exponential crash
- This would had been during the time that most people got their second shot.
- Covid had 2 small flare ups across the US afterwards
- Immunity has now spread across the US and Covid cases will continue to trend downwards

Vaccination



- Vaccinations begin in the winter of 2021
- Vaccinations were given exponentially in 2021
- The beginning of boosters showed a plateau in the vaccination which would have been during the start of 2022
- This will continue trending as cases become more and more non-existent

Deaths and Vaccination

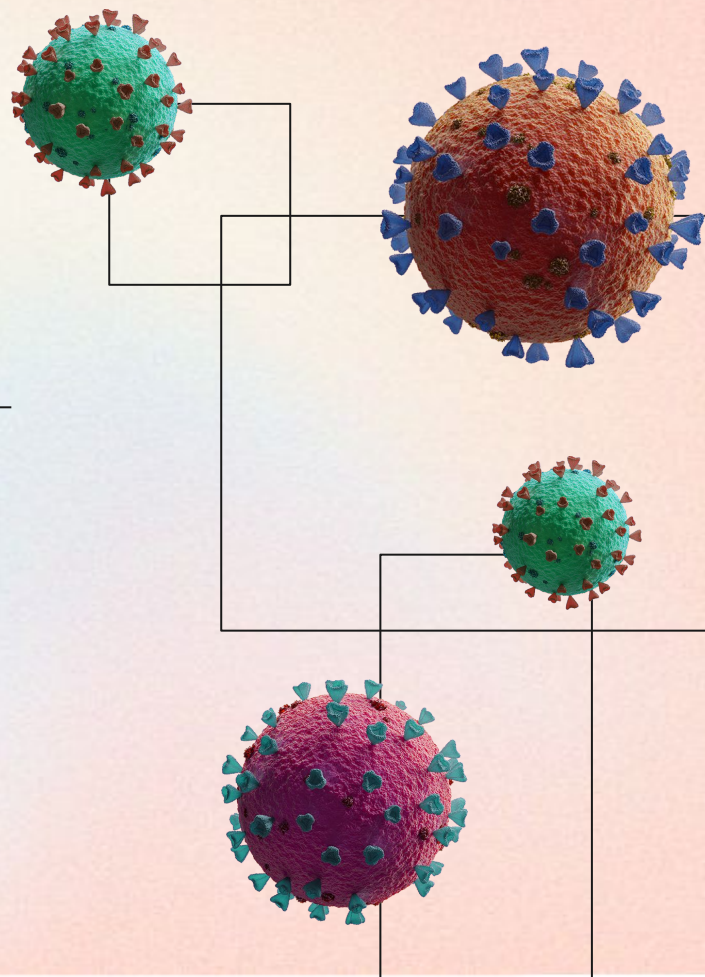


- The r-value -0.45
- Negative Moderate Correlation
- Meaning the Vaccine had some impact on lowering the amount of covid deaths

03

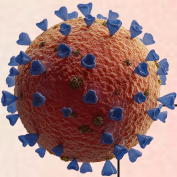
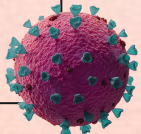
State Comparisons

Looking at today's data to see how states
compared in cases and deaths overall
relative to their populations



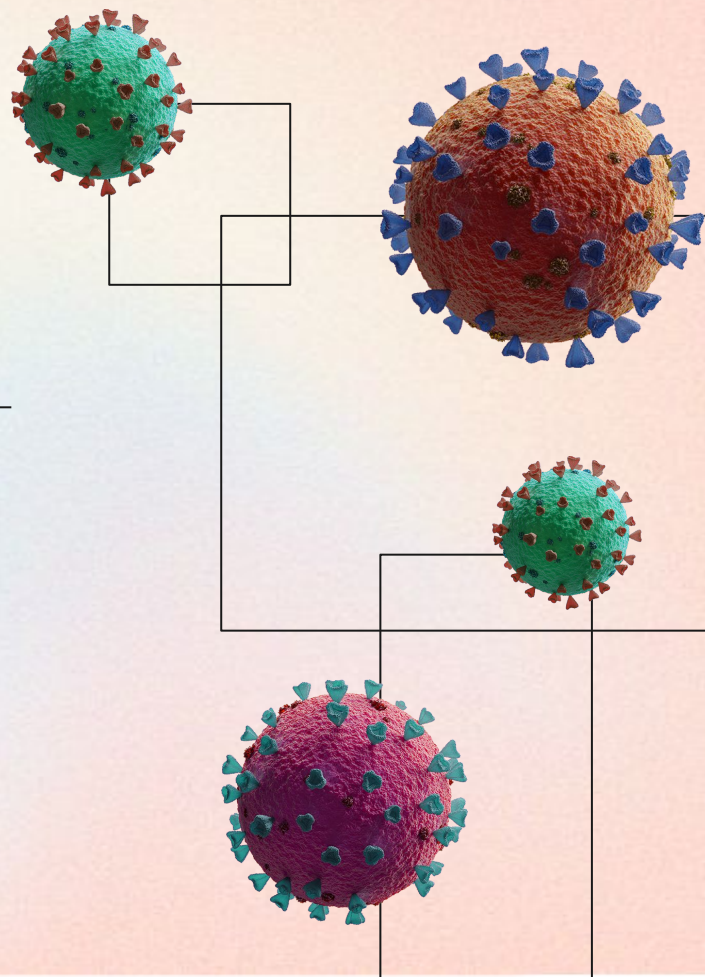
STATE COMPARISON FINDINGS

	CASES	CASE %	DEATHS	DEATH %
HIGH	California: 12,251,820	Rhode Island: 41.67%	California: 101,886	Arizona: 0.46%
LOW	Northern Mariana Islands: 13,886	Maryland: 22.82%	Northern Mariana Islands: 44	Northern Mariana Islands: 0.08%
AVG	1,973,184.21	31.55%	21,379.94	0.33%
OHIO	3,441,458	29.44%	42,207	0.361%



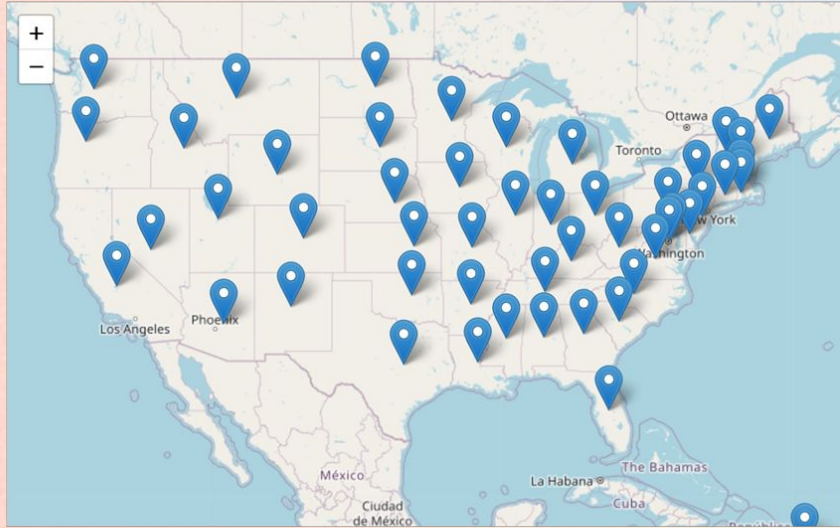
04

COVID & POLITICAL AFFILIATION



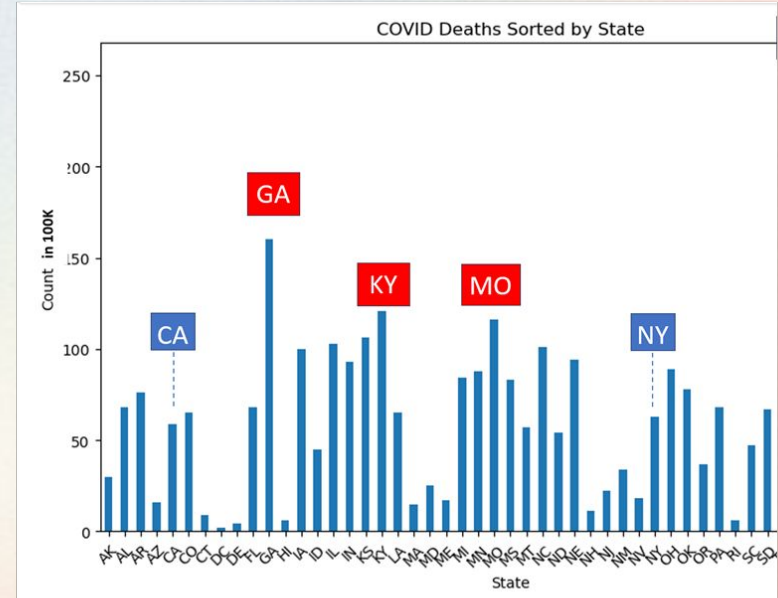
Politics in Vaccination and Death Rates

Political Party by State



http://localhost:8890/view/political_map.html

COVID Deaths by State

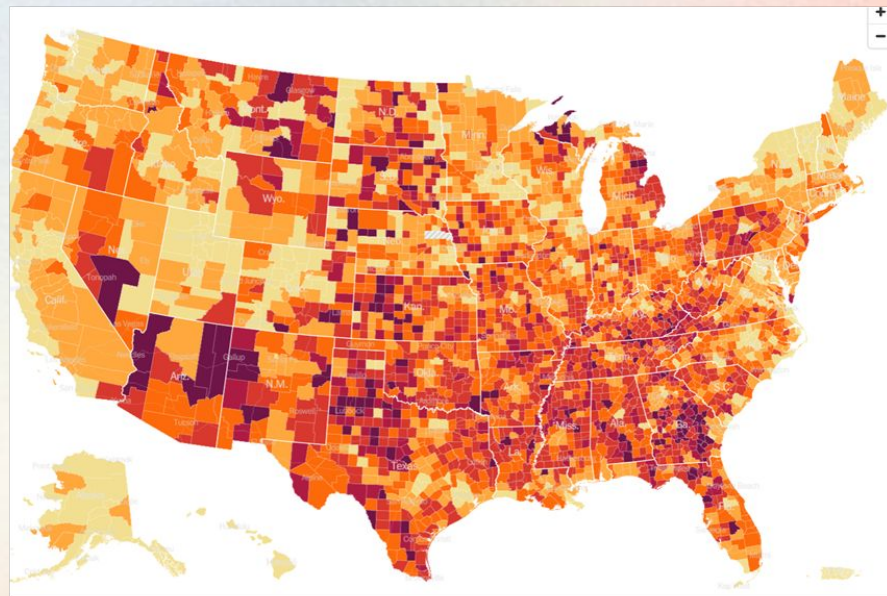


Politics in Vaccination and Death Rates

Political Party by State



COVID Deaths by State



What's so different in Athens County, Ohio?

In a sea of red, an isle of blue,
or green, or yellow...

