





# Road Tripping Across the United States

**Group 6:** Sally Mei, Debolina Bhaumik, Cole Barnes, Kanu Madhok



# Topic Overview

- Summer vacation time is here, but covid is still around. Trying to plan a road trip across the United States while keeping everyone's health in mind can be tricky. Using the Covid-19 Dashboard, users can easily identify which areas to avoid.
- Covid-19 data: cases, deaths, and vaccinations in the US and global counts of cases & deaths
  - <https://covid.cdc.gov/covid-data-tracker/#datatracker-home>
  - <https://covid19.who.int/>



# Data Cleaning/Manipulation & Conversion

- Pandas
  - Selected specific columns
  - Dropped/ excluded Territory data

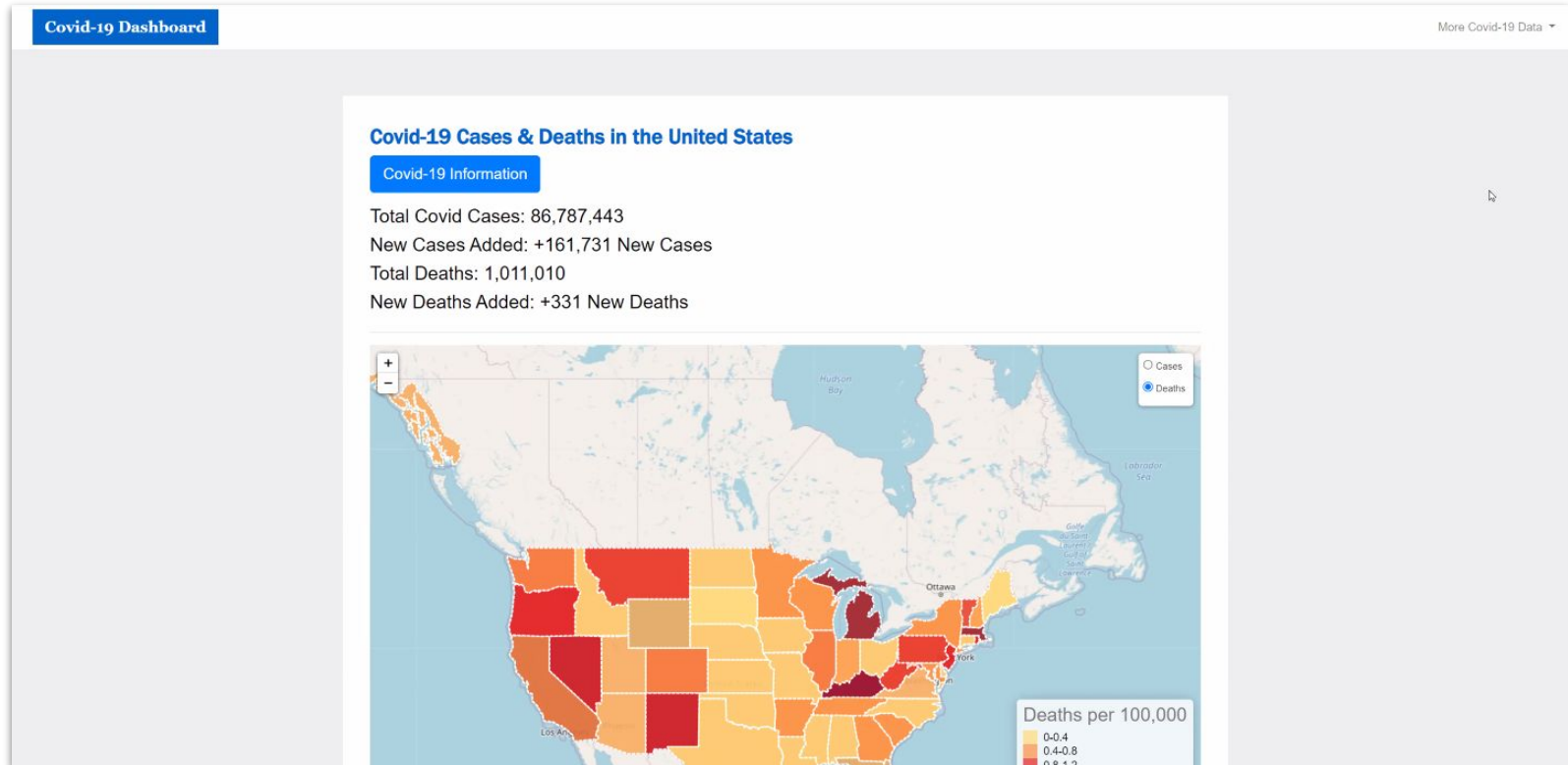
**cleaned\_covid\_case dataframe:**

State/Territory	Total Cases	Cases in Last 7 Days	Case Rate per 100000	Total Deaths	Deaths in Last 7 Days	Death Rate per 100000	7-Day Cases Rate per 100000	7-Day Death Rate per 100000	New Cases	New Deaths	latitude	longitude
-----------------	-------------	----------------------	----------------------	--------------	-----------------------	-----------------------	-----------------------------	-----------------------------	-----------	------------	----------	-----------

**cleaned\_covid\_vaccine dataframe:**

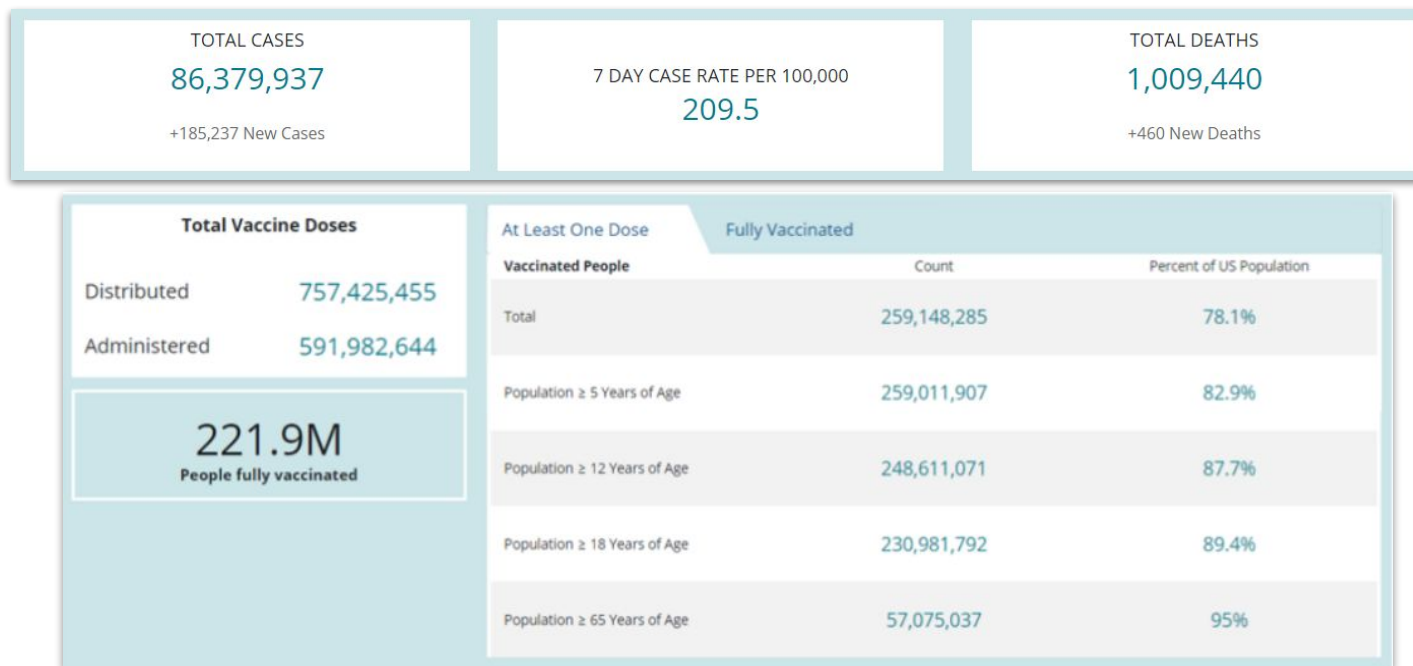
State/Territory	Total Doses Distributed	Doses Distributed per 100K	Total Doses Administered by State where Administered	Doses Administered per 100k by State where Administered	People Fully Vaccinated by State of Residence	latitude	longitude
-----------------	-------------------------	----------------------------	--	---	---	----------	-----------

# Webpage Development



# Web Scrapping

- MongoDB and Flask
- Dashboard data web scraped from CDC site



# Leaflet

- Choropleth leaflet

## Covid-19 Cases & Deaths in the United States

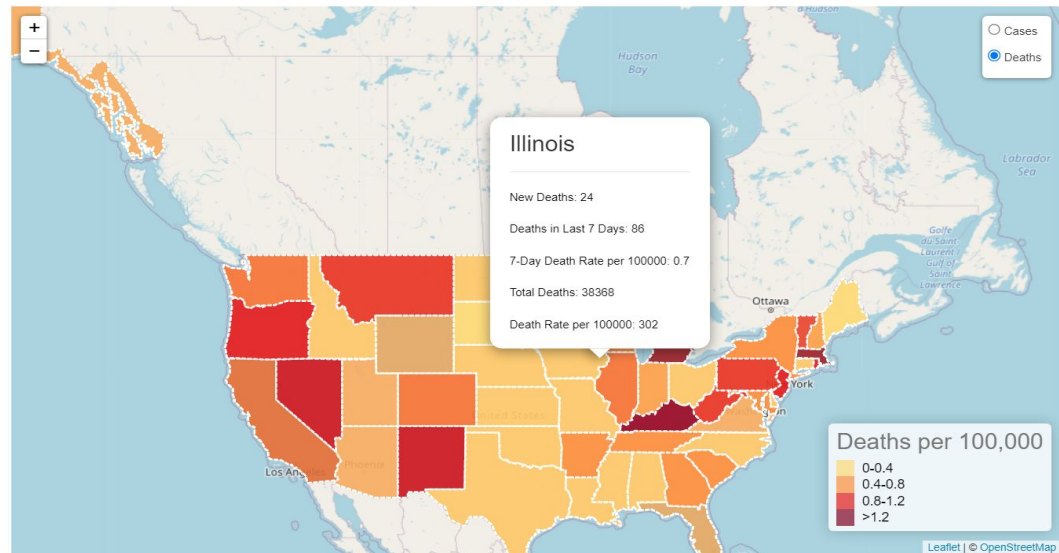
### Covid-19 Information

Total Covid Cases: 86,787,443

New Cases Added: +161,731 New Cases

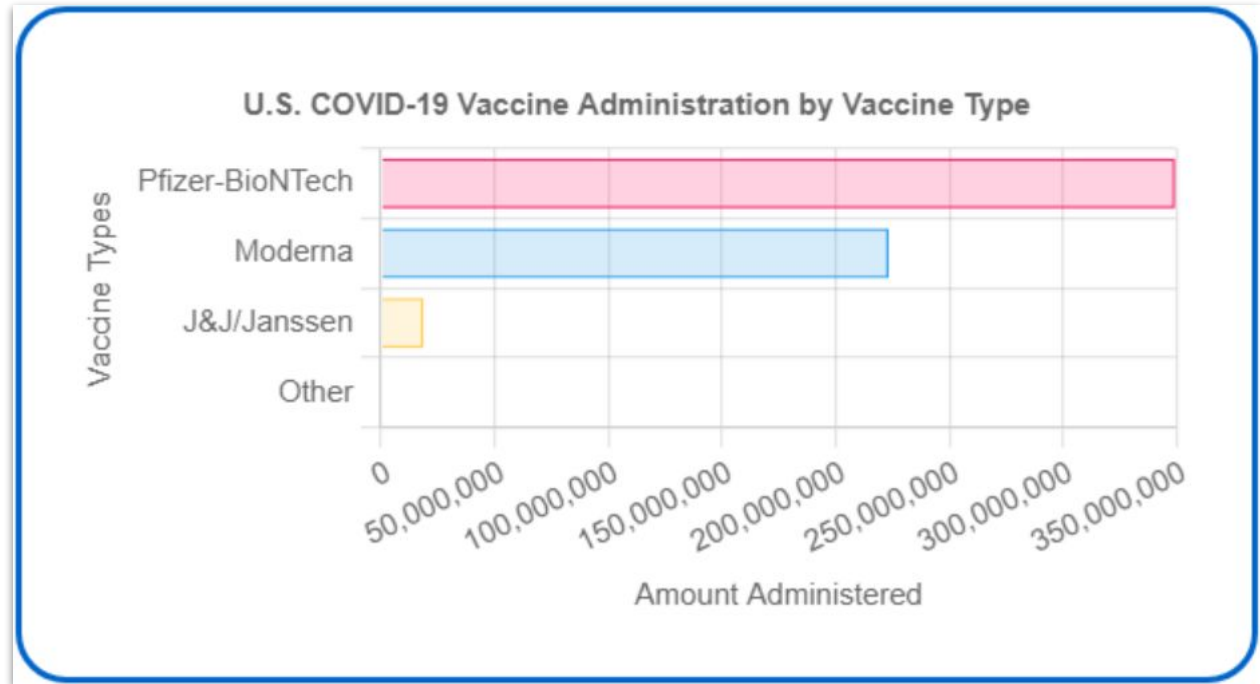
Total Deaths: 1,011,010

New Deaths Added: +331 New Deaths



# Bar Chart Creation

- Chart.js



# Conclusion

- Displays Covid-19 information for the last 7 days in the United States
  - Case, death, vaccine information per state found on map
    - Result: safe & enjoyable road trip





# Questions?

