





Road Tripping Across the United States

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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



Data Cleaning/Manipulation & Conversion

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

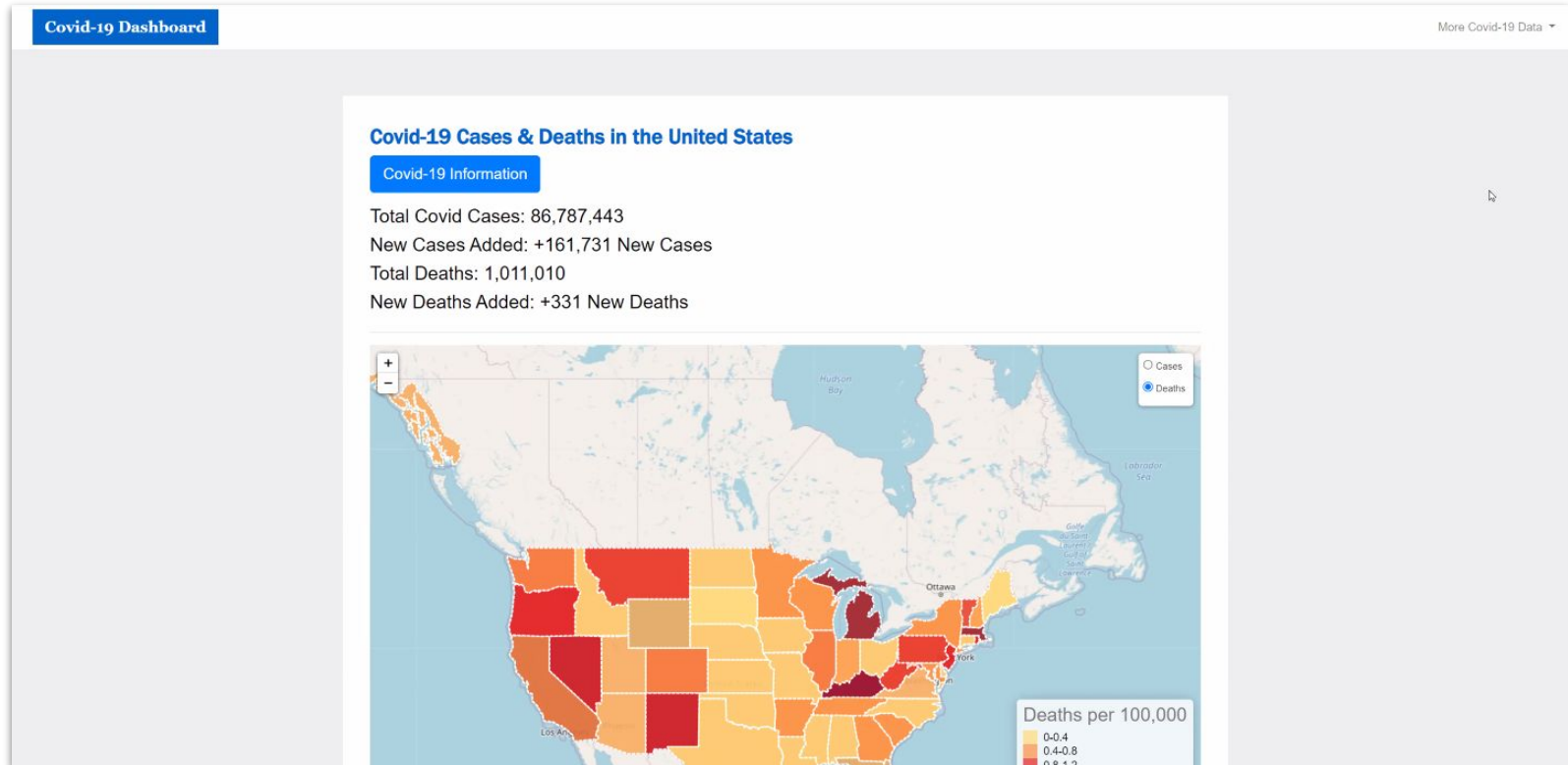
cleaned_covid_case dataframe:

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
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cleaned_covid_vaccine dataframe:

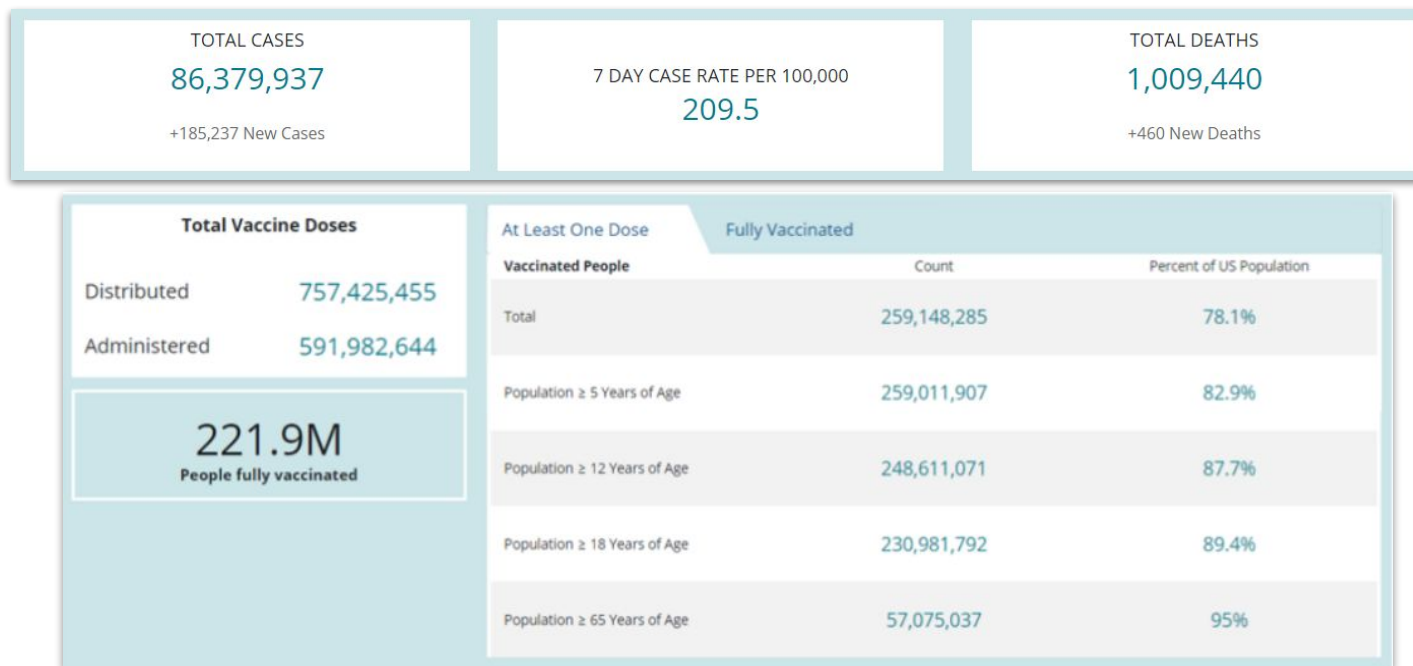
State/Territory	Total Doses Distributed	Doses Distributed per 100K	Total Doses Administered by State where Administered	Doses Administered per 100k by State where Administered	People Fully Vaccinated by State of Residence	latitude	longitude
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Webpage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



Web Scrapping

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



Leaflet

- Choropleth leaflet

Covid-19 Cases & Deaths in the United States

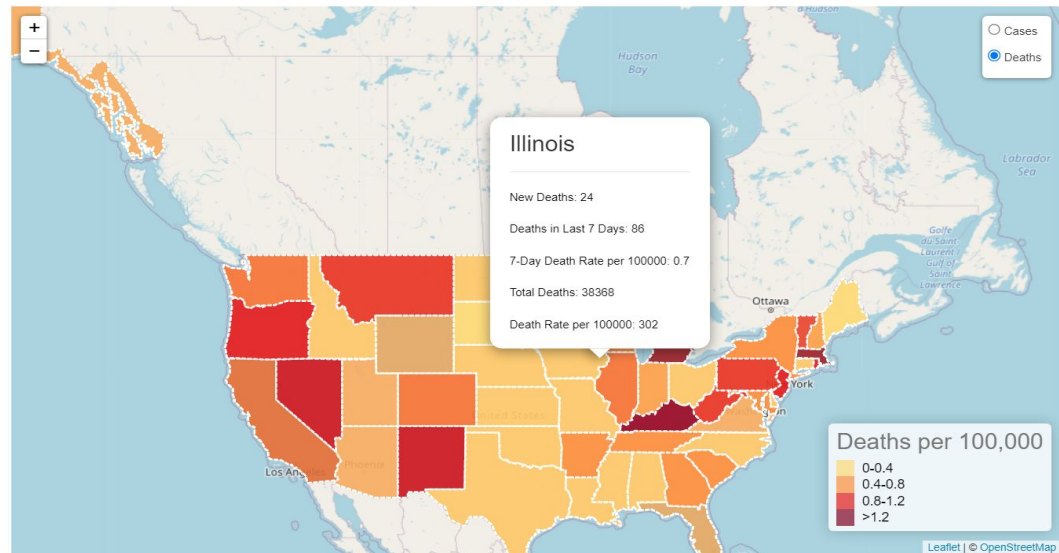
Covid-19 Information

Total Covid Cases: 86,787,443

New Cases Added: +161,731 New Cases

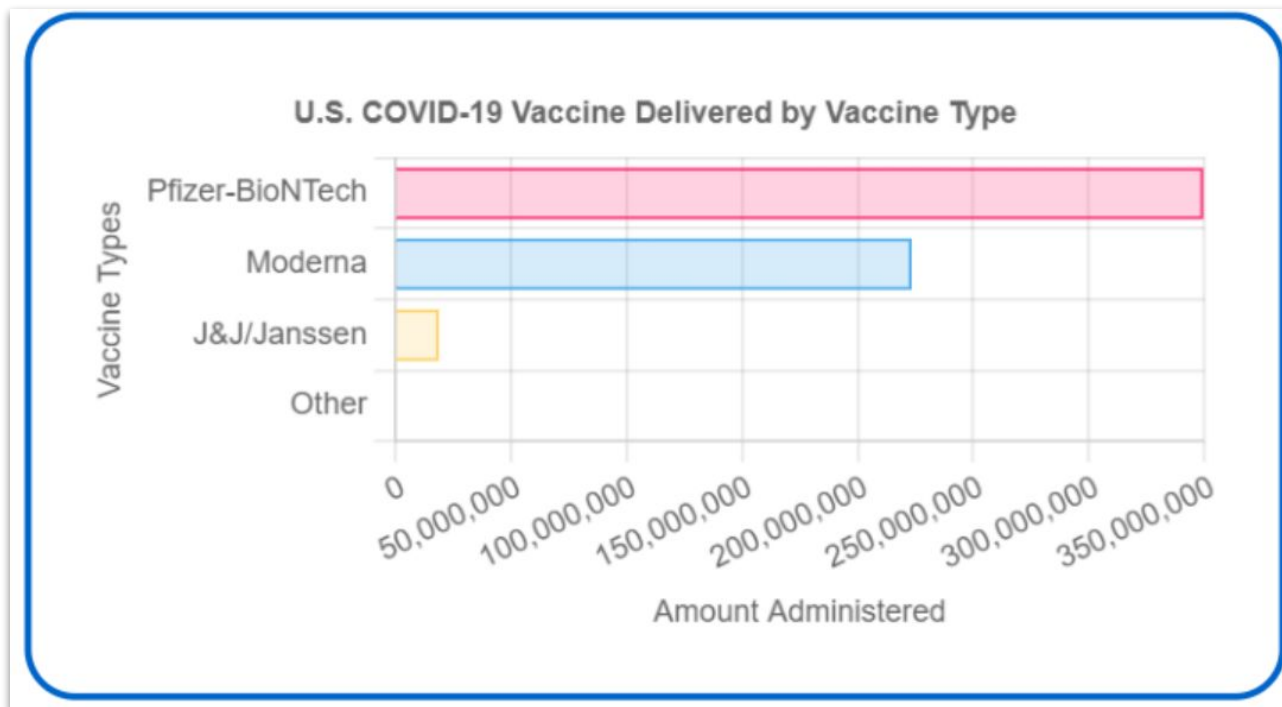
Total Deaths: 1,011,010

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?

