



Mapping Covid-19 Hotspots

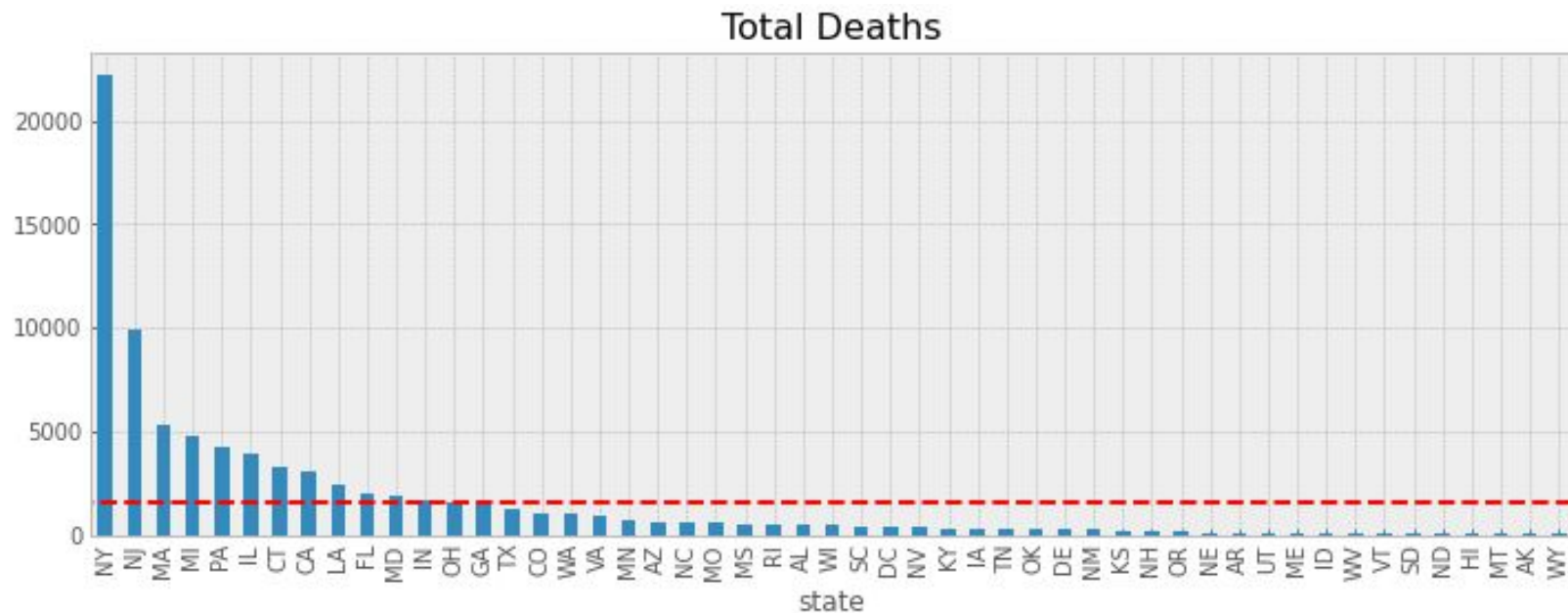
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15 May 2020



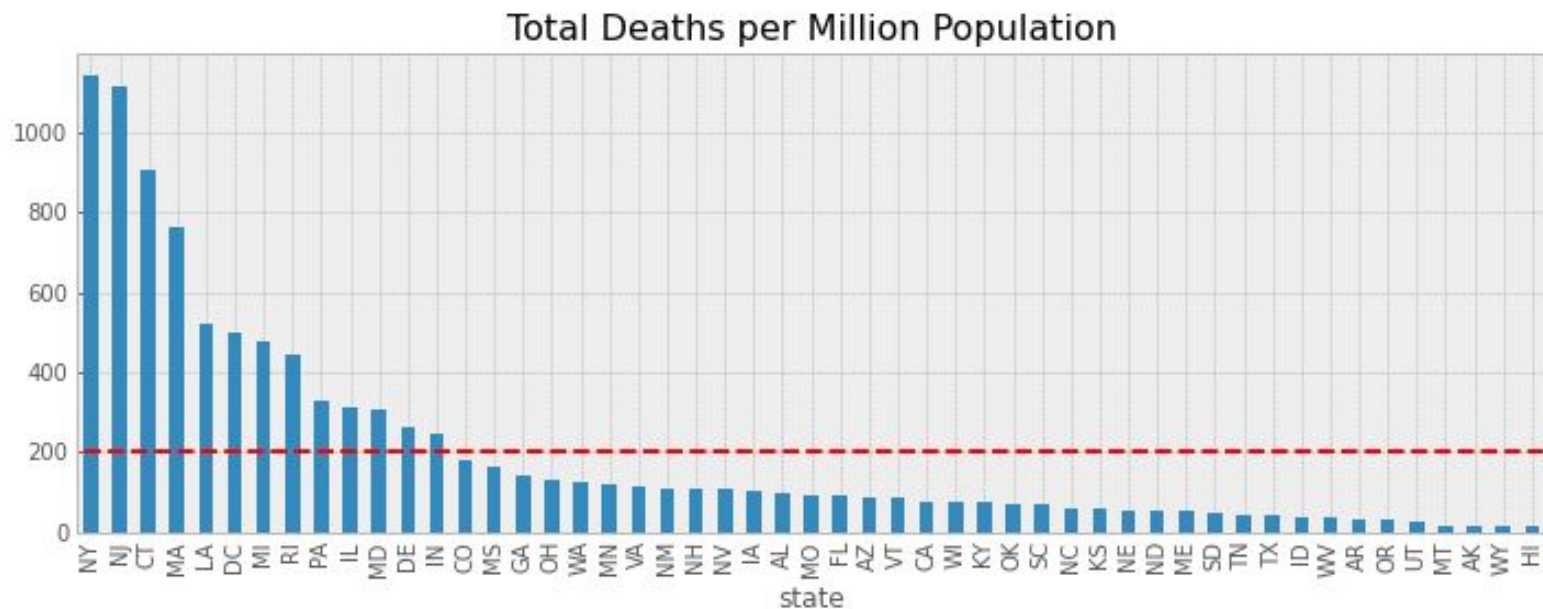
Locating and Mapping Covid-19 Hotspots

- During the Covid-19 pandemic there were signs that outbreaks would be imminent in certain areas
- Westchester County, NY was an initial point of infection and probably the launch point for the disease's invasion of NYC and its environs
- Locating areas adjacent to outbreaks with high population density is essential to containment
- We have built a dashboard that can help decision-makers assess the situation based on population density and a modified metric called "lived density"

Total Deaths

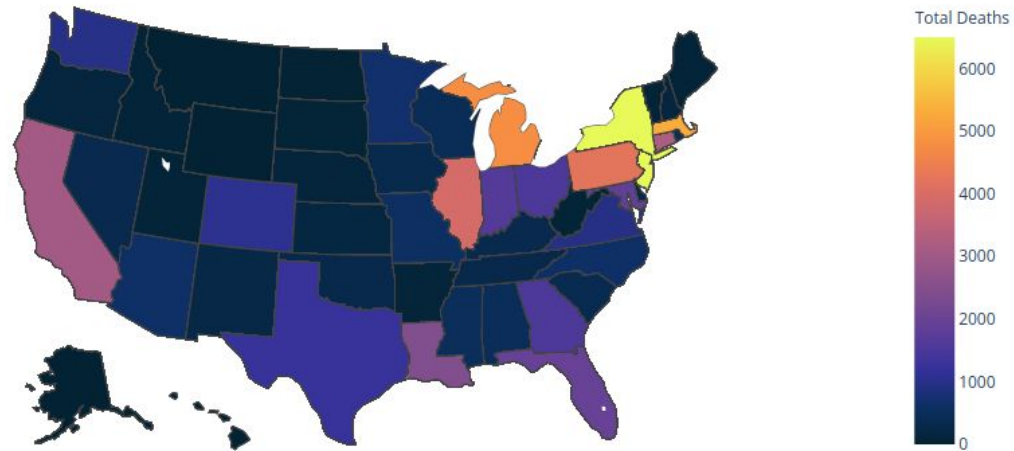


Total Deaths per Million



The Death Toll: Total Deaths by State

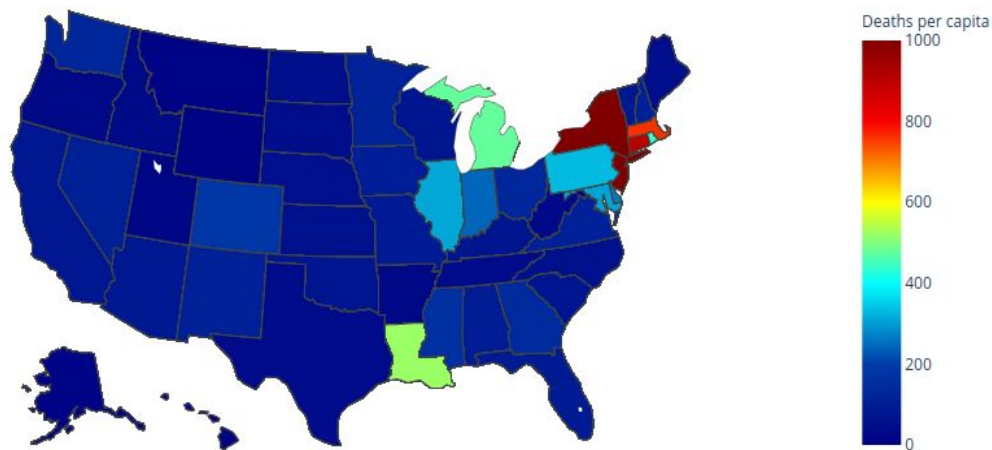
Total Covid-19 Deaths by State



Note: Scale is adjusted; NY = 22k and NJ = 9k

The Death Toll: Total Deaths by per Million

Covid-19 Deaths per million



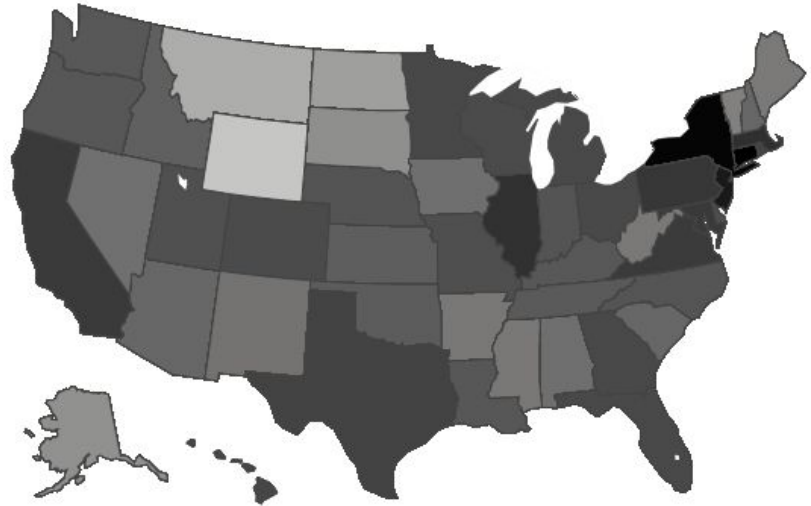
Note: Scale is adjusted to fit NY and NJ, which are just above 1,000.

Standard vs. Lived Density

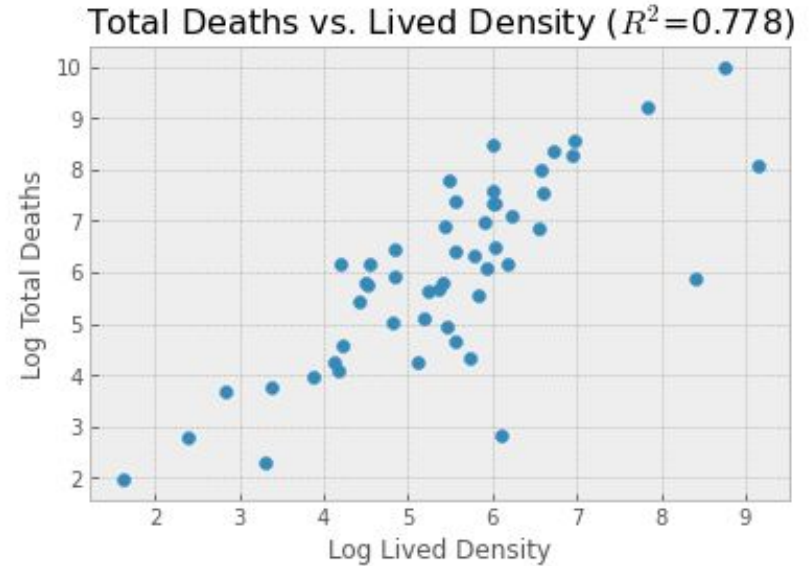
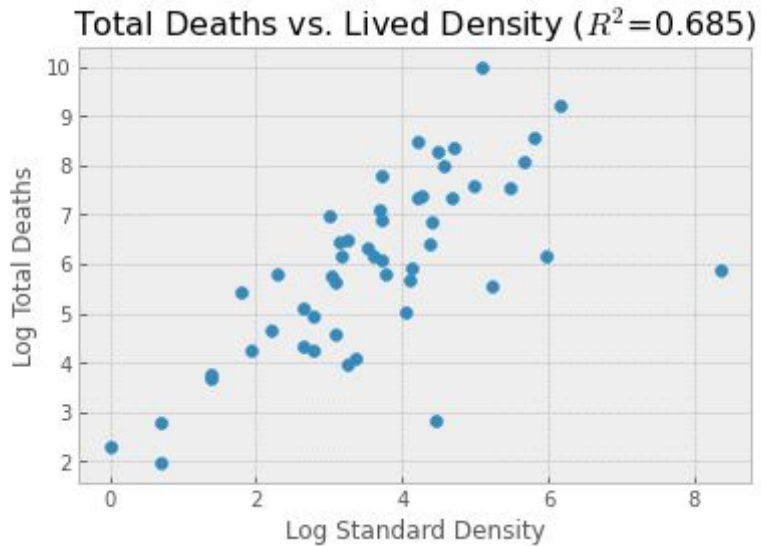
Standard Density by State



Lived Density by State



Total Deaths vs. Standard and Lived Density





Future Directions

- Demographics/age pyramid
- At-risk populations (diabetics, cancer patients, etc.)
- Temperature/latitude
- Density and lived density at the county level to identify at-risk areas