Bata Visualization Transcript

After doing Covid 19 Policy Analysis in the US, we decided to dive deeper into the positive cases and deaths in the United States.

To start, I created a side-by-side bar graph showing the top states in terms of both positive cases and deaths. As you can see, states like California, Texas, Florida, and New York lead in both categories, but interestingly, the ratio between positive cases and deaths varies from state to state. For example, if you look at New York you see one of the highest death counts but a lower positive case count than other states. This suggests that factors like healthcare capacity or demographic differences might play a role in the outcomes for each state.

Next, I visualized the data on a U.S. map, shading each state based on positive case counts and dots that are sized and colored to represent the number of deaths in each state. This gives a geographic perspective on how COVID-19 has impacted different areas, making it easier to see the hotspots for both infections and fatalities.

Finally, I created a line graph that shows the time trend of positive cases and deaths for the top N states. This gives us a clear view of how the situation evolved over time. We can see the spikes in cases, increases in deaths, and then leveling out possibly due to vaccines being introduced or restrictions being implemented. This part of the dashboard really highlights the dynamic nature of the pandemic and how different states experienced different peaks.

Overall, this dashboard provides a comprehensive look at how COVID-19 has affected the U.S. on both a state and national level. By combining geographic, categorical, and time-based views, we can gain insights into both the immediate and long-term impact of the virus.