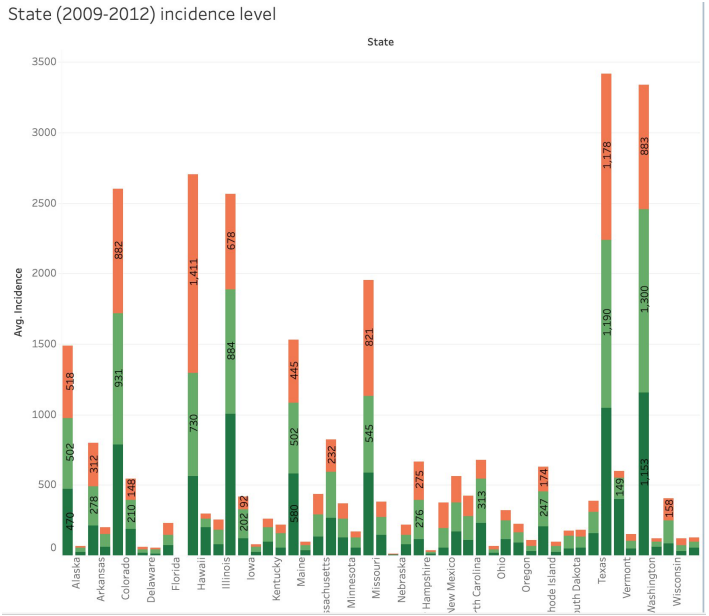
Seasonal Influenza

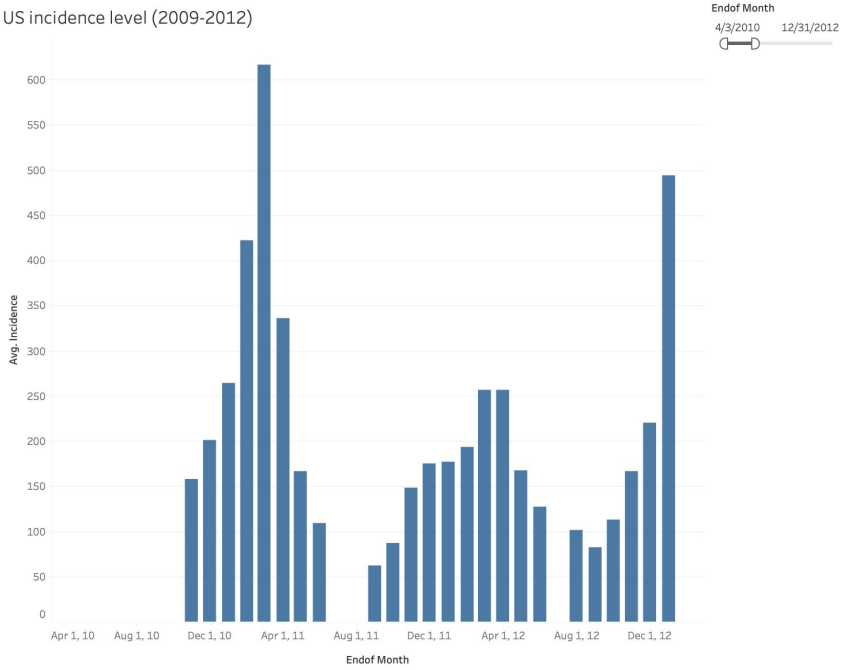
Team 11: Eric DeMare, Shreya Manchanda,
and Dhanashree Patel

Years 2009-2012 dataset (eric)

State (2009-2012) incidence level



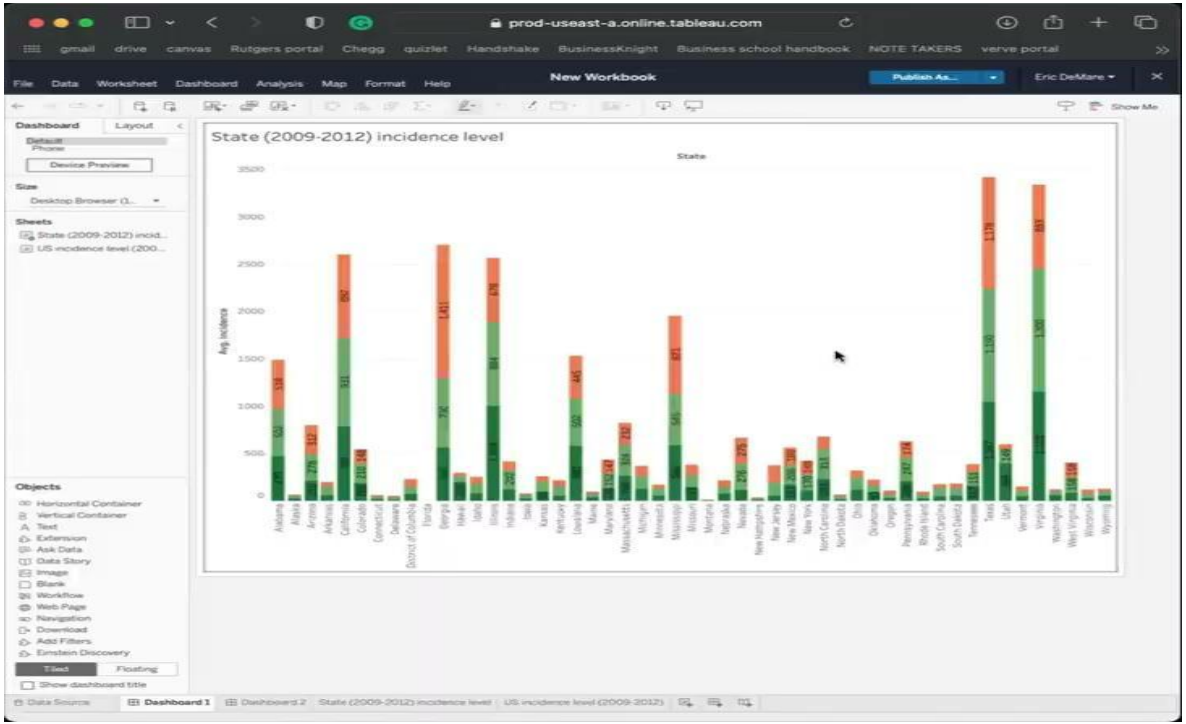
US incidence level (2009-2012)



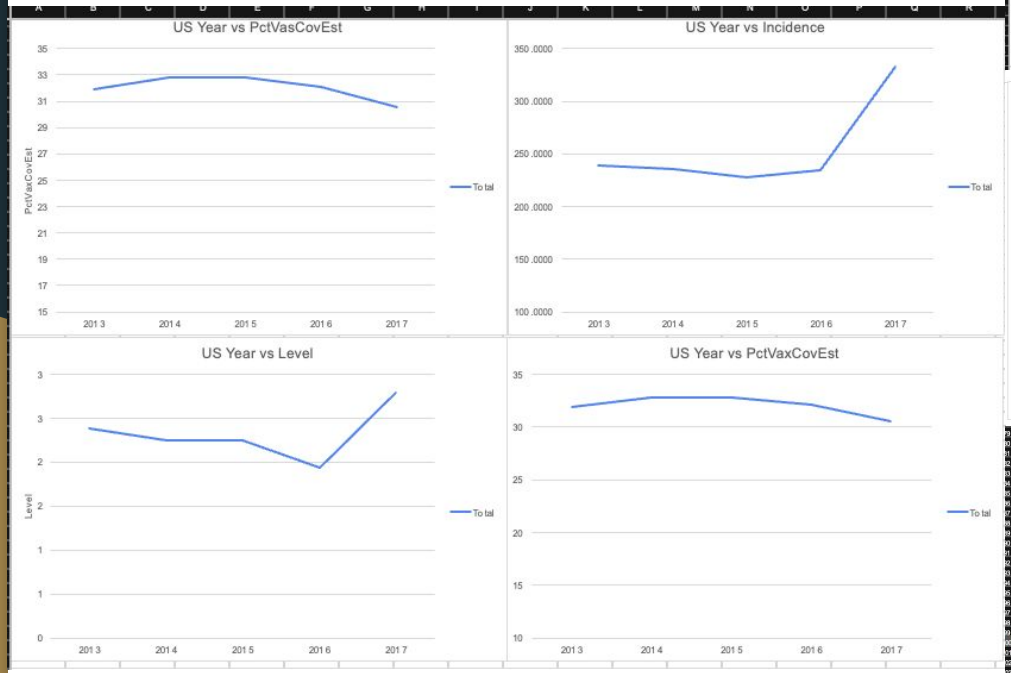
Managerial Recommendations

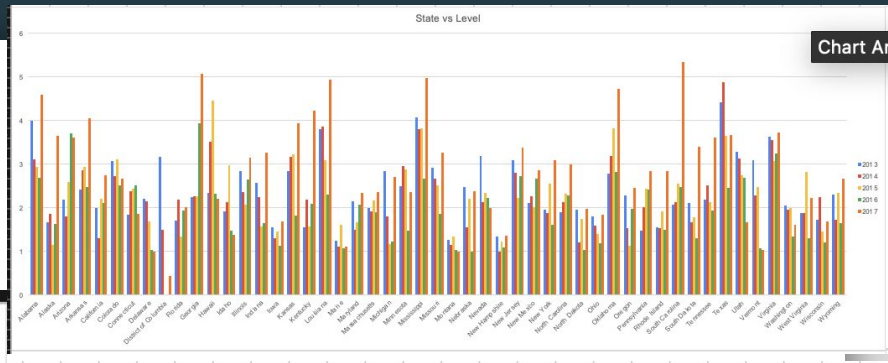
- Strategic
  - Tracking vaccination rates throughout the years helps identify barriers and adjust vaccination program accordingly.
- Tactical
  - Implement a flu vaccine program. This can involve partnering with a local health clinic to provide onsite vaccinations or offering incentives for people who get vaccinated.
- Operational
  - Provide education to people who don't have access and inform them on the benefits of the vaccine

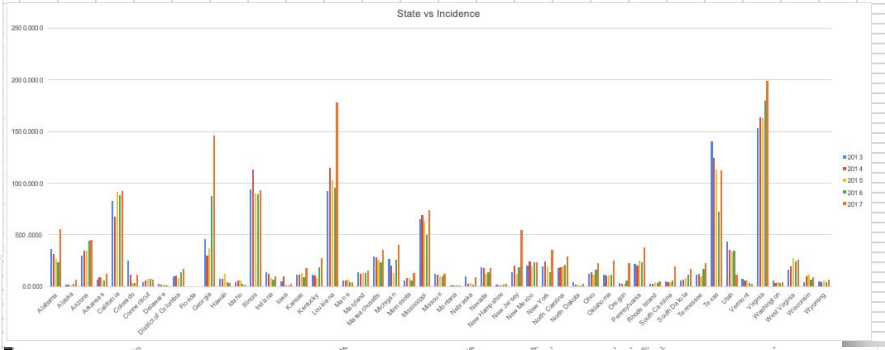
Dashboard Video

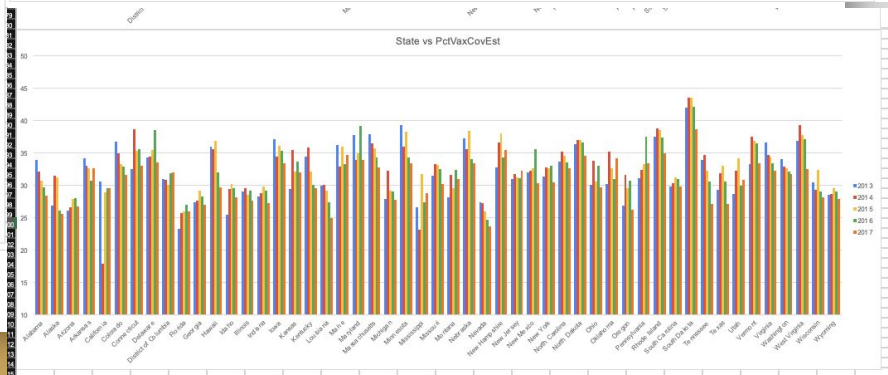


Years 2013-2017 dataset





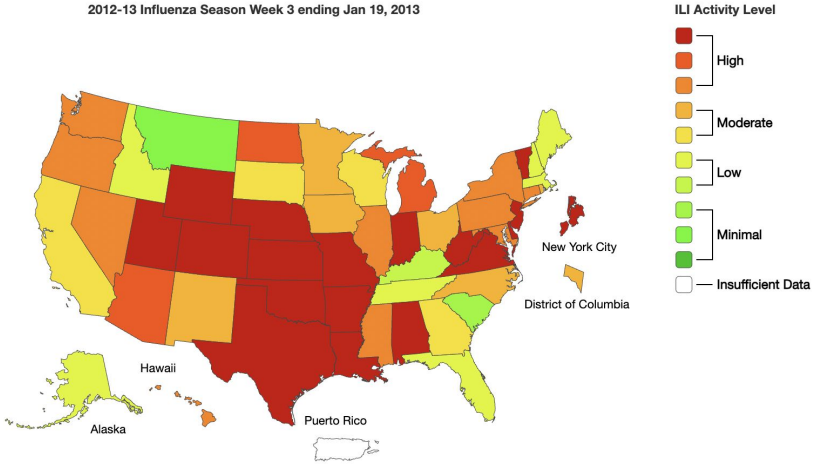




Tactical Recommendation

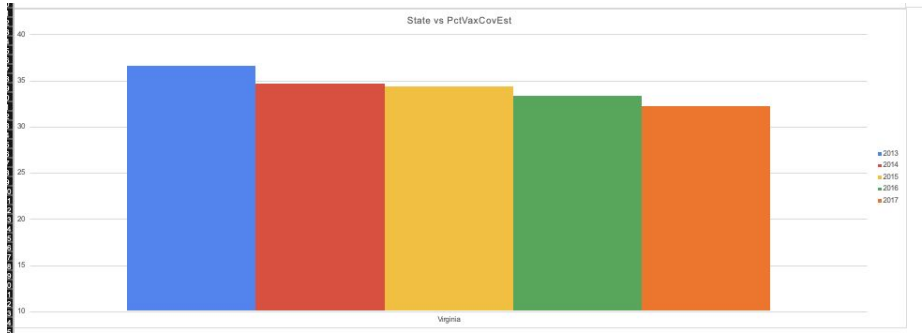
During early 2013, there was a spike in flu cases, a spike that was unprecedentedly high. According to US News,128 million of the 135 million flu vaccines were administered, which constitutes 95 percent of the vaccines created.

My **tactical recommendation** would be to be prepared for large outbreaks of the flu and stock every public location with hand sanitizers and masks to avoid the spread of the influenza virus.



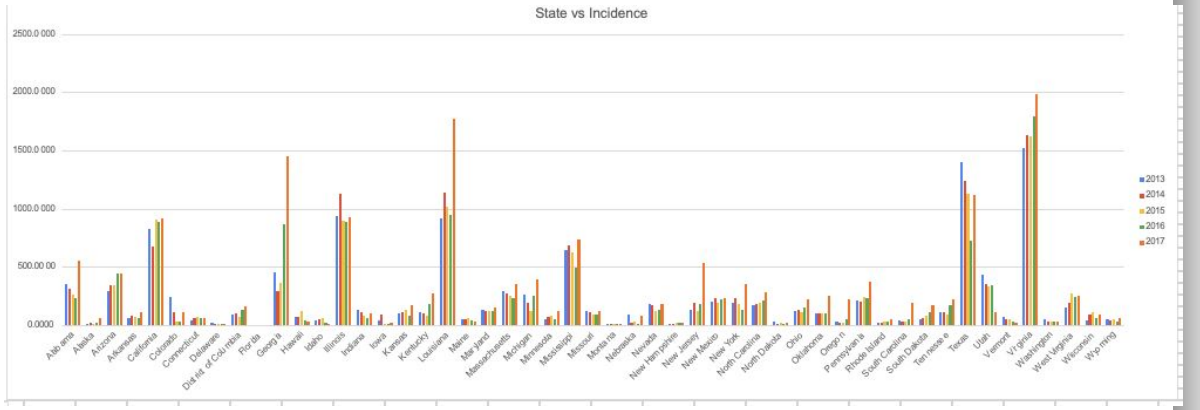
Operational and Strategic Recommendation

The Excel dashboard shows almost 2000 incidences of influenza in 2017. However, when we look at the Percent Covered Estimate in Virginia for the year 2017, it is around 33% which is consistent with the rest of the United States.

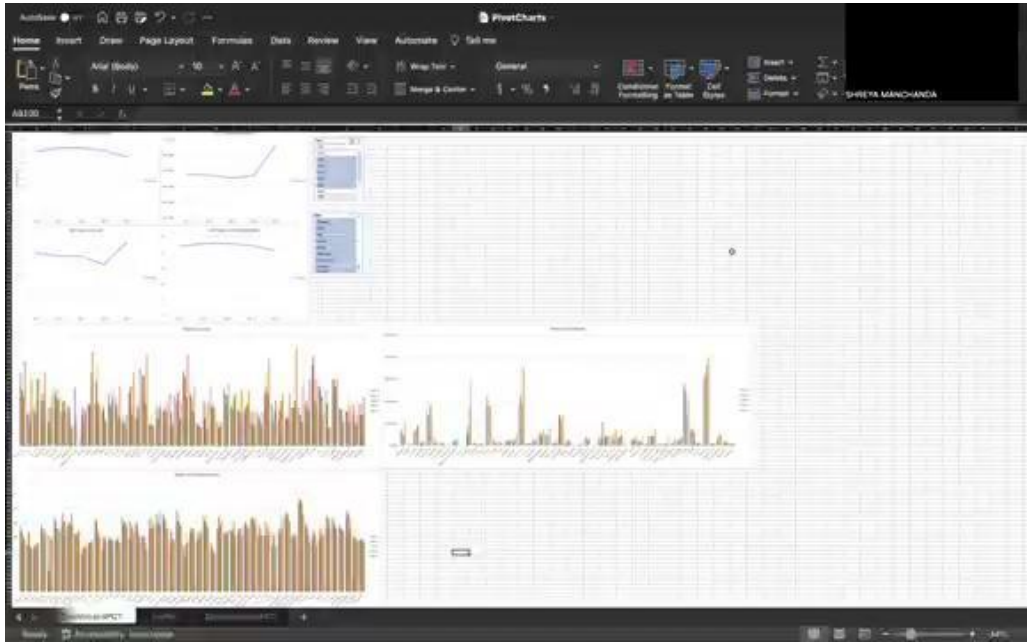


My operational recommendation would be to provide more vaccination locations to the states that tend to have larger incidence numbers.

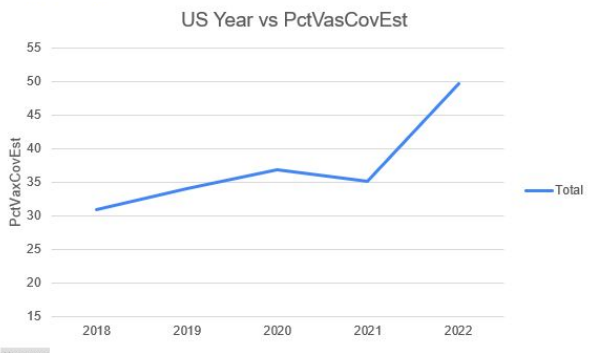
My **strategic recommendation** would be to increase sick day pay for workers.

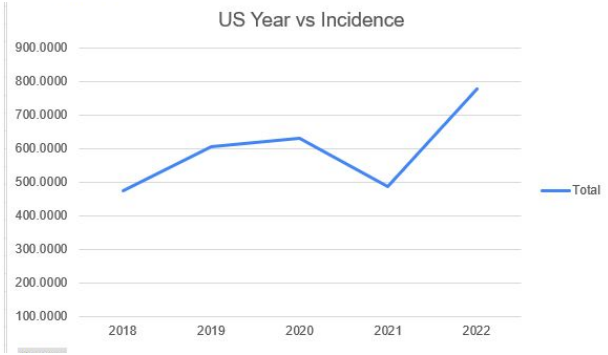


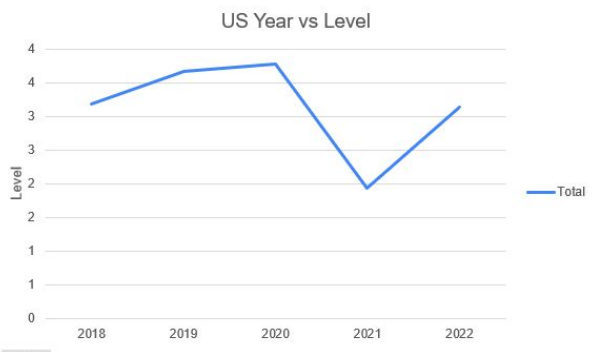
Dashboard Video

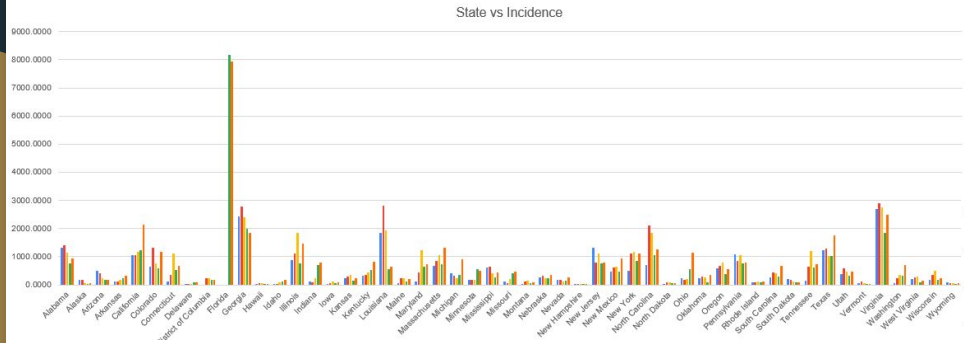


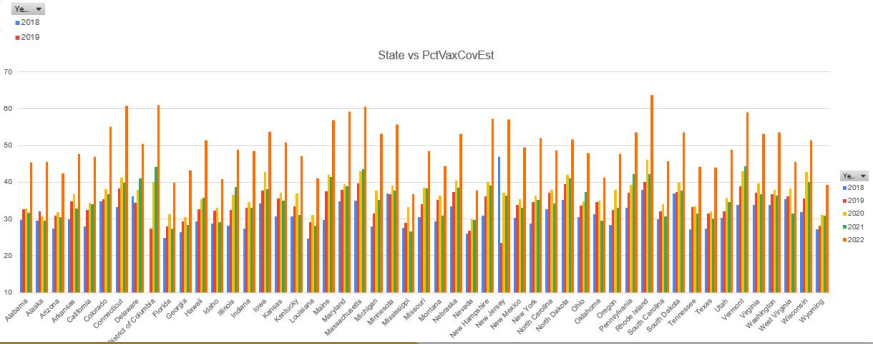
Years 2018-2022 Dataset











Years 2018-2022

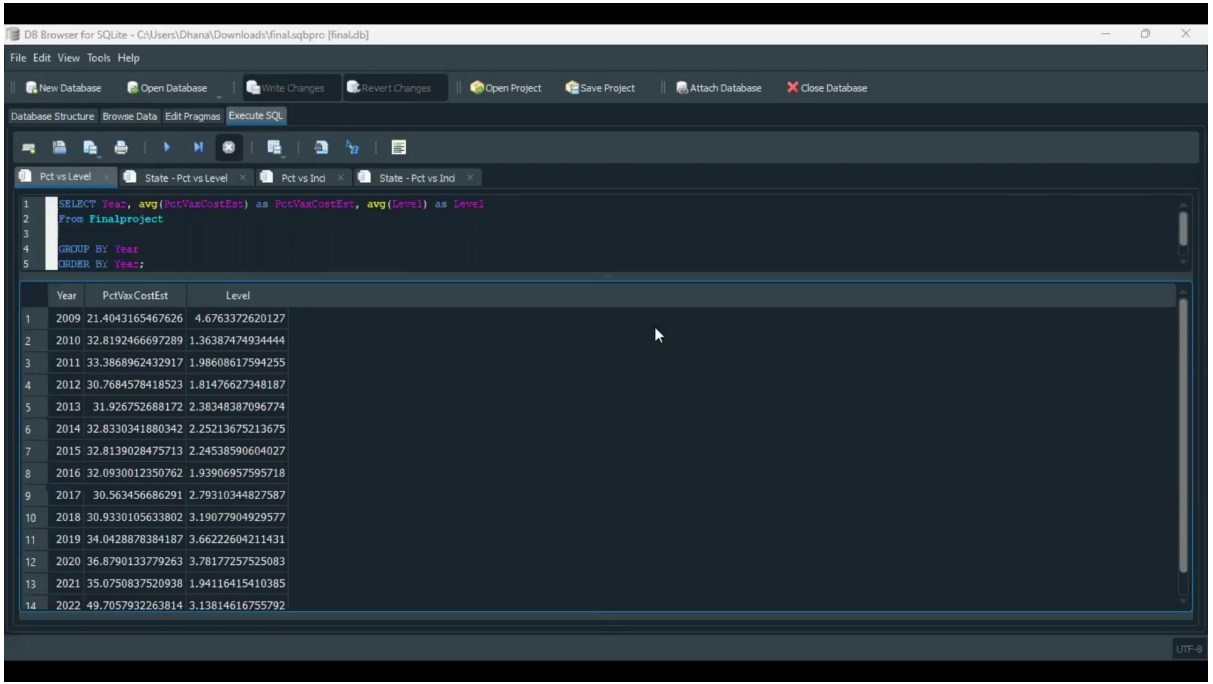
Managerial Recommendations:

Operational - Provided needed education and public announcements to debunk myths about vaccines.

Tactical - Making the vaccine available to the ones who are and aren’t covered by insurance and increasing the number of clinics providing the vaccine.

Strategic - Investing in research to develop plans for future outbreaks.

Dashboard Video



Thank you!