



Why No Booster?

Analysis of People Who Received
Vaccines But Not Booster


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Goal

- To understand why those who received the vaccine chose not to get the booster



Context

- As of right now, boosters are widely available for adults throughout the country
 - However, many still choose not to receive these boosters, even if they chose not to get the vaccine
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Process

- I looked at the 4 states that had the biggest difference between vaccine rate and booster rate to see if there was a common reason

Data

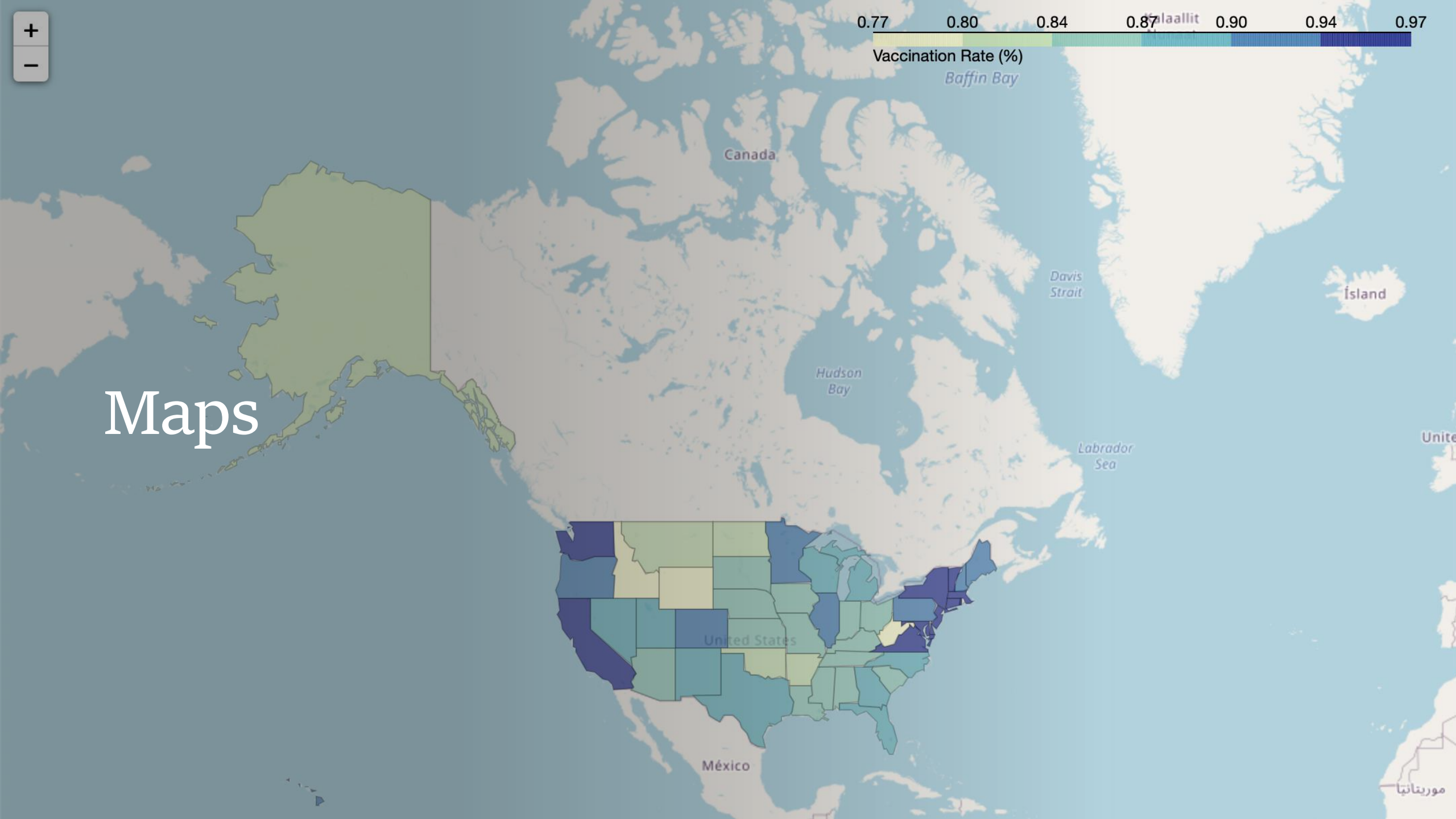
- All data was sourced from the Household Pulse Survey (HPS) Week 46 release
- Data used: Vaccination status, booster status, state, and reason for not getting the booster

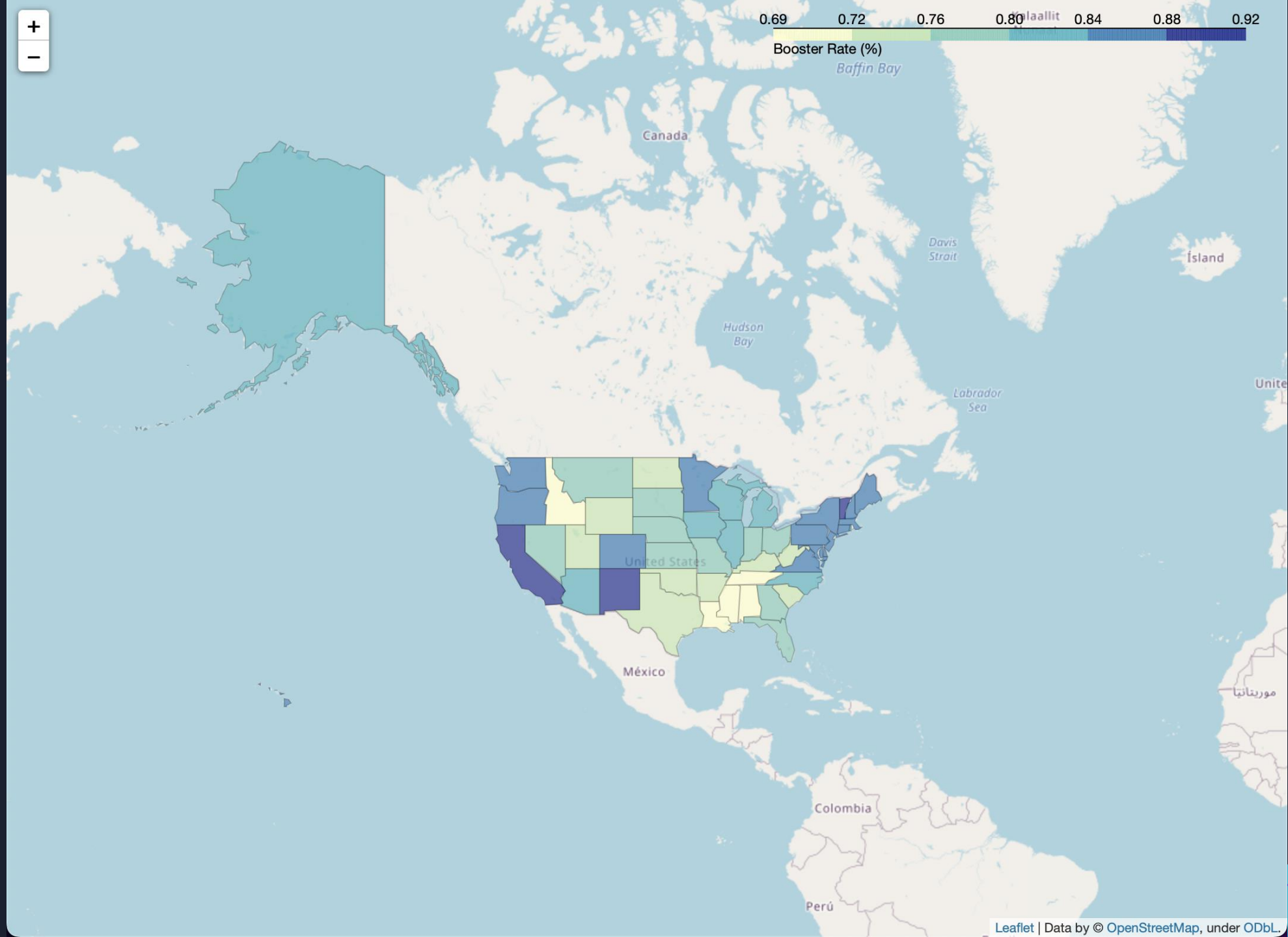
Goal Formation

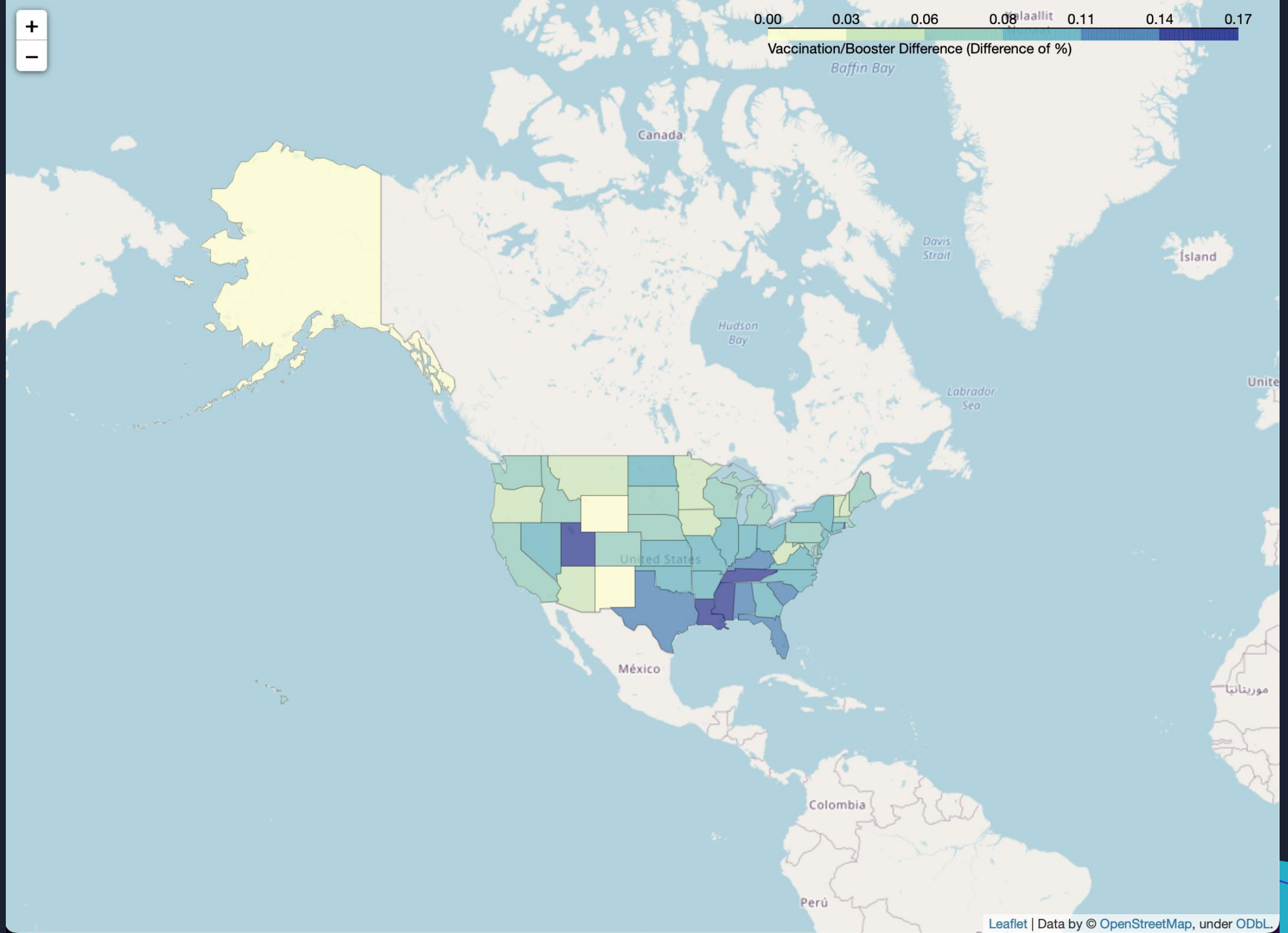
- The goal came about from analyzing a series of maps contain vaccination rate, booster rate, and difference between vaccination and booster rate
- These maps were formed based on the data set using the Folium python package



Maps





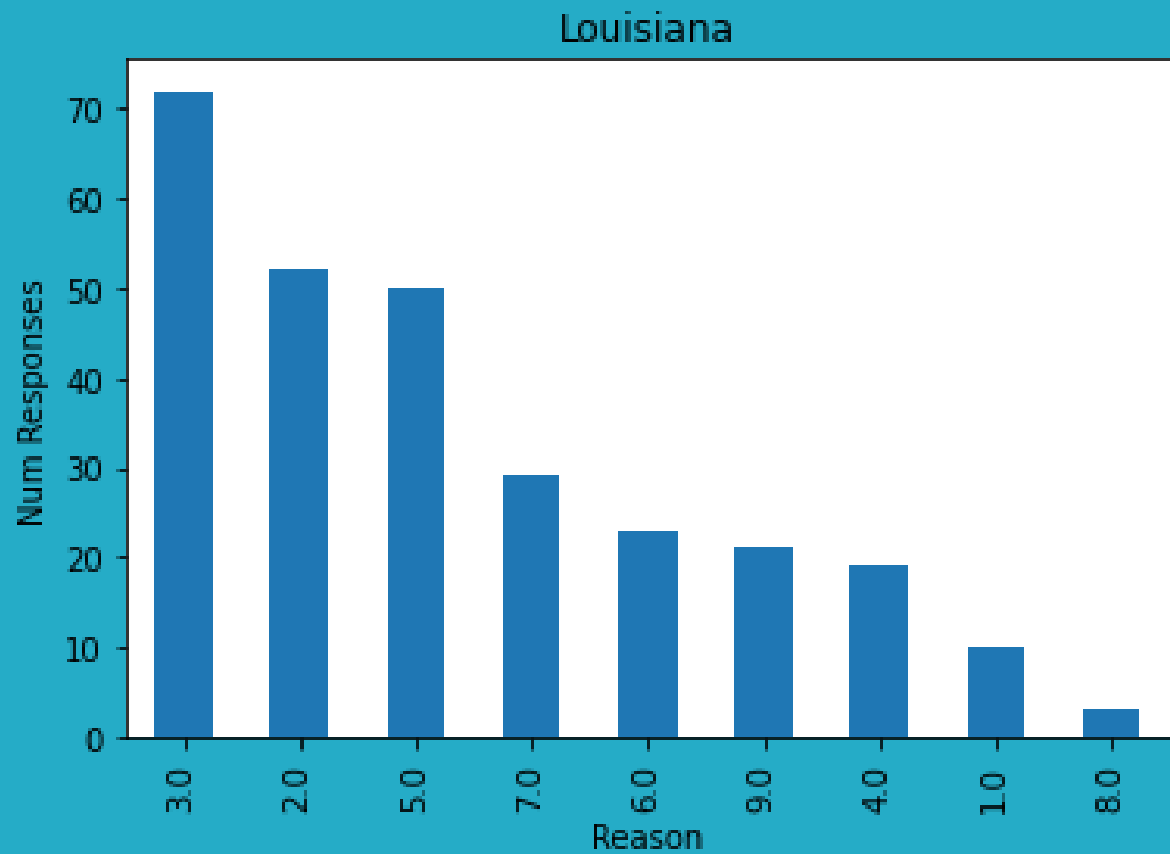


Reasons for no Booster

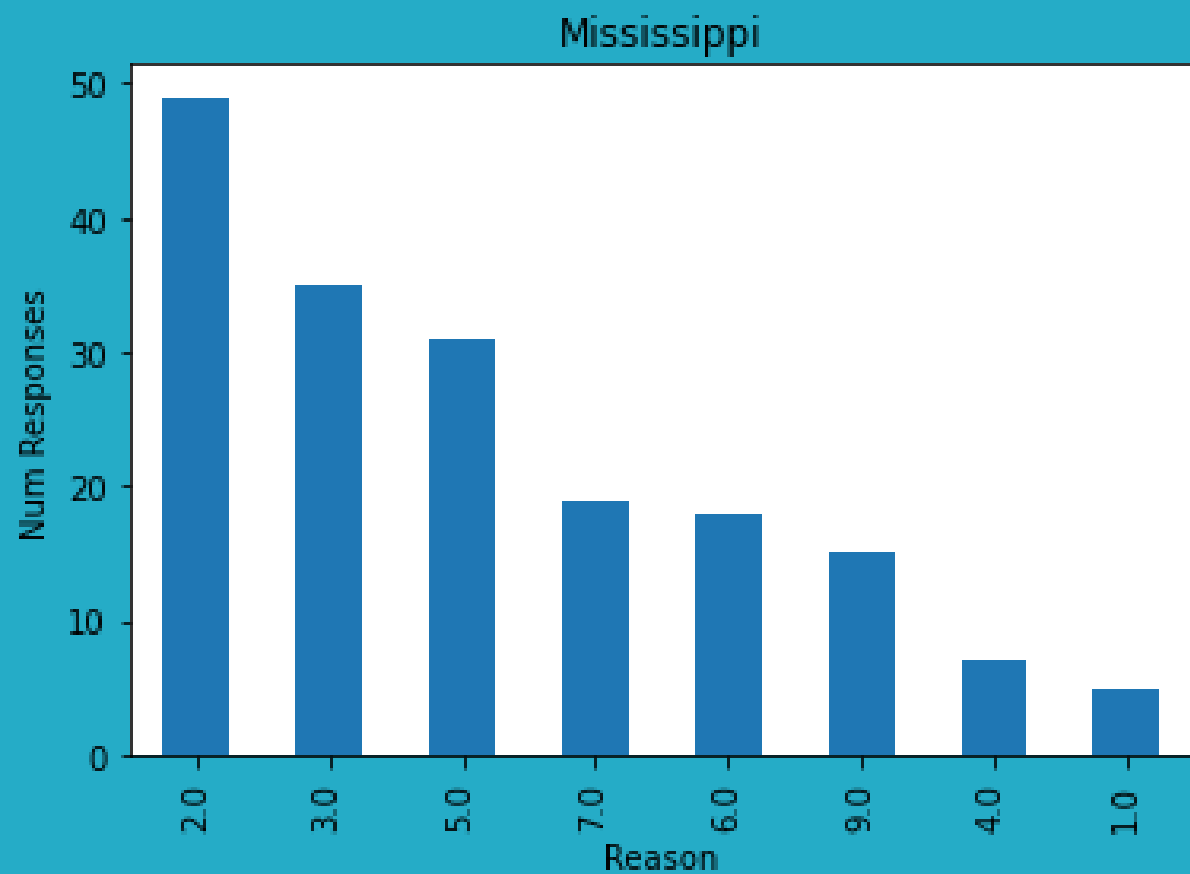
- 1: Not eligible
- 2: Plan to get booster
- 3: Unnecessary
- 4: No doctor recommended
- 5: Already had Covid
- 6: Not required (work/school)
- 7: Vaccine side effects
- 8: Cannot get to facility
- 9: Other

State Selection

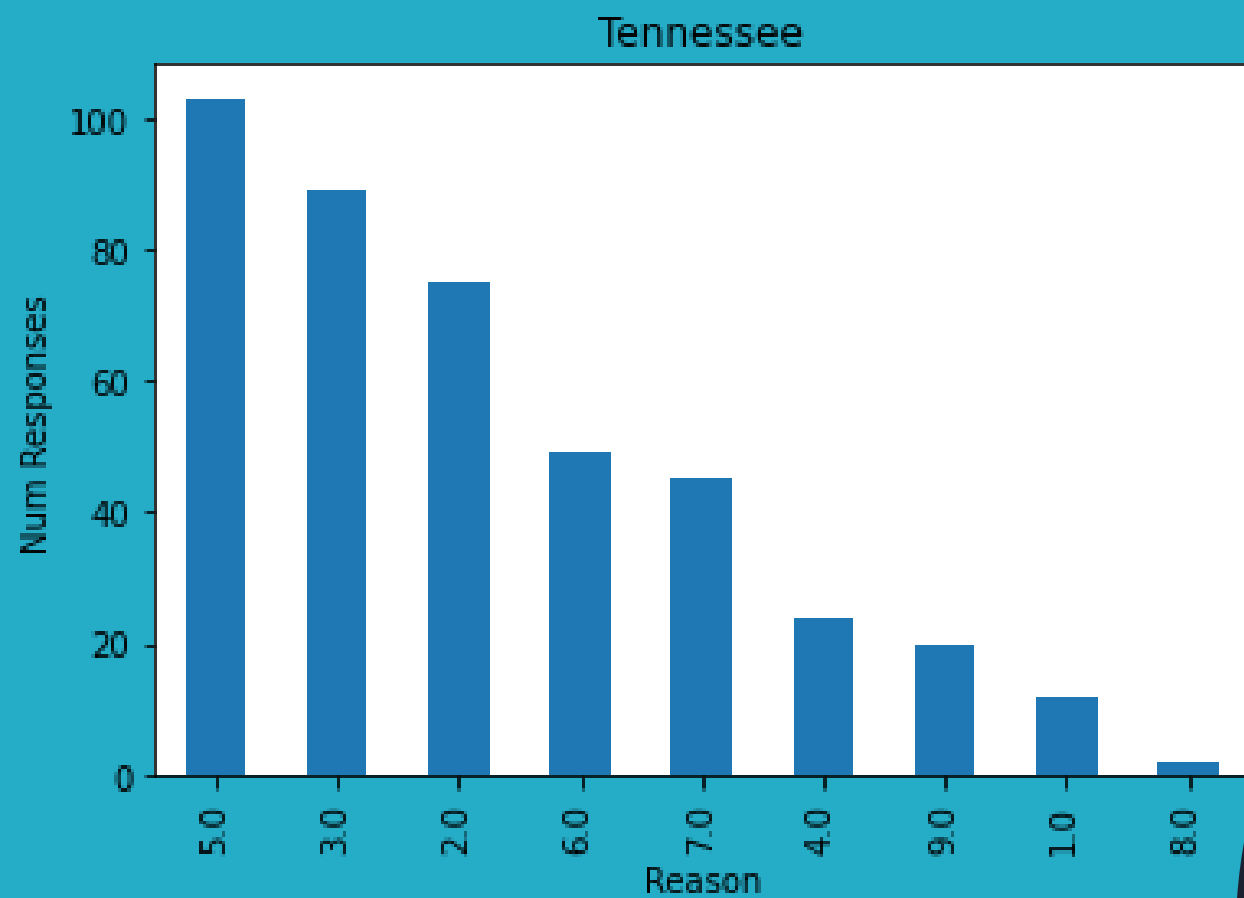
- The 4 states with the largest difference based off the 3rd map were Louisiana, Mississippi, Tennessee, and Utah
- Graphs were created to visualize the reasons by state



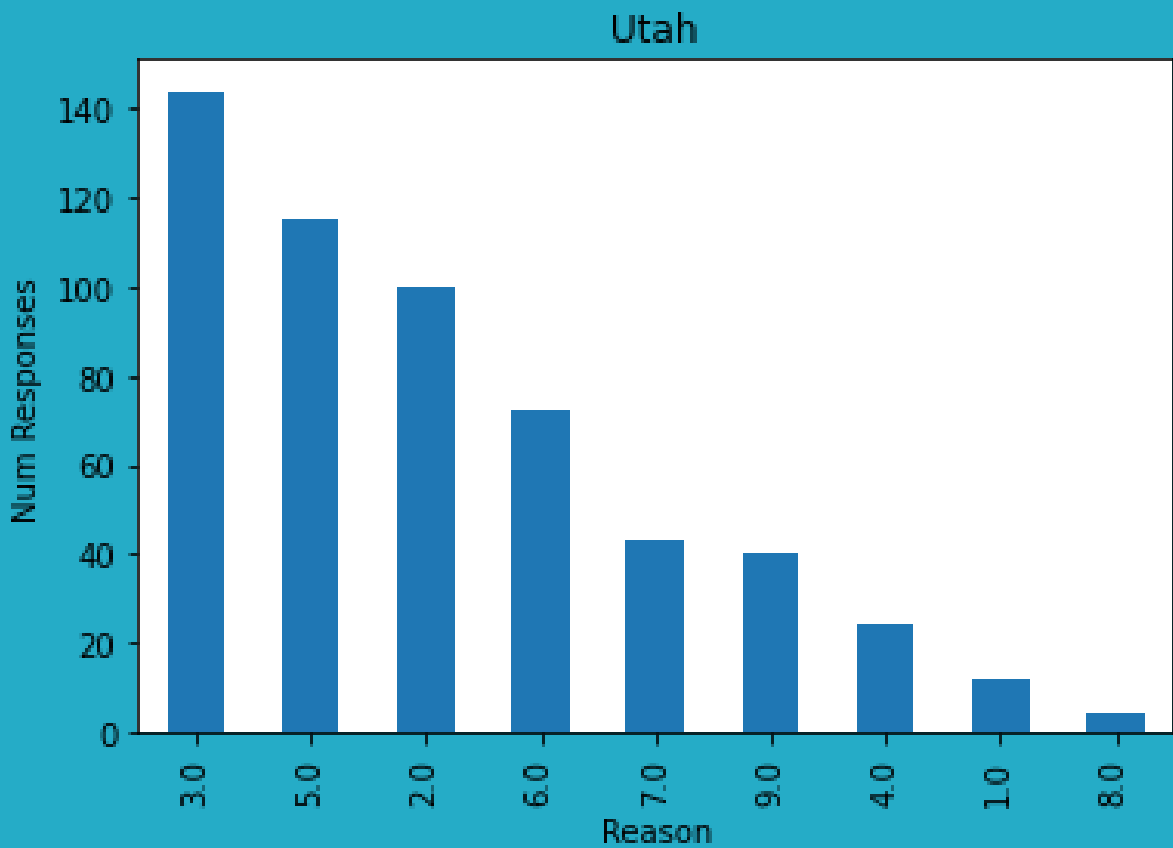
State Graphs



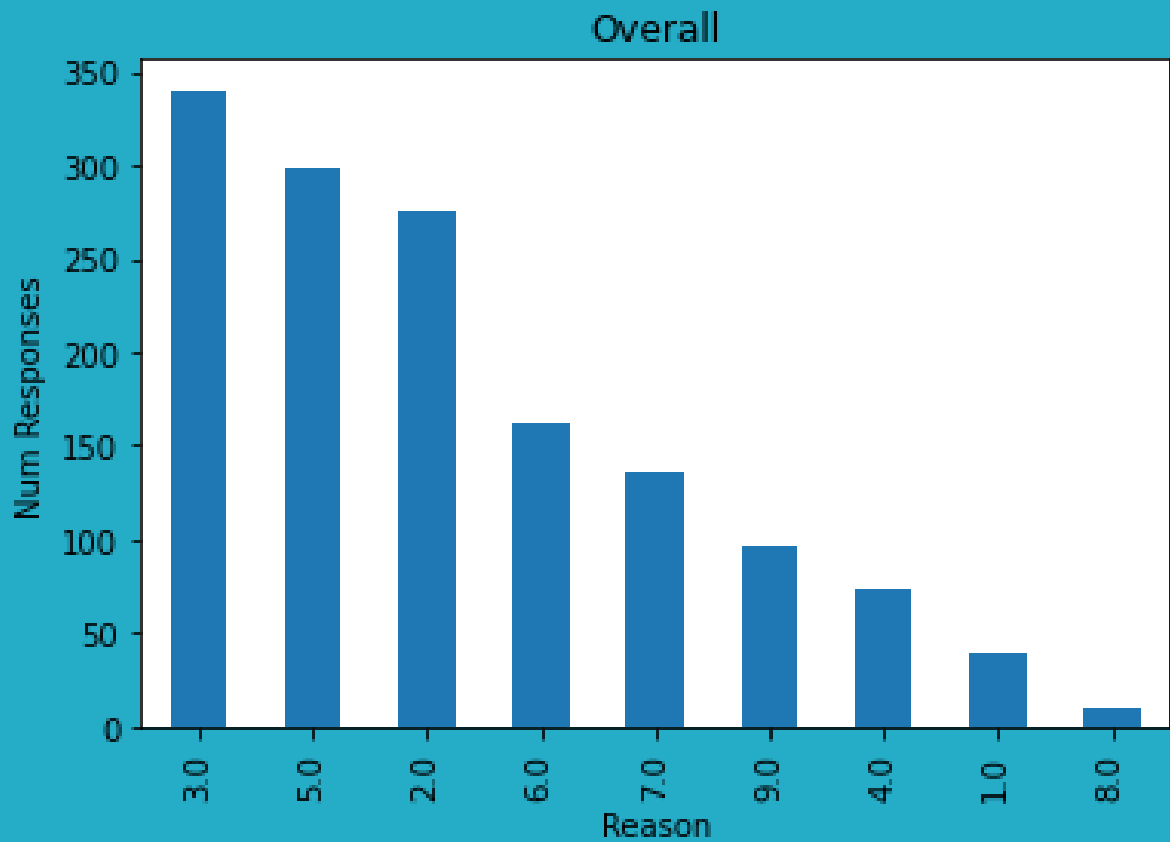
State Graphs



State Graphs



State Graphs



Overall Graph

Conclusions


- There appear to be 3 main reasons for not getting the booster

Booster is not Necessary

- The main reason with 340 responses was that the booster is not needed
- This is not surprising given that there has also been a lot of skepticism towards the original vaccine




Already Had Covid

- The second reason with 299 responses was for people who already had covid
 - The reasoning behind this is that these people have built up antibodies from having the virus that they do not need a booster
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Plan to get Booster

- The third reason with 276 responses was people who plan to get the booster but have not yet
 - This makes some sense given the time and potential side effects but given the availability of the booster this is also somewhat confusing.
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Overall Conclusion

- It appears the main reason for not getting the booster is not believing in its effectiveness, or being too lazy to get it
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