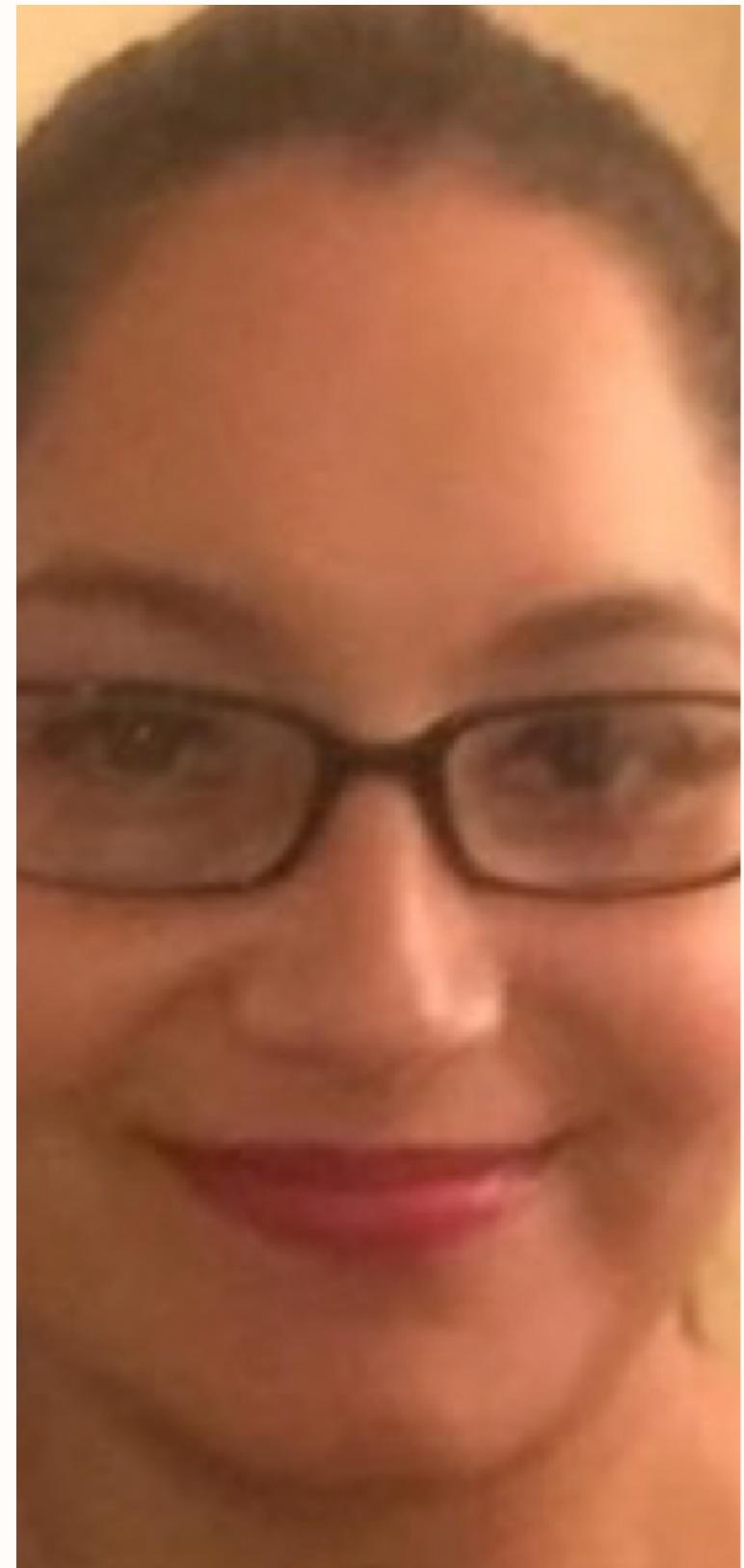


COVID-19

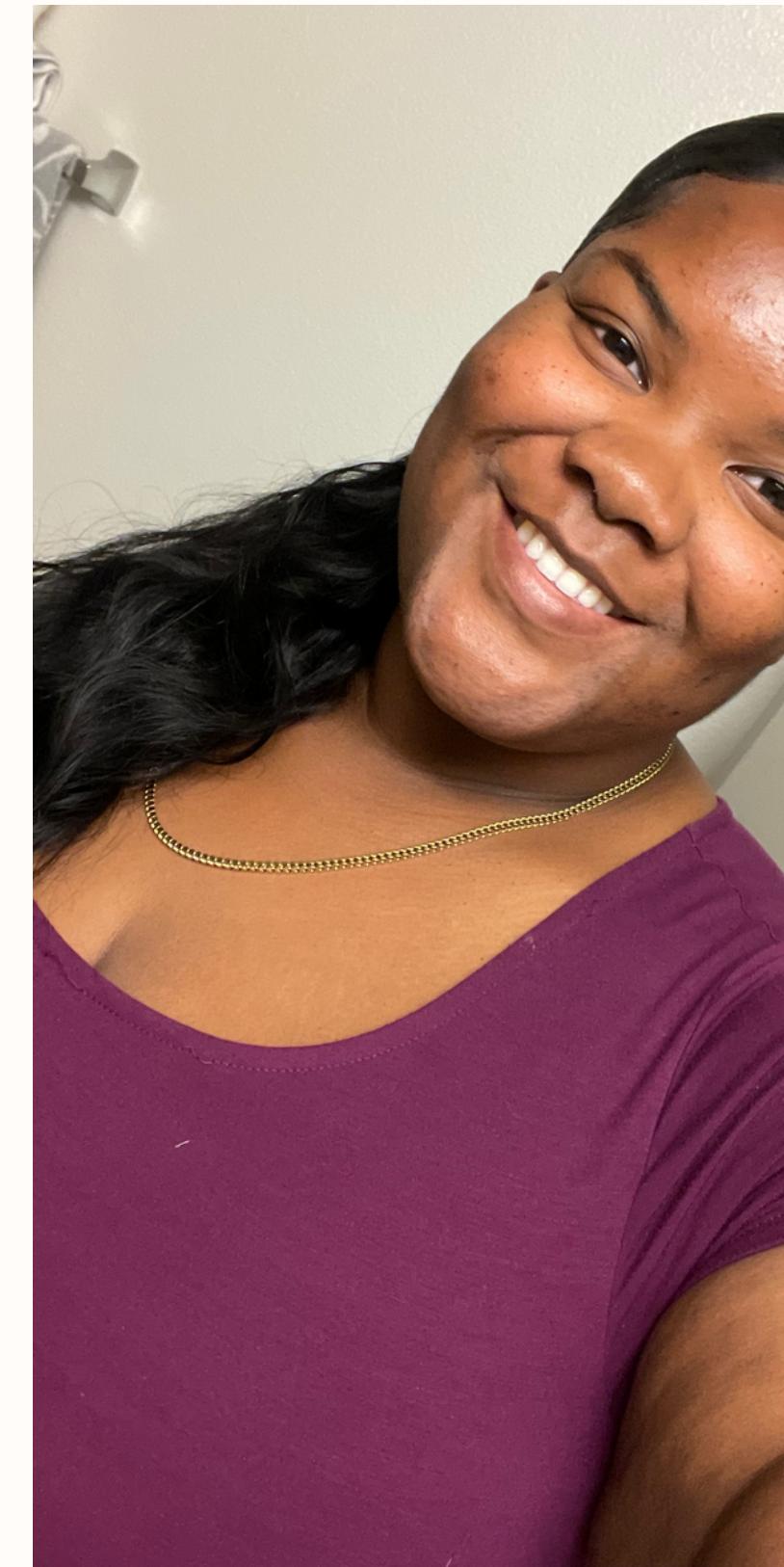
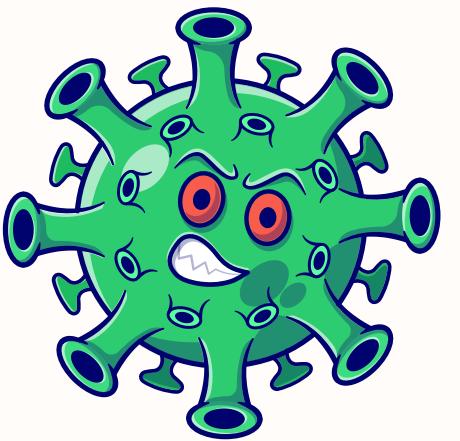
Vaccination Rate The Rise.

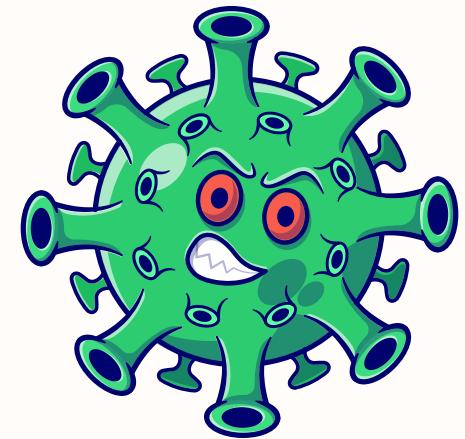


Done By:
Jasmin Silva-Nunez
Arkajia Dunbar



Introduction: The students





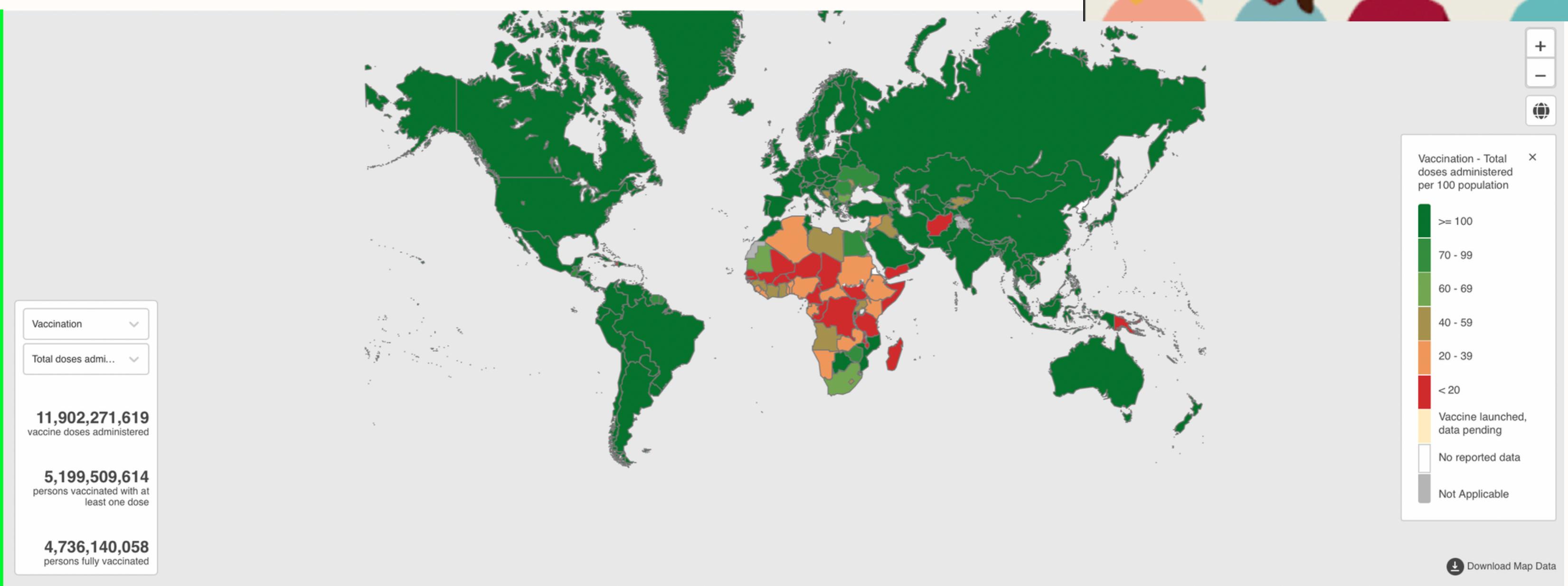
Project Introduction

COVID-19 is a deadly virus that stopped the world completely. This deadly disease affected everyone and impacted lives on many levels: mentally, emotionally, physically, and most of financially. After a year of living with this virus a vaccine was created to help remedy the impact of the disease.

We will be discussing three states with different information about the vaccination rate and how they may have differed from different counties.

The three states are Texas, Nevada, and California.

OVERVIEW OF COVID-19 (The WORLD)



CONTINUED . . .

The current COVID-19 situation

Data reported to WHO in the last 24 hours. Latest update: 17 June 2022, 08:24 am GMT-7.

138 833

New cases

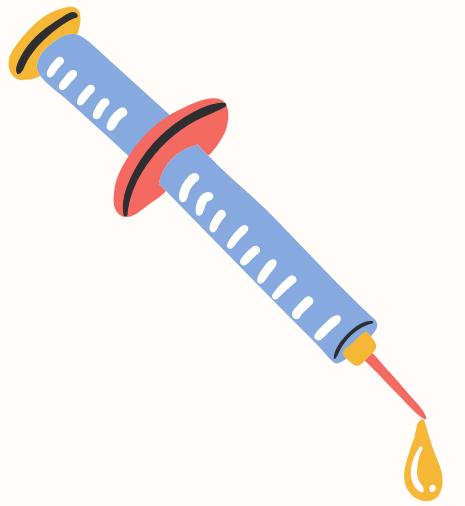
85 007 630

Confirmed cases

1 002 946

Confirmed deaths

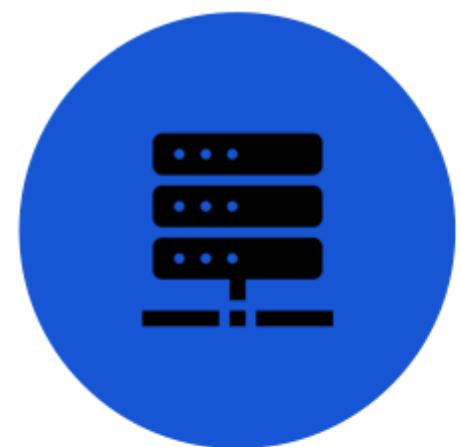
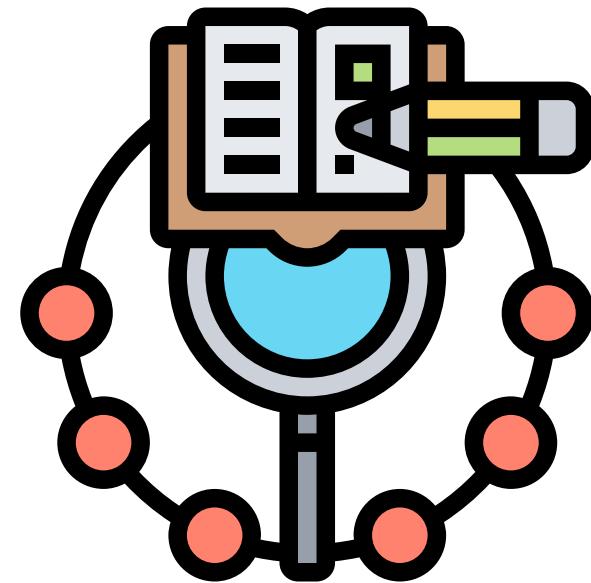
Vaccine rates



We will be exploring the vaccination rates in three states: Texas, Nevada, and California. Comparing which county has the highest and lowest vaccination rate and comparing to see if the most vaccinated counties has the highest population rate.



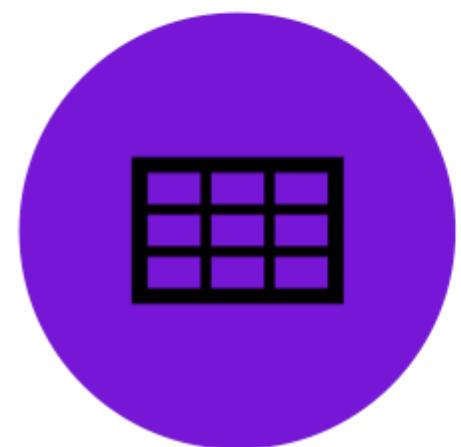
Methods



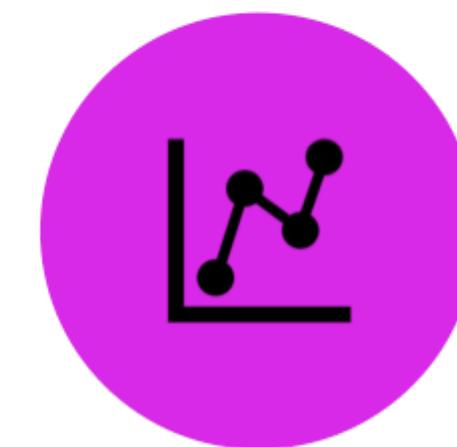
We utilized different websites for data research such as: WHO(World Health Organization), CDC(Center for Disease Control), and research databases for research.



To manipulate and data wrangle we used Python as our main program of choice, including Tableau.



Joining New Data Sets Together



Compared and contrast the different dataset to complete analysis.

California

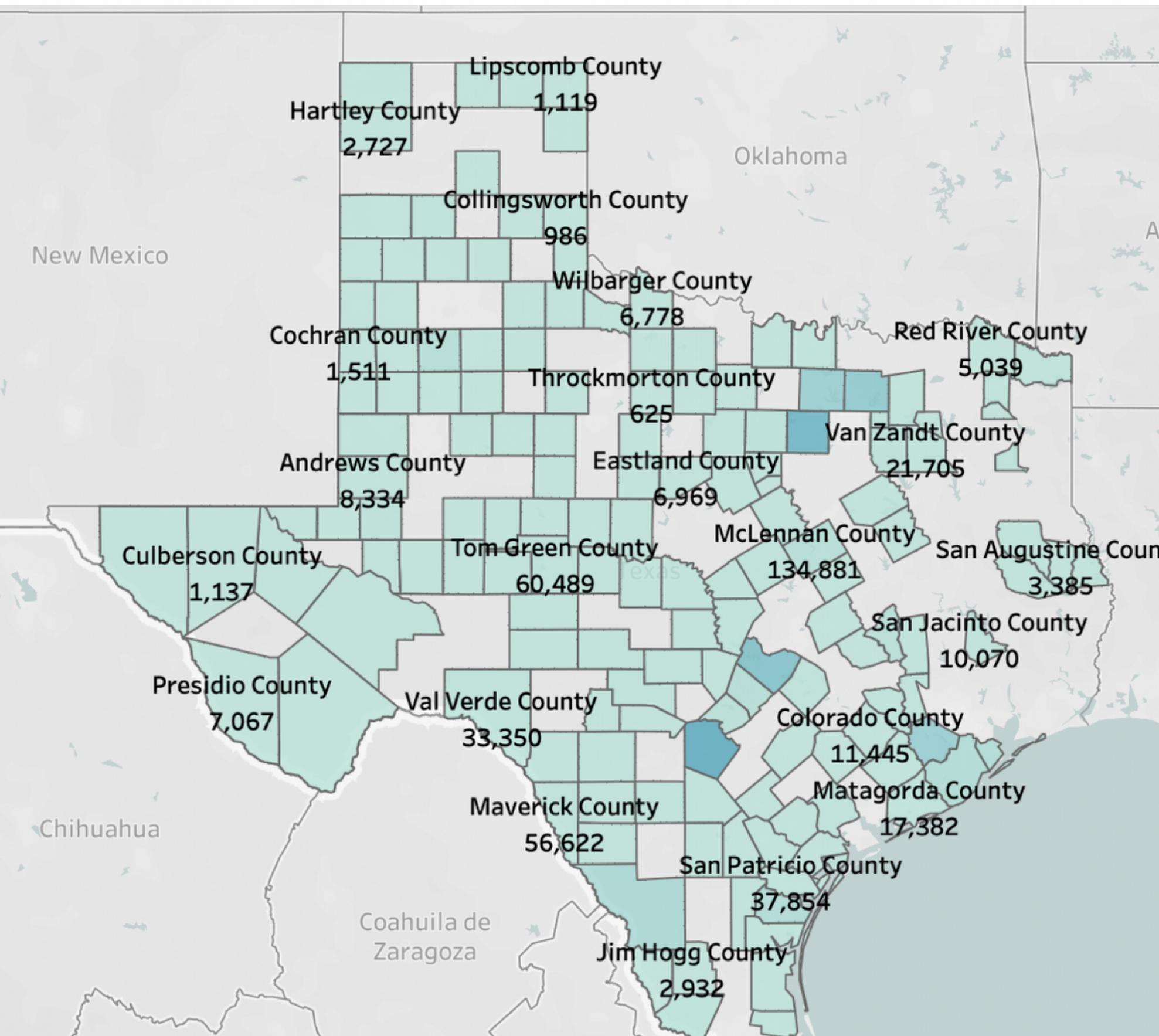


The population of the lowest vaccine count is **1,249** which is Alpine County
About **70%** of the residents are vaccinated

The population for the highest vaccine count is **9,934,710** which is Los Angeles
About **70%** are vaccinated

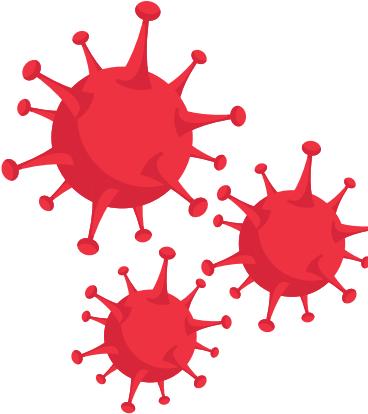


Texas

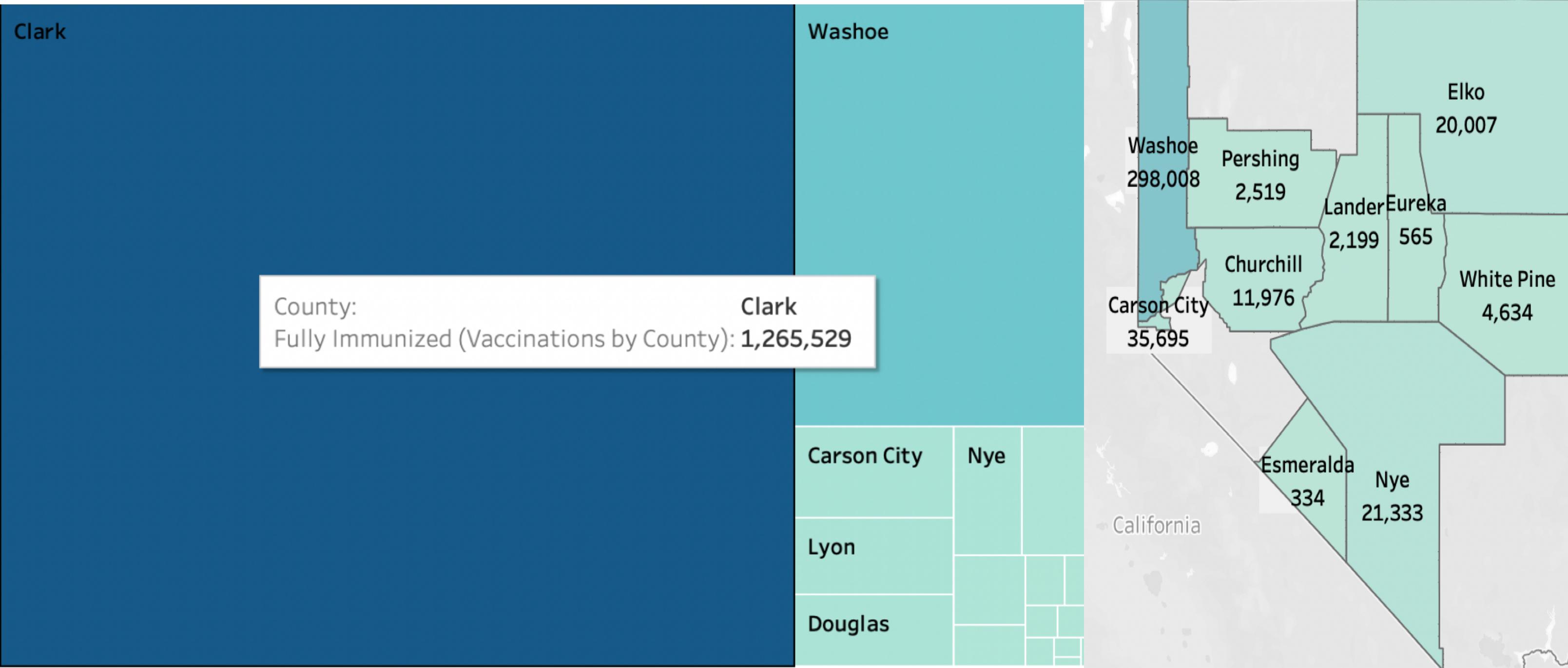


- The population with the lowest vaccine count is 34 which is Loving County
- Their population is 117 resident
- The population with the Highest vaccine count is 3017251 which is Harris County
- Their population is **4.681 million** resident





NEVADA



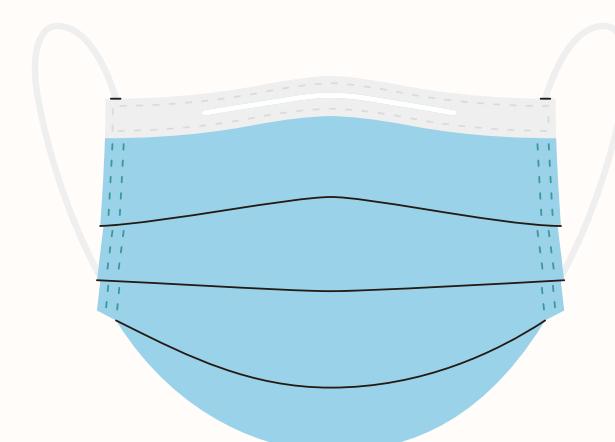
Python Conclusion for Vaccine Data

California Texas

OLS Regression Results

Dep. Variable:	moderna_doses	R-squared (uncentered):	0.339			
Model:	OLS	Adj. R-squared (uncentered):	0.339			
Method:	Least Squares	F-statistic:	2.083e+04			
Date:	Fri, 17 Jun 2022	Prob (F-statistic):	0.00			
Time:	19:41:09	Log-Likelihood:	-4.3168e+05			
No. Observations:	40610	AIC:	8.634e+05			
Df Residuals:	40609	BIC:	8.634e+05			
Df Model:	1					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
jj_doses	4.1174	0.029	144.341	0.000	4.062	4.173

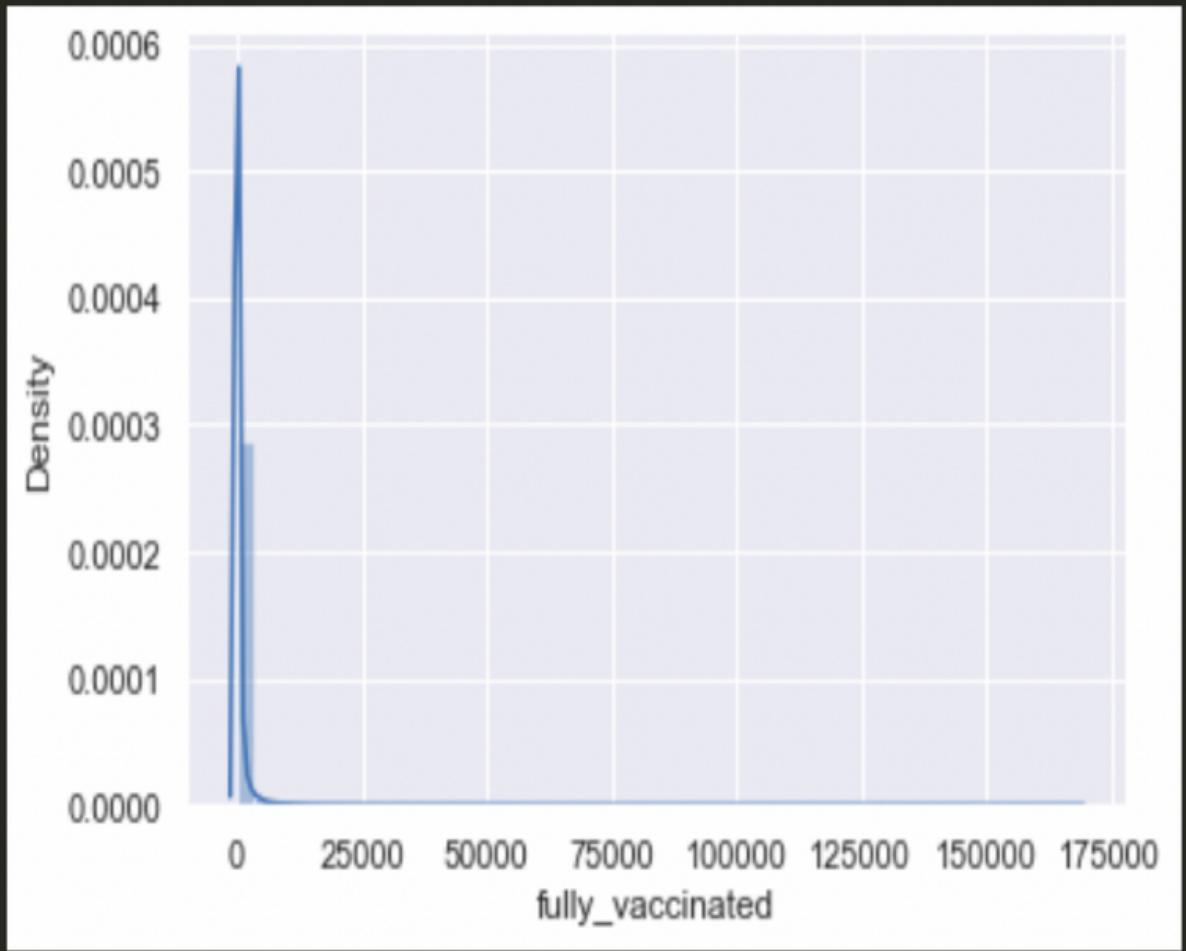
Omnibus:	62735.285	Durbin-Watson:	0.177
Prob(Omnibus):	0.000	Jarque-Bera (JB):	55154700.693
Skew:	9.622	Prob(JB):	0.00
Kurtosis:	182.514	Cond. No.	1.00



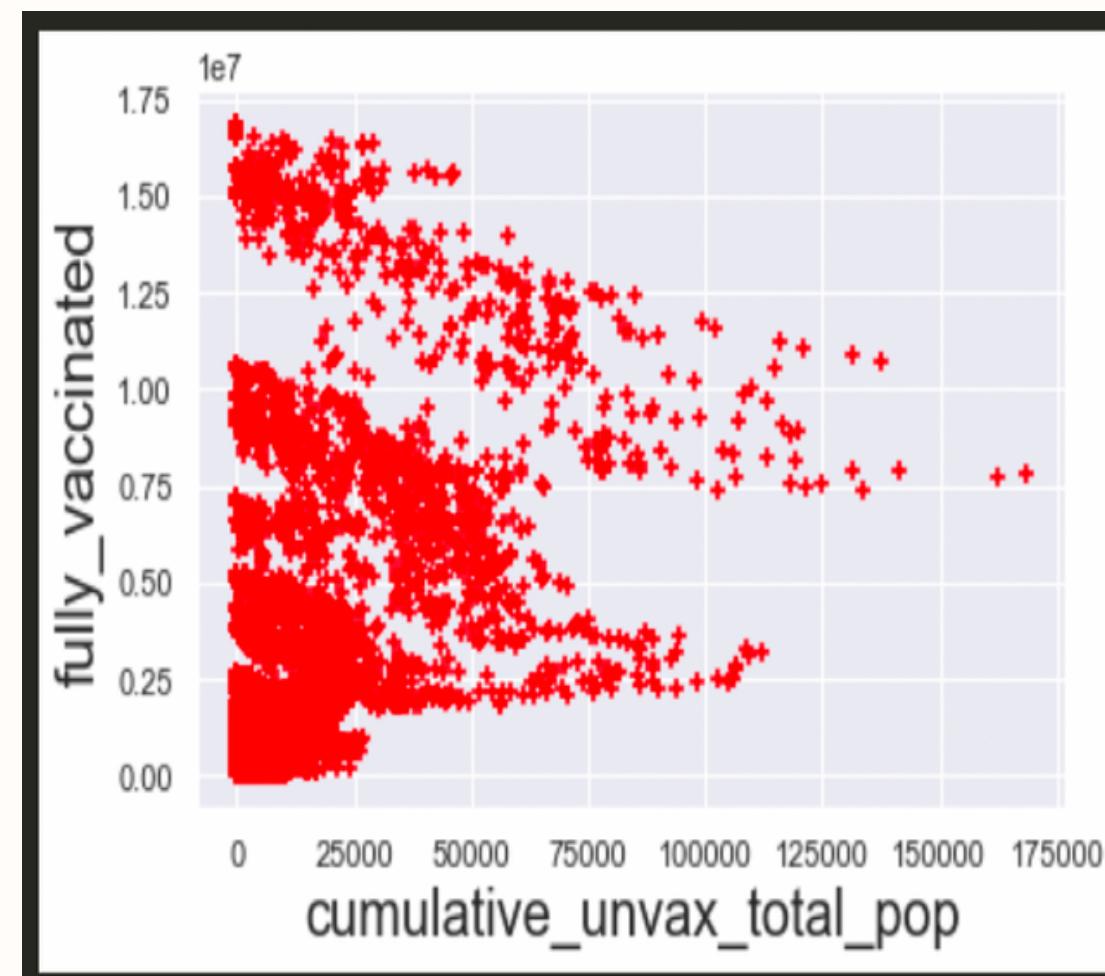
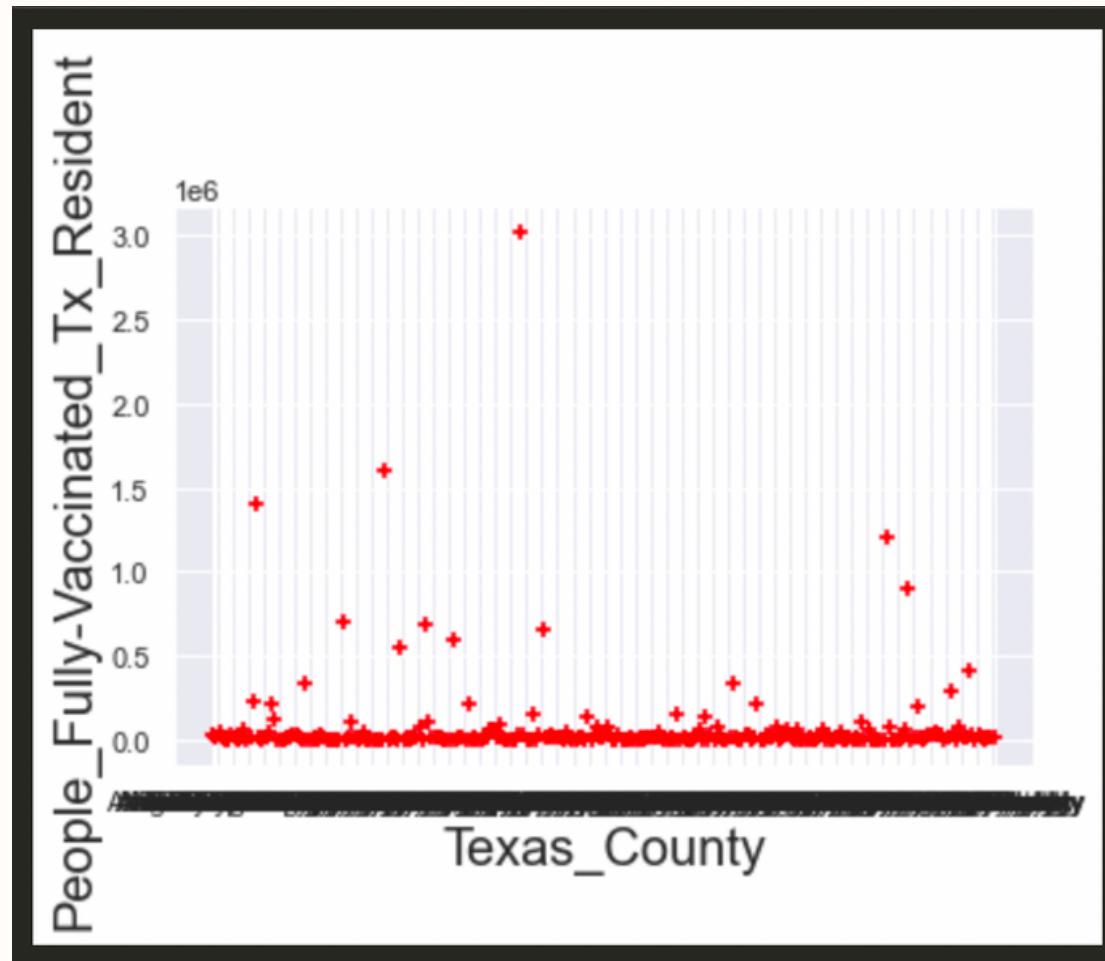
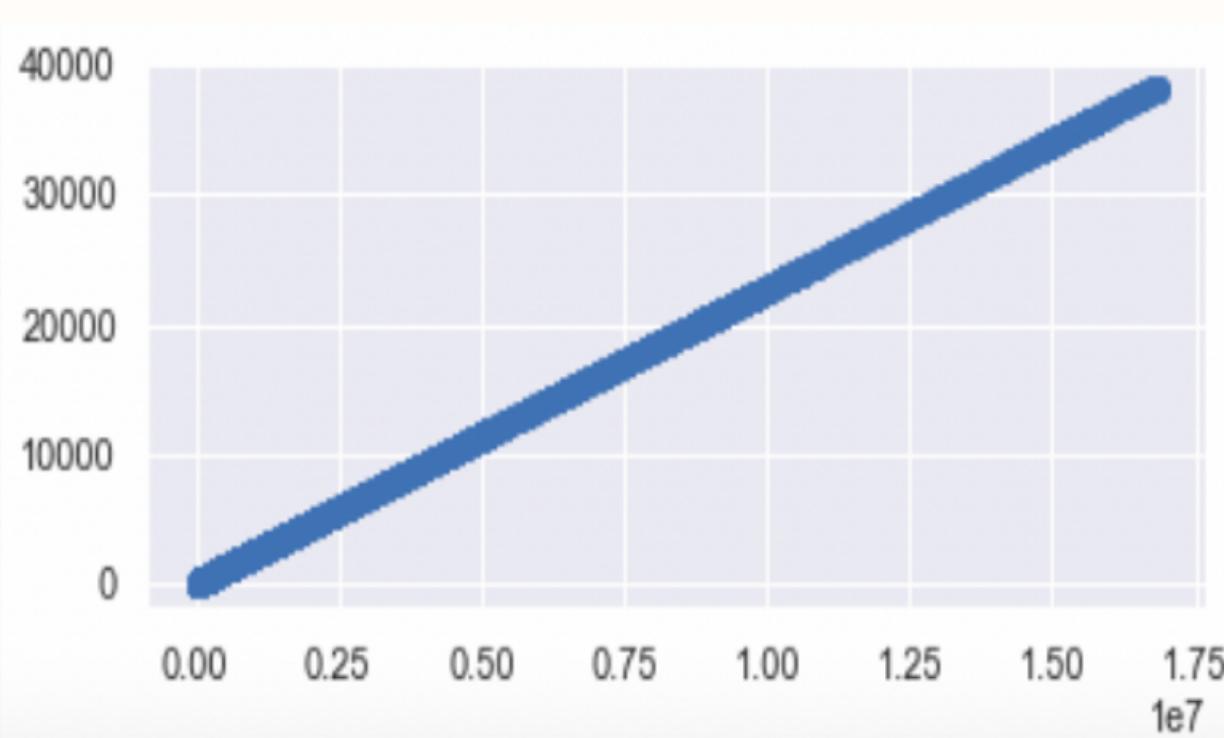
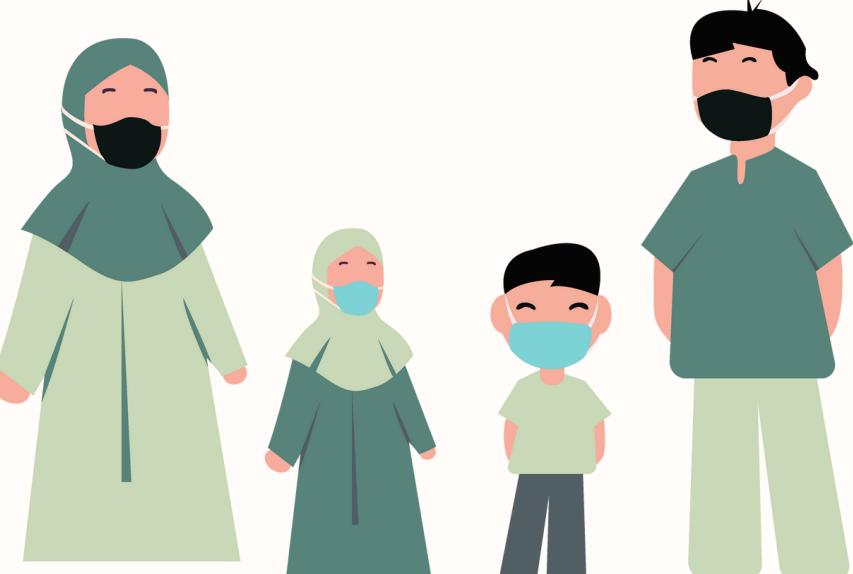
OLS Regression Results

Dep. Variable:	People-Fully-Vaccinated-TX-Resident	R-squared (uncentered):	0.998			
Model:	OLS	Adj. R-squared (uncentered):	0.998			
Method:	Least Squares	F-statistic:	1.220e+05			
Date:	Fri, 17 Jun 2022	Prob (F-statistic):	0.00			
Time:	16:15:28	Log-Likelihood:	-2765.5			
No. Observations:	255	AIC:	5533.			
Df Residuals:	254	BIC:	5536.			
Df Model:	1					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
People-with-at-least-1-Dose-TX-Resident	0.8439	0.002	349.286	0.000	0.839	0.849
Omnibus:	368.180	Durbin-Watson:	2.016			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	45162.695			
Skew:	-6.822	Prob(JB):	0.00			
Kurtosis:	66.753	Cond. No.	1.00			

<AxesSubplot:xlabel='fully_vaccinated', ylabel='Density'>



Data Graph of The three states

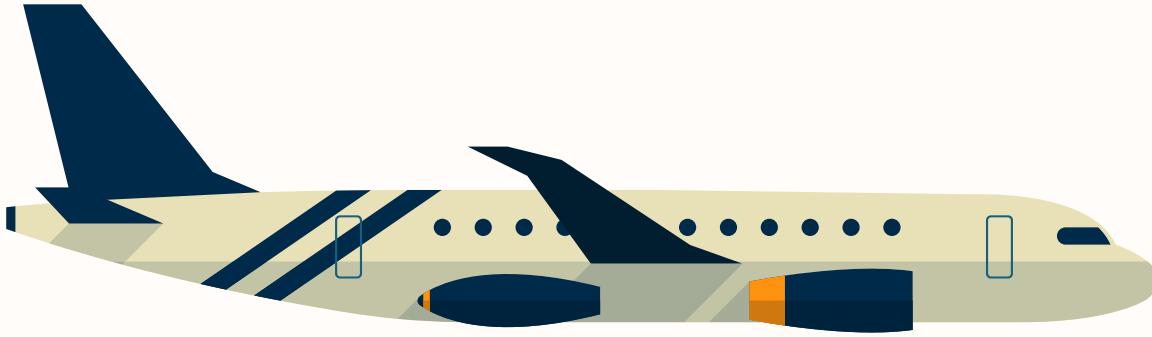




SUMMARY

- In the state of California Los Angeles County is the highest and makes up majority of the Vaccinations.
- Texas, Harris County results in the highest population and the highest vaccination rate.
- In the state of Nevada Clark County is the largest and accounts for majority of the vaccines.





Conclusion

What is important about understanding the findings of our data is that there are still people who have not been vaccinated. There are many ways this can impact others due to the ever changing and long-lasting effects of COVID-19. This pandemic has and will continue to be prevalent. Overall, it is important to be informed about other states pertaining to the COVID-19 virus due to frequent travel and working throughout the US.



QUESTIONS?



STAY
SAFE

