





We're focusing on US Immigration over 15 years from 8 countries specifically:

 China, Dominican Republic, United Kingdom, Mexico, Iran, India, Pakistan and Philippines

From those countries:

- How many people are migrating to the US?
- Which state are they settling to?









DID YOU KNOW?

- * Almost 20% of the world's migrants live in the United States
- There are 45.3 million immigrants in the United States as of 2021
- * That's 13.6% of the total U.S. population, just below the 13.7% high in 2019.
- * People from Mexico, China, and India are the largest US immigrant groups
- * About 51% of all U.S. immigrants were female in 2021
- * 18 million out of 69.7 million U.S. children under the age of 18 lived with at least one immigrant parent in 2021









WHAT IS OUR GOAL?

We're trying to predict how many immigrants from our chosen countries are becoming permanent residents in the next couple years and which state they're residing in

So for example: ~10,000 people from China are migrating to California in 2024

And we'll do this for each of our 8 countries, for all 50 states.









DEPARTMENT OF HOMELAND SECURITY

US Immigration data for the last 15 years

US CENSUS BUREAU

US State and demographic data

WORLD BANK GROUP

Data for our 8 countries, like their GDP

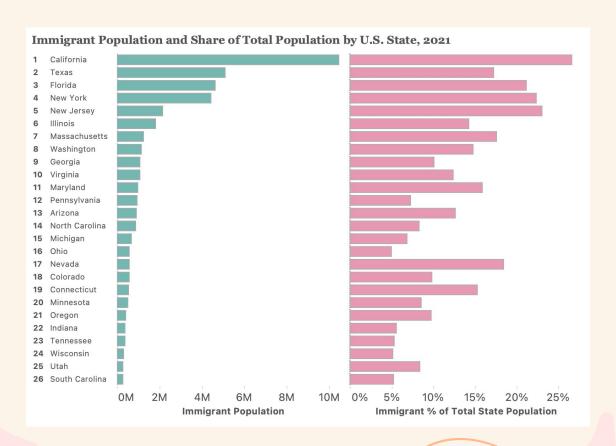




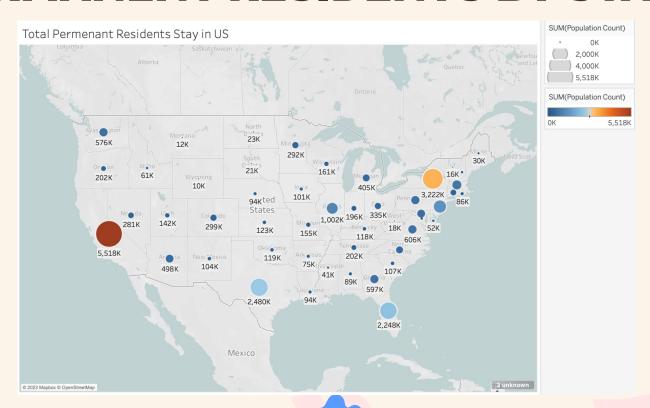




IMMIGRANT POPULATION BY STATE

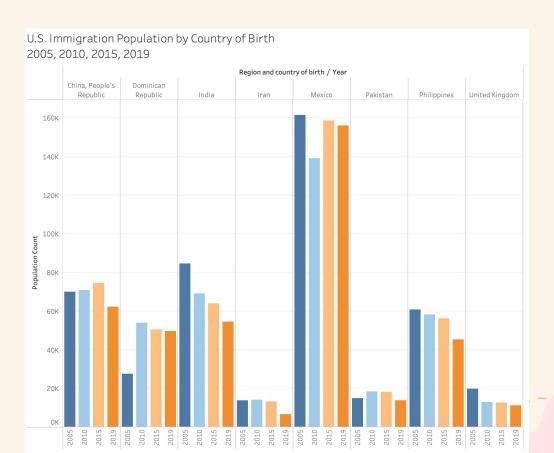


PERMANENT RESIDENTS BY STATE



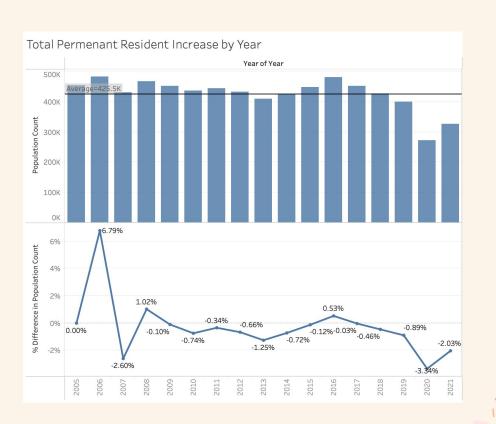


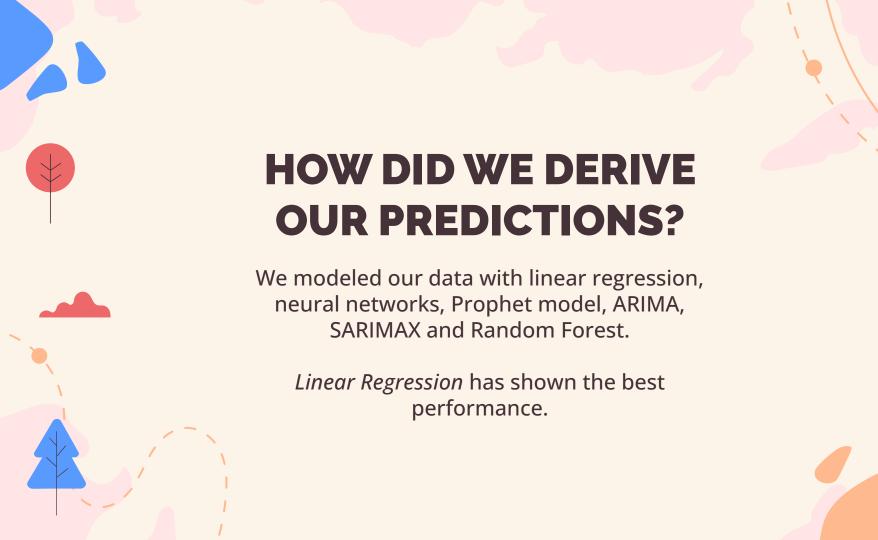
IMMIGRANT POPULATION BY COUNTRY





US PERMANENT RESIDENT RATE

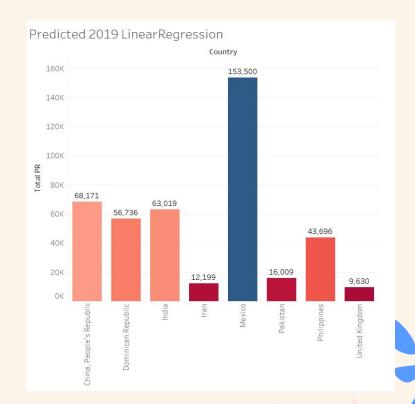






LINEAR REGRESSION OUTCOMES







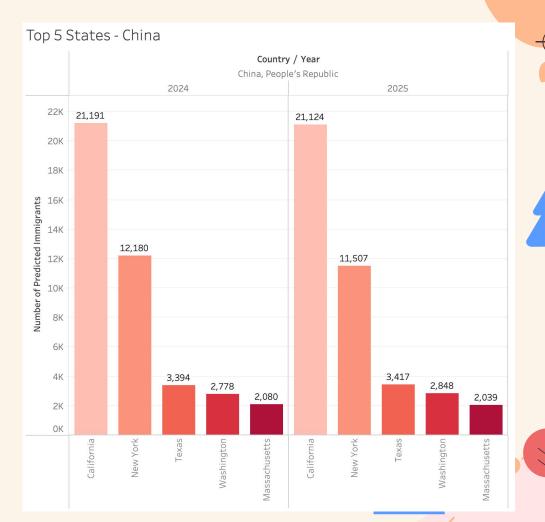
	Linear Regression	Prophet	ARIMA	Random Forest	SARIMAX	Neural Networks
Data 2019	2149	2149	2149	2149	2149	2149
Predicted 2019	2100	1865	2355	2009	2472	2364
MAE	100.88	283	293.36	209.19	189.47	88.44
MAPE	4.16%	13.19%	12.28%	8.17%	7.84%	3.65%
MSE	15330	80441.70	87125.83	61996.11	38219.18	14287.38
RMSE	120	283	295	248.99	195.49	119.53
CVRMSE	5.13%	13.19%	12.24%	10.17%	8.10%	4.96%





Predictions for immigrants from China in 2024 and

2025

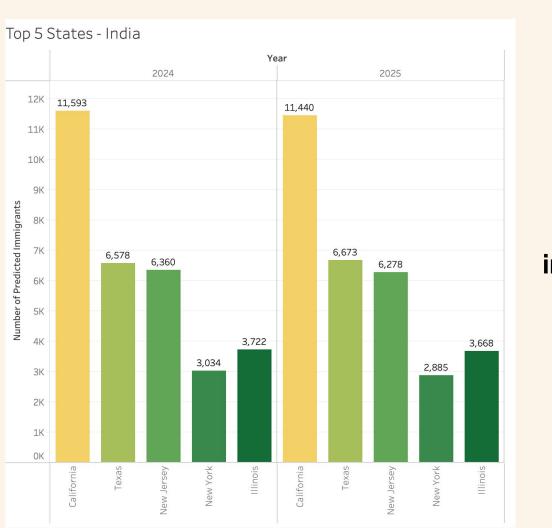




Predictions for immigrants from Dominican Republic in 2024 and 2025







Predictions for immigrants from India in 2024 and 2025



Predictions for immigrants from Iran in 2024 and 2025

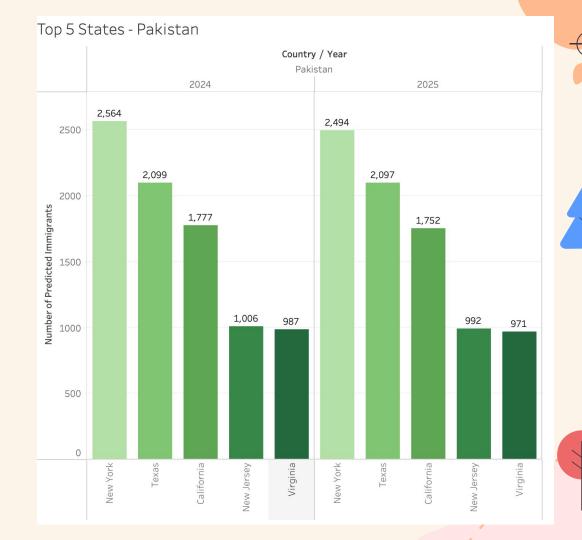
Predictions for immigrants from Mexico in 2024

and 2025





Predictions for immigrants from Pakistan in 2024 and 2025





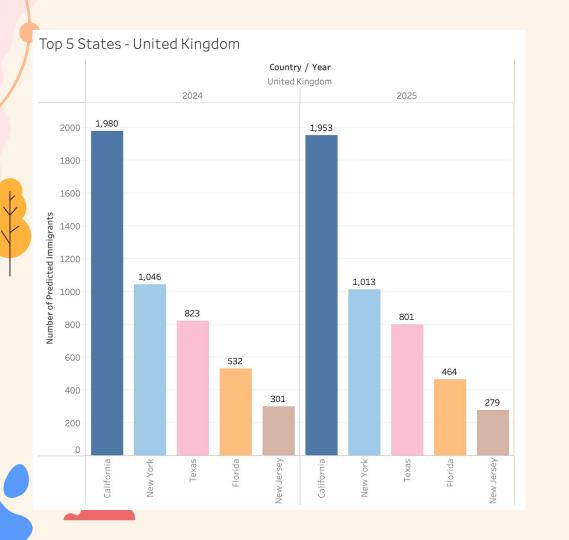






















- From our 8 countries, the top 5 states vary slightly with California, New York,
 New Jersey and Texas almost always being present.
- For the same 4 states above, immigrants make up more than 20% of their state population.
- Based on our predicted data, we can see that there will be an increase of Chinese and Indian immigrants from their previous years – majority of both settling in California.
- We're also predicting that the number of Iranian, Filipino, Mexican and British immigrants will stay roughly the same as their previous years.
- Pakistani immigrants, in contrast, are the only group we predict will decrease in its number.











