Health and Chronic Disease Indicators Visualization Dashboard

Project 3:
Data Visualization Track

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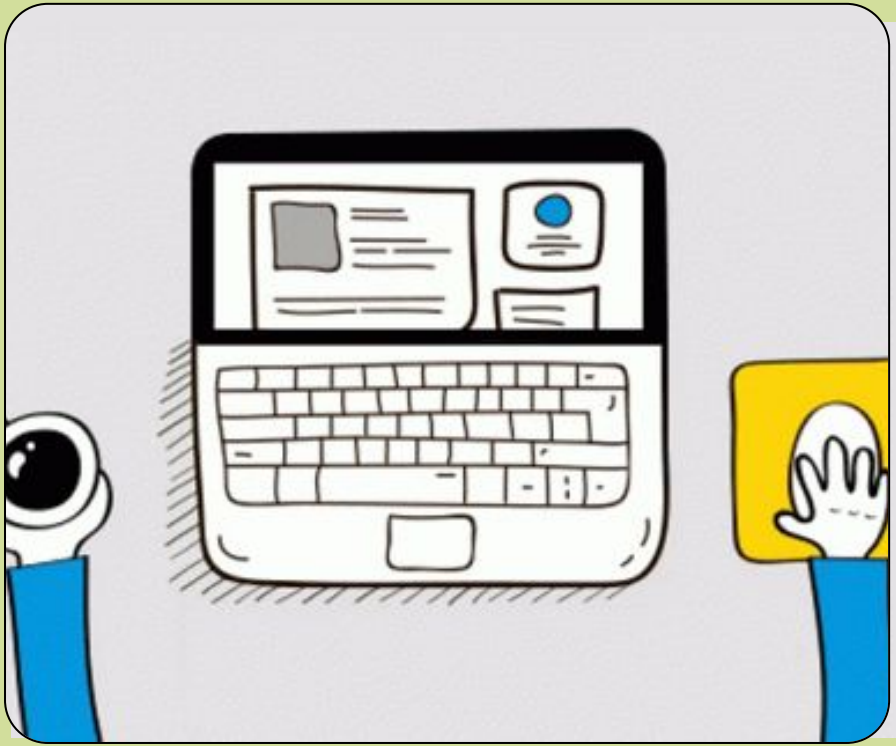
INTRODUCTION

Project Goals:

- Exploring trends and disparities in physical activity, obesity, and chronic disease across U.S. states
- Dashboard for informed public health decisions and understanding regional health trends using Maps and Charts

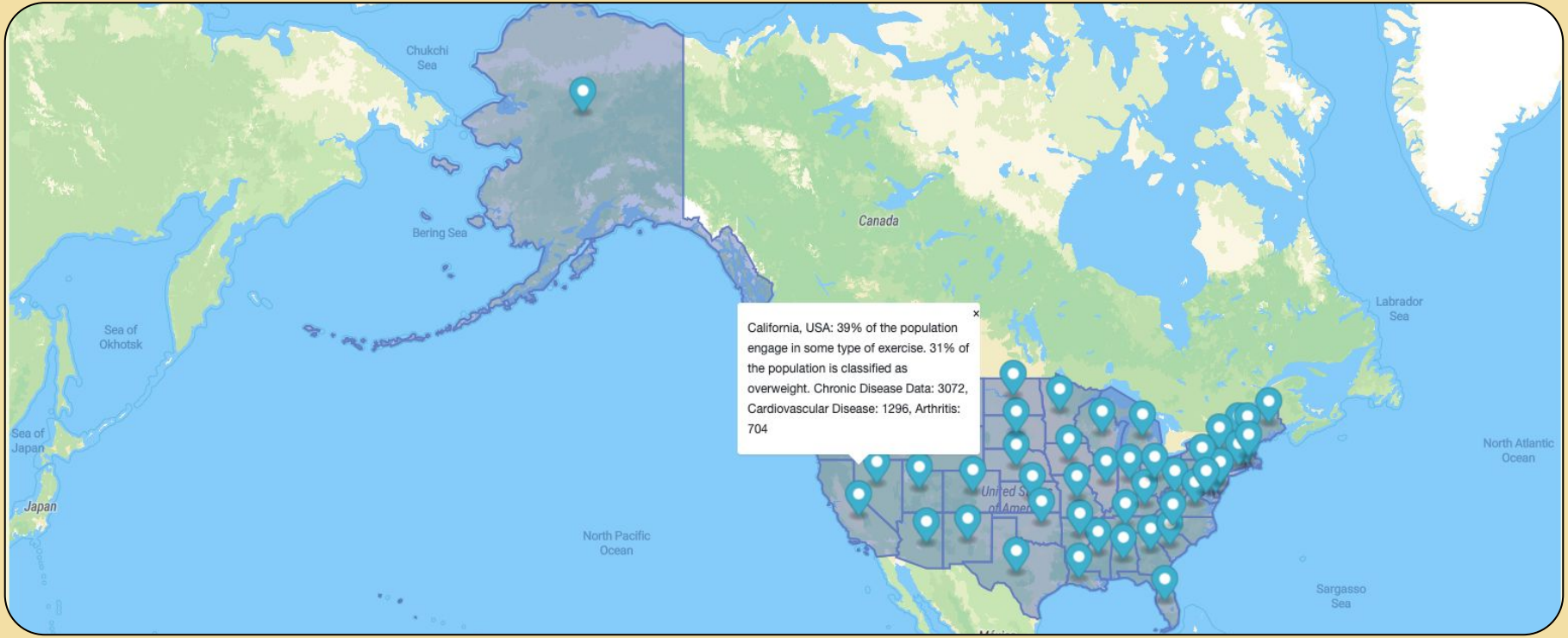


Data Sourcing & Tech Stack

CDC	Data.gov: Nutrition, Physical Activity, and Obesity Dataset
HHS	Data.gov: U.S. Chronic Disease Indicators Dataset
MongoDB	Database Storage, Data Cleaning and convert to JSON
Language	Python: Data Cleaning & Javascript and HTML: to create the webpage and server
Libraries	New: Maplibre (Map Visualization) & Chart.js (interactive charts)

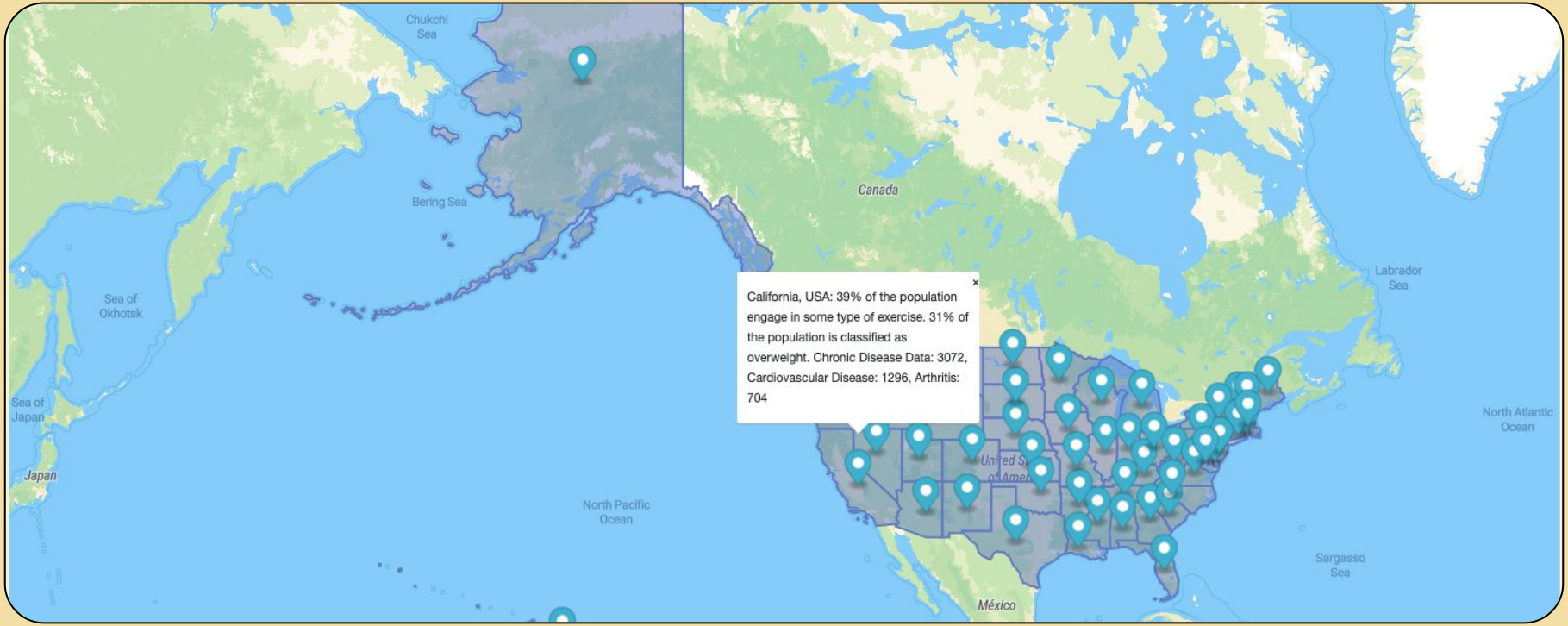
Miguel

Map Demo: Physical Activity & Obesity Statistics



Daniel

Map Demo: Chronic Disease Indicators

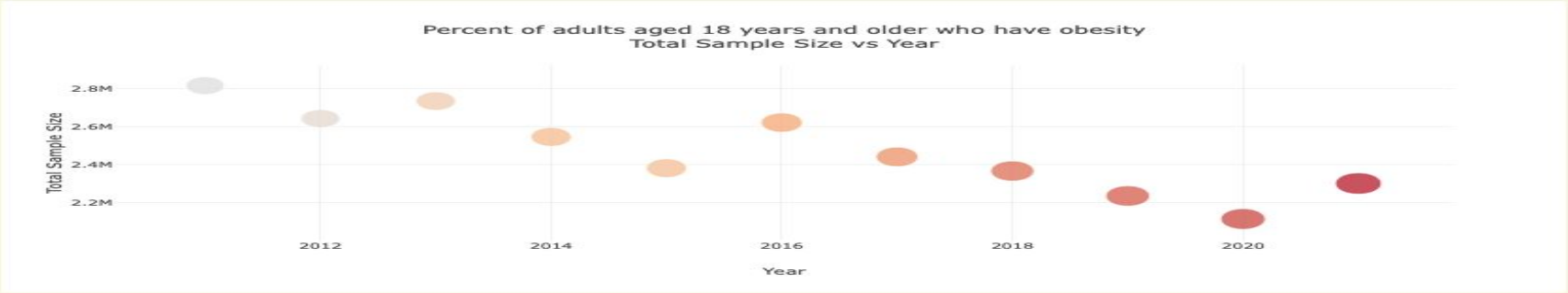


Anh

Bar Chart Demo: Health Statistics based on Survey Data

Select State: National

Select Question: Percent of adults aged 18 years and older who have obesity



Kathy

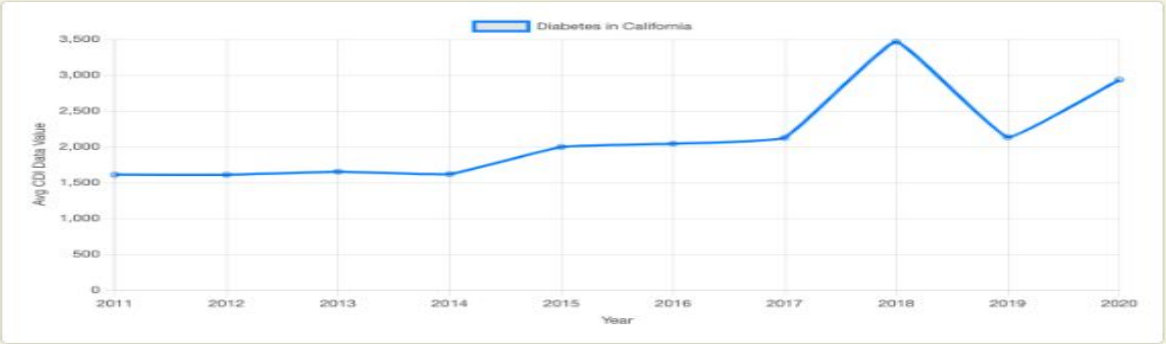
Trend Line Chart Demo: Chronic Disease Indicators

Select State:

California

Select Topic:

Diabetes

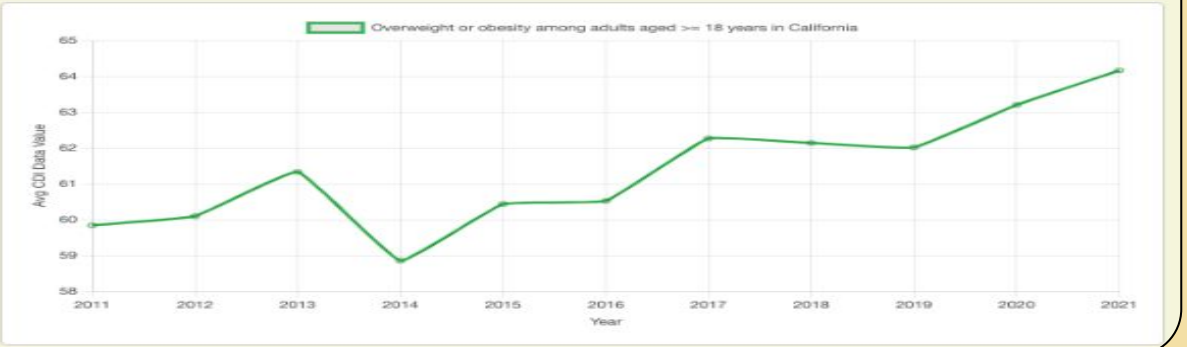


Select State:

California

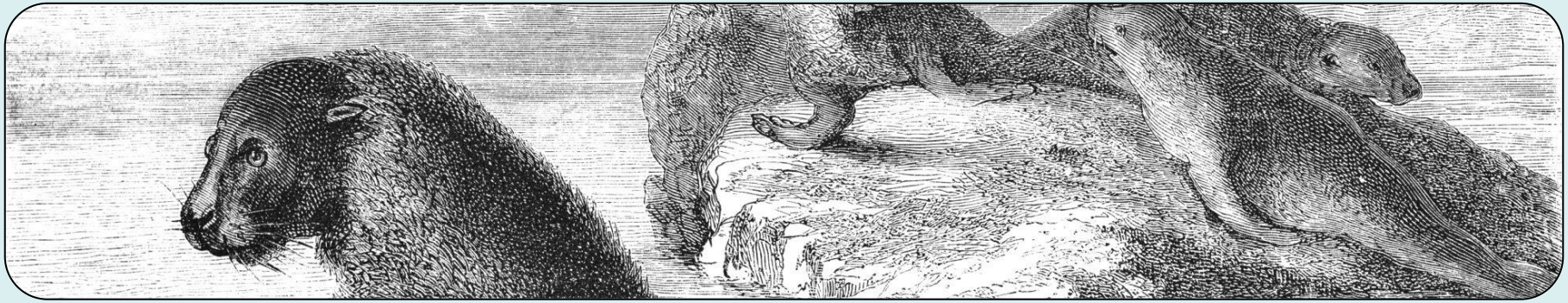
Select Question:

Overweight or obesity among adults aged >= 18 ye

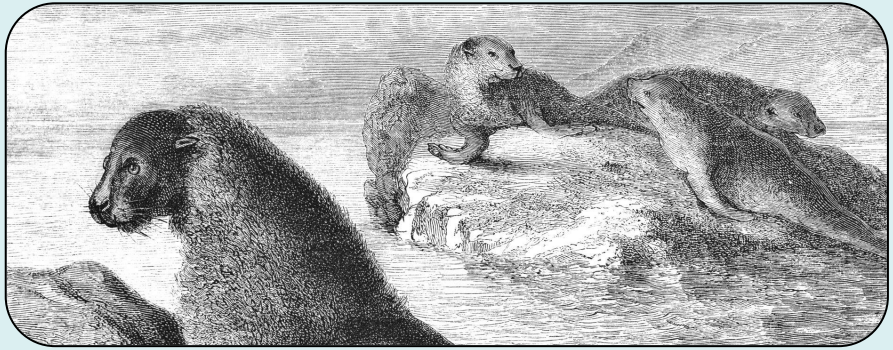


Conclusion

- Interactive 3-page dashboard: Map overview, survey data visualizations, and chronic disease insights.
- The homepage map allows users to explore state-level health stats and chronic disease indicators.
- Potential tool to inform public health decisions and promote healthier lifestyles.



THANK YOU



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