Team Spring Break

SoCal R Hackathon 2022



- Bijean Ghafouri
- Chung-En Chueh (Sammi)
- Gavin Hernandez
- Hari Haran Arulmozhi
- Vicky Rao



Problem Statement

Identify best cities in California to raise a family based on specific preferences



Data Sources

- US Census data City-Data.Com
- School Digger FBI.Gov
- Google Public Datasets



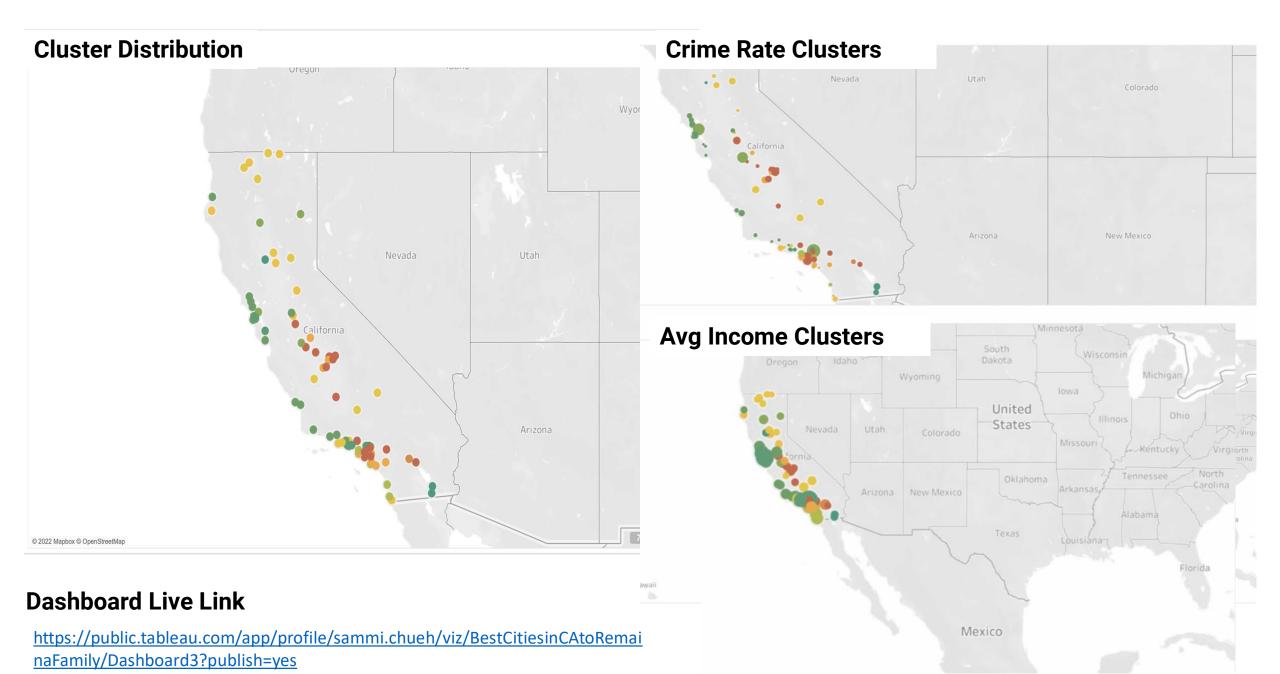
Algorithms Used

K-Means Clustering



Solution Approach

- Feature identification
 - Data Collection & Preparation (City level)
- Cluster the data based on features of interest
- Identify and analyze clusters
- Associate clusters based on preference of a persona



Schooling, Outdoor

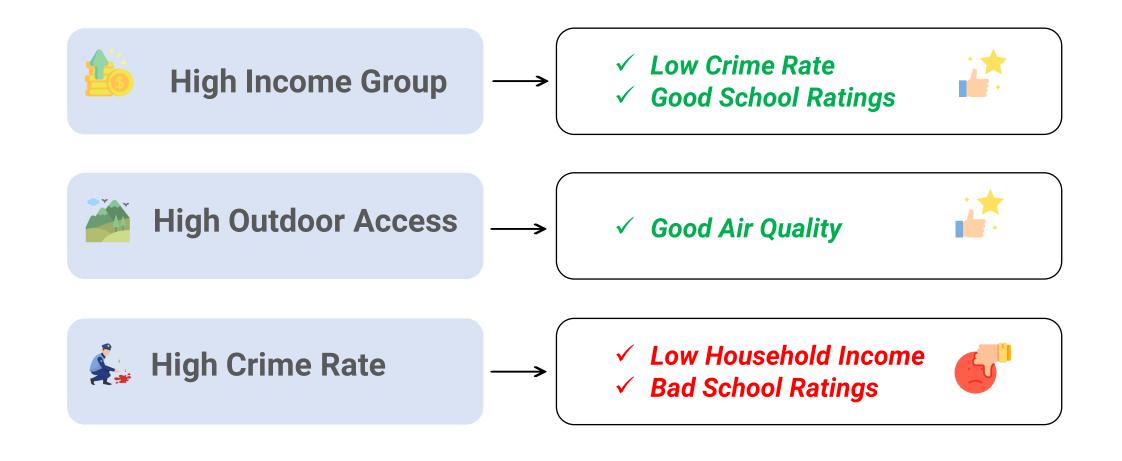
Preferences Cities to Consider Cities Not Recommended Stockton Saratoga Los Altos Susanville Safety Cupertino **Barstow** Yuba City Sonora Concord **Hospital Beds** 2. Rancho Mirage Oxnard Cupertino **Baldwin Park Schooling Foster City** Inglewood Los Altos South Gate Hesperia Roseville **Outdoor Activities** lone South San Elk Grove (Parks, beach access and air quality) **Daly City** Stockton **Newport Beach** Safety, Hospital Beds, Susanville

Walnut Creek

Encinitas

Barstow

Interesting Observations



Thank You All!! We Had a Great Time.

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