

# Cafe in California

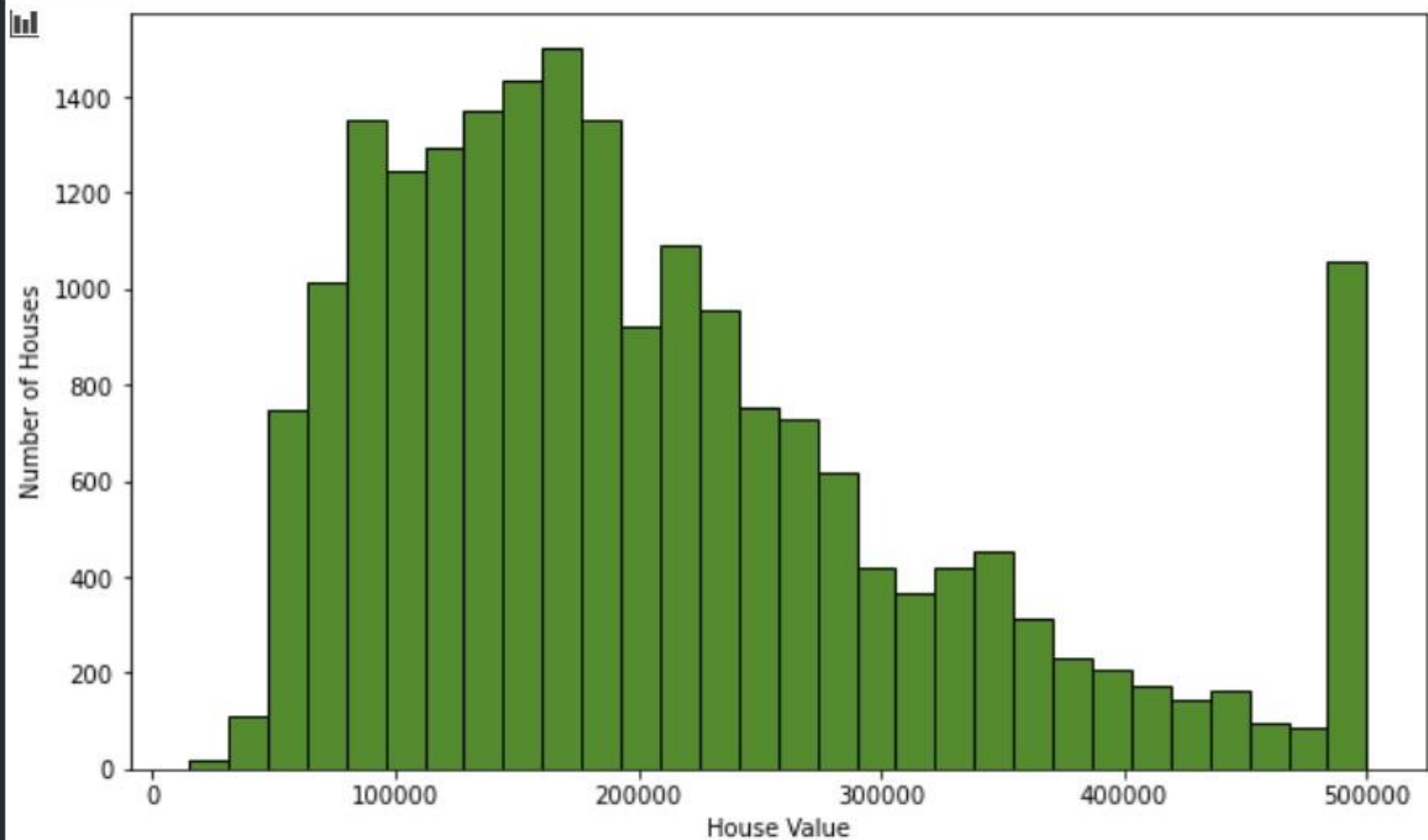
Sai Thiha Zaw

# California is ...

- Popular place for innovation and startup.
- 41 million population.
- Consume coffee daily.

	longitude	latitude	population	median_income	median_house_value
count	20640.000000	20640.000000	20640.000000	20640.000000	20640.000000
mean	-119.569704	35.631861	1425.476744	3.870671	206855.816909
std	2.003532	2.135952	1132.462122	1.899822	115395.615874
min	-124.350000	32.540000	3.000000	0.499900	14999.000000
25%	-121.800000	33.930000	787.000000	2.563400	119600.000000
50%	-118.490000	34.260000	1166.000000	3.534800	179700.000000
75%	-118.010000	37.710000	1725.000000	4.743250	264725.000000
max	-114.310000	41.950000	35682.000000	15.000100	500001.000000

Room rental charges may be around 17000 per year

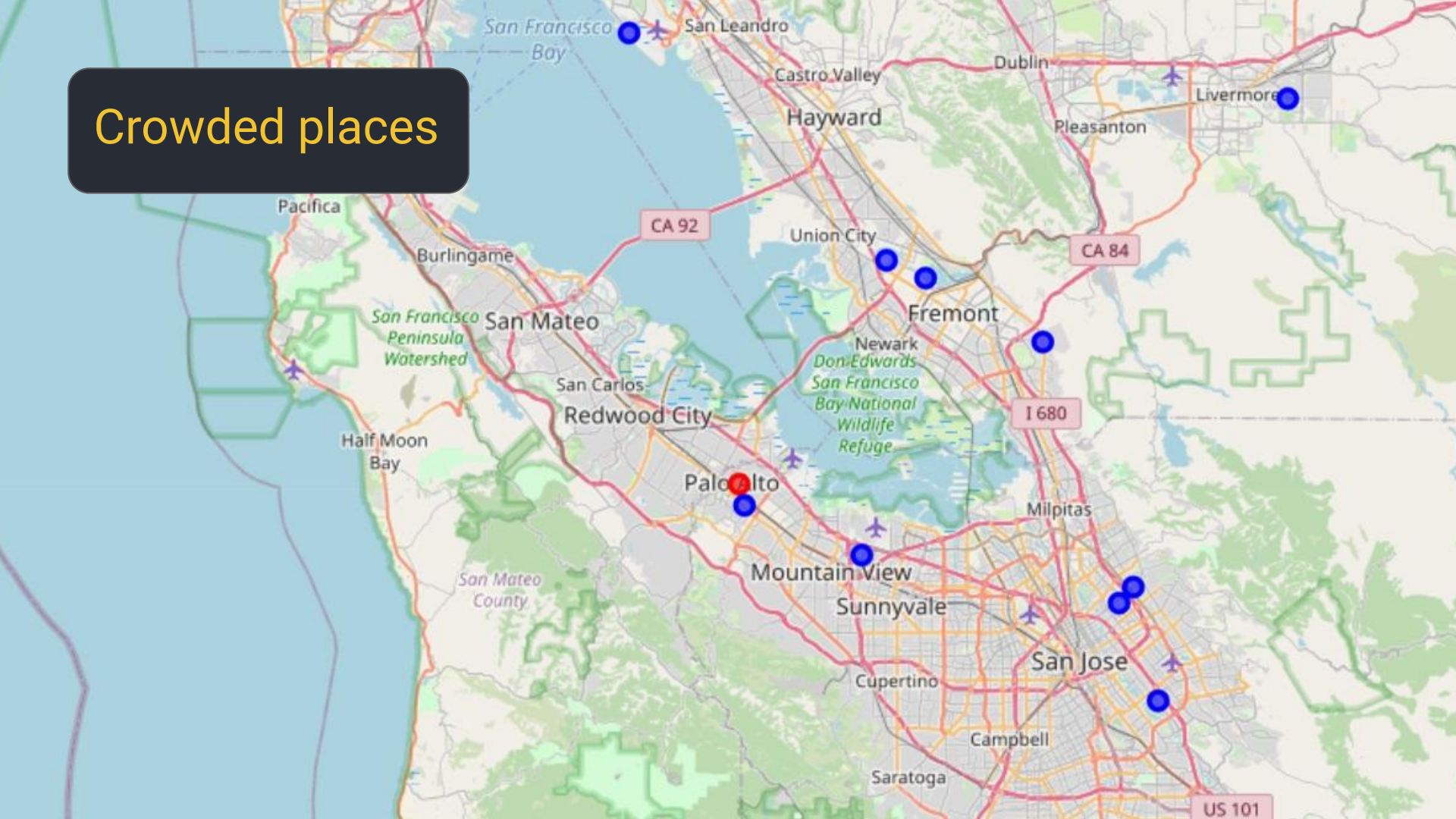


popular coffee shops and  
nearby cafes  
using the Foursquare API

Peet's Coffee & Tea  
Philz Coffee  
Blue Bottle Coffee  
WFM Coffee Bar  
Peet's Coffee & Tea  
Peet's Coffee & Tea  
Verve Coffee  
JM Coffee  
Espresso Bettola Coffee House  
Da Coffee Spot  
good coffee  
Starbucks

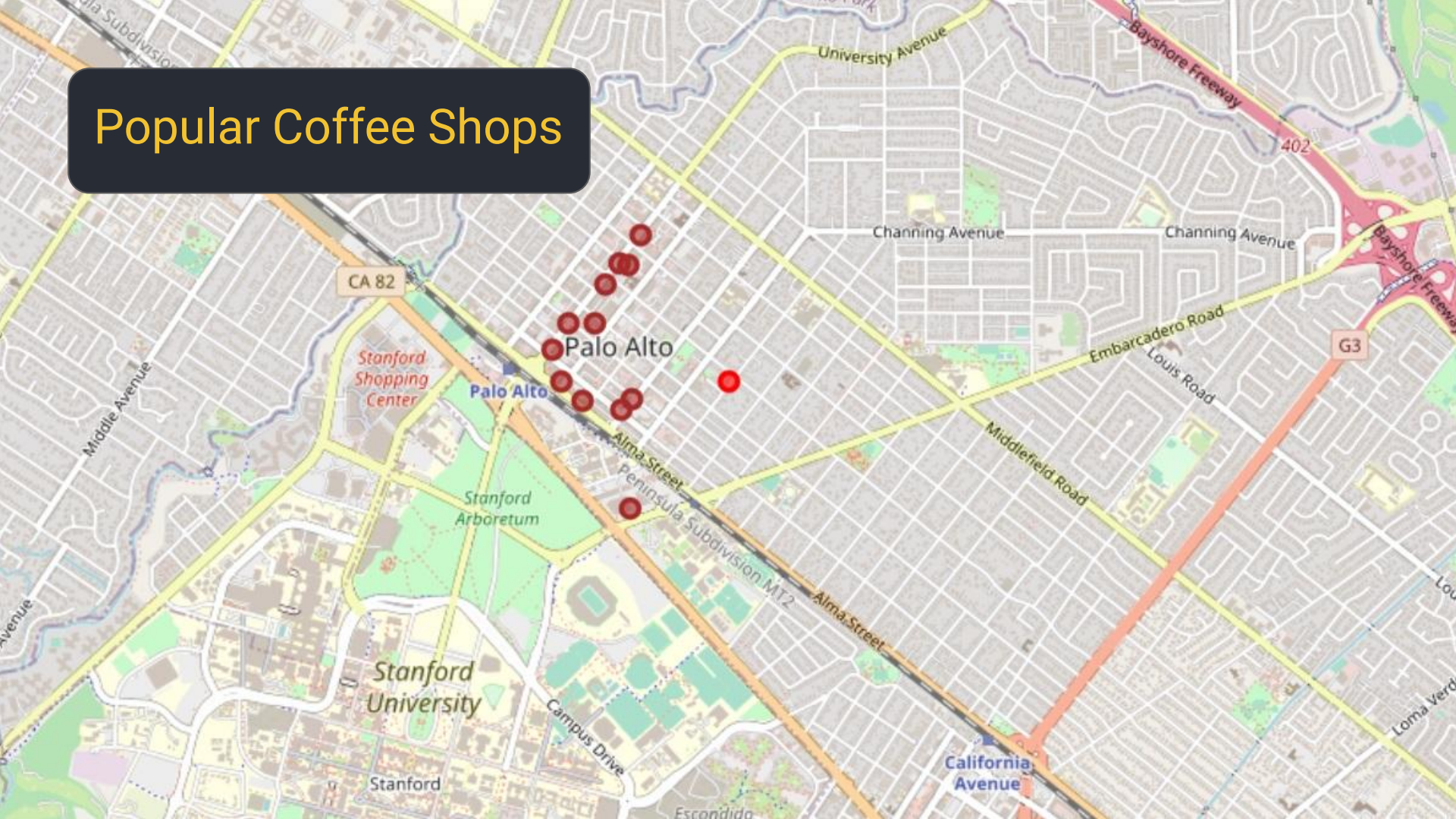
9.1

## Crowded places





# Popular Coffee Shops



# Top Five Neighborhood

	Name	Neighborhood	Latitude	Longitude
0	HP Garage	Historic Site	37.442889	-122.154577
1	Heritage Park	Park	37.444075	-122.157028
2	Taverna	Greek Restaurant	37.442301	-122.159034
3	uforia studios	Gym / Fitness Center	37.442819	-122.158030
4	Watercourse Way	Spa	37.441199	-122.158527



## Unique categories

Historic Site

Park

Greek Restaurant

Gym / Fitness Center

Spa

Grocery Store

Diner

American Restaurant

Hotel

Spa

Construction & Landscaping

Elementary School

Antique Shop

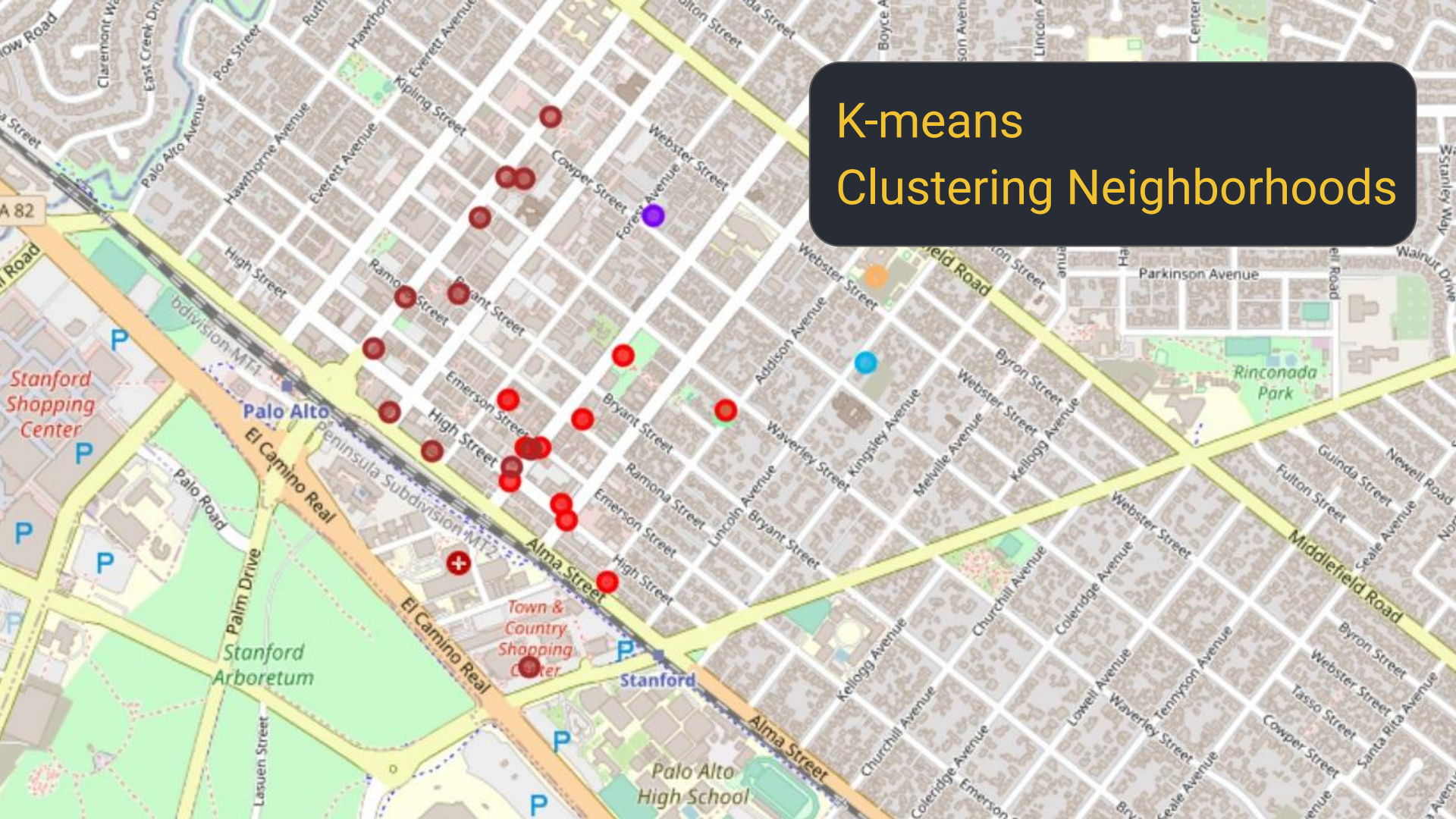


## Top Five Neighborhood and Most Common Venue

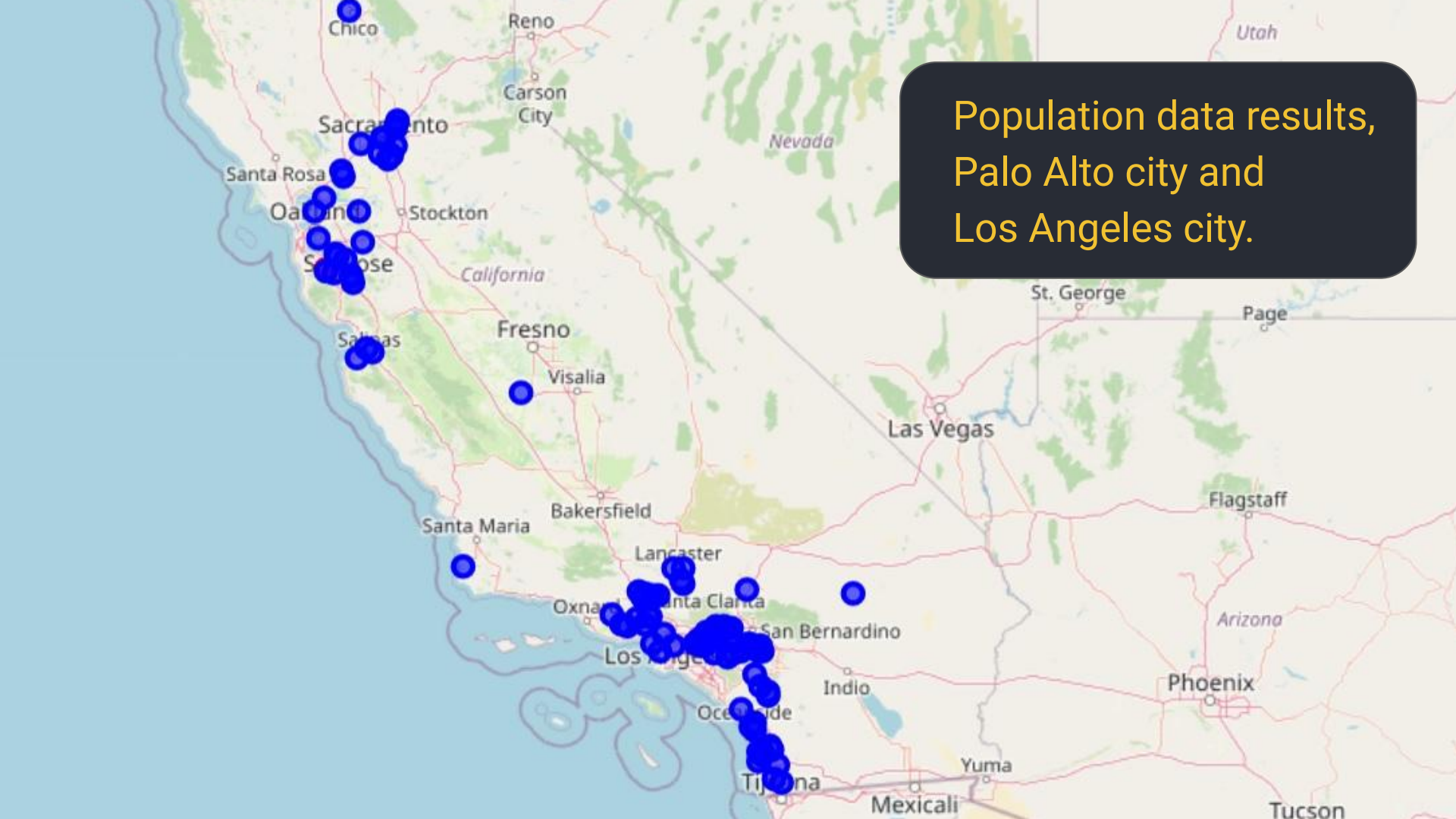
	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue
0	American Restaurant	Café	Spa	Ice Cream Shop	Gym / Fitness Center	Coffee Shop	Yoga Studio	French Restaurant
1	Antique Shop	Coffee Shop	Spa	Pizza Place	Burger Joint	Grocery Store	Gym / Fitness Center	Park
2	Construction & Landscaping	Theater	Historic Site	Intersection	Park	Nightlife Spot	Campground	Elementary School
3	Diner	Coffee Shop	Café	Spa	Juice Bar	Gym / Fitness Center	Hotel	Burger Joint
4	Elementary School	Theater	Hotel	Campground	Historic Site	Home Service	Women's Store	Intersection



# K-means Clustering Neighborhoods



Population data results,  
Palo Alto city and  
Los Angeles city.





Thank you