

A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with diagonal stripes.

Place To Rent IN Los Angeles.

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Introduction

Los Angeles, the largest city of California, and one of the most populous city in the U.S.

Demands for finding a place to settle down is essential.

The idea of comes from a process of a person try to figure out a place to rent after moving from another city or even from a different country



Target:

- Students who attend at any Universities in Los Angeles county.
- Tenants who try to find a new place to rent.
- Business looking for a place to rent
- Tourist
- Renting agents or landlords who want to optimize their renting advertisement
- And last but not lease. to this class's instructions and classmate who will grade this project.



Data Overview

- Population density
- Median value of gross rent prices in an area
- The geojson file of Los Angeles
- FourSquare API

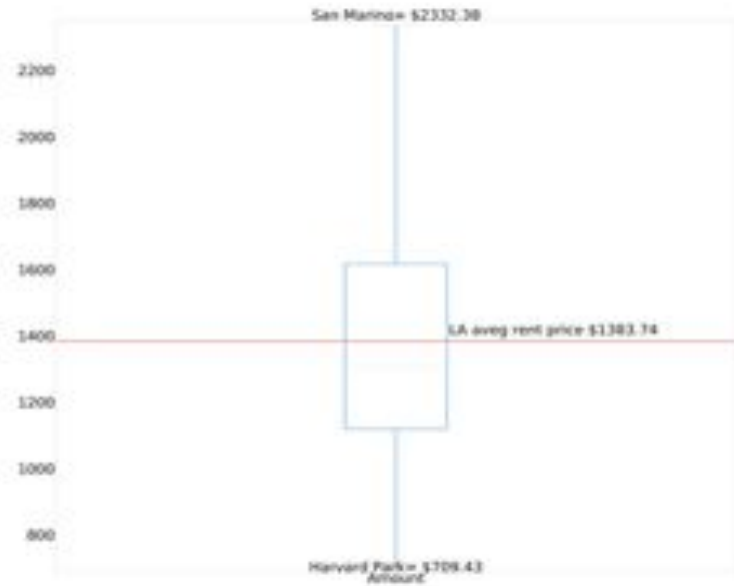


Methodology

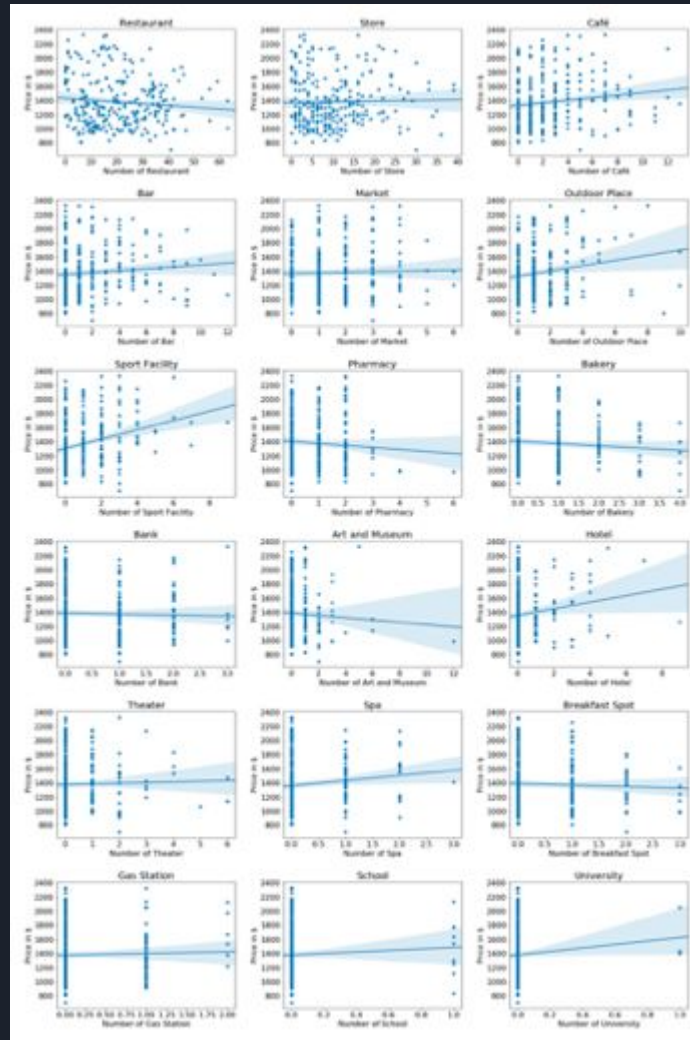
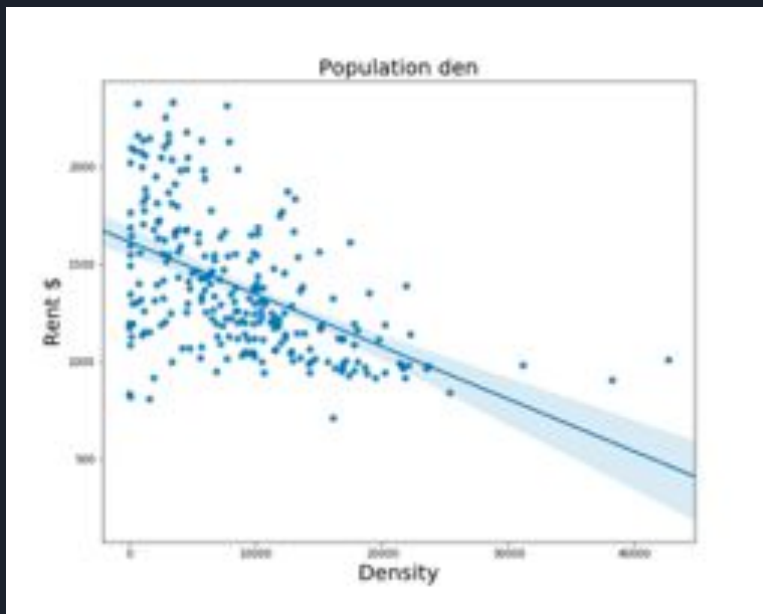
3.1.Data cleaning and and explore analysis

	Neighborhood	Amount	Population per Sqmi	Latitude	Longitude
0	Acton	1647.50	166	34.468150	-118.195130
1	Adams-Normandie	920.74	21848	34.078090	-118.301200
2	Agoura Hills	2052.50	2495	34.146110	-118.778120
3	Agua Dulce	1130.20	99	34.495700	-118.326210
4	Alhambra	1205.56	11275	34.093700	-118.127270
5	Alondra Park	1667.14	7548	33.889300	-118.330610
6	Altadena	1458.32	4900	34.185560	-118.131520
7	Angeles Crest	1194.43	3	34.311589	-118.011132
8	Arcadia	1375.32	4749	34.136350	-118.038670

Average rent in Los Angeles County

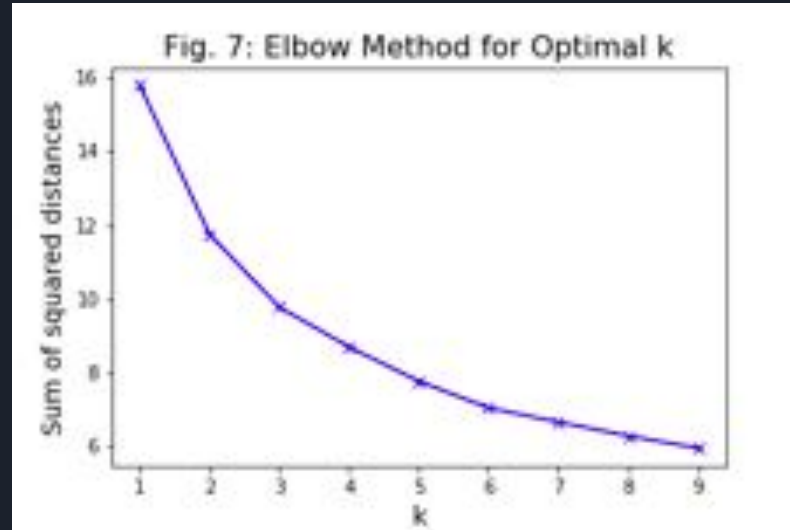


Pearson Correlation



Clustering and comparison of clusters

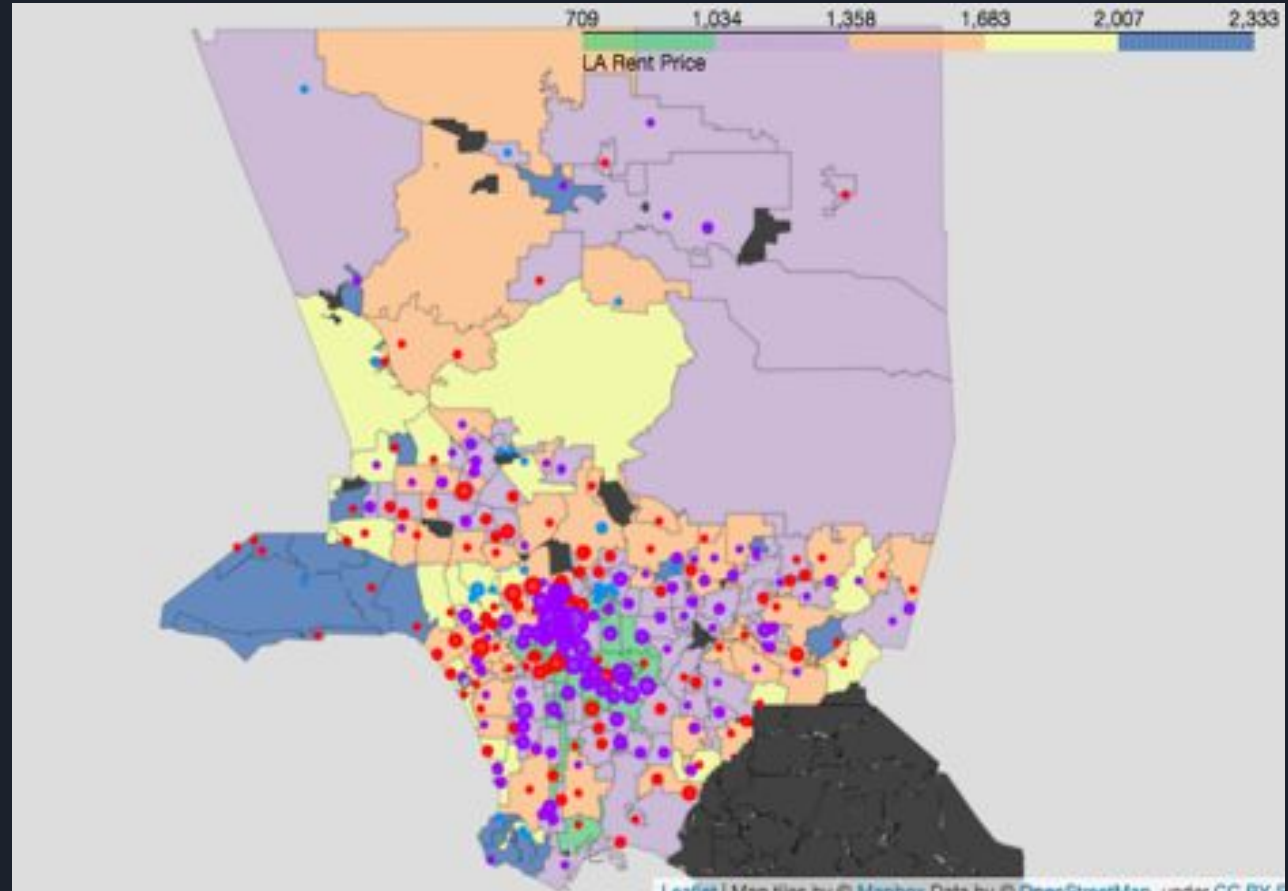
The elbow method



Cluster 0 (Red): Community that has medium population density, Coastal area, business area, average rent prices

Cluster 1 (Violet): Community that has big population density, most counts, business area, less expensive area

Cluster 2 (Blue): Community that has smallest population density, less count, more expensive area, more outdoor places





Conclusion.

Unfortunately, we could not find the best coefficient correlation for any venues types so that we can certain use it as an reference while looking for places to rent.

Beside than the population density that we found related to the price

,The rent might also depend on many other factors such as how newly of the place, hosts, roommates, types of house and how safe the neighborhoods are.