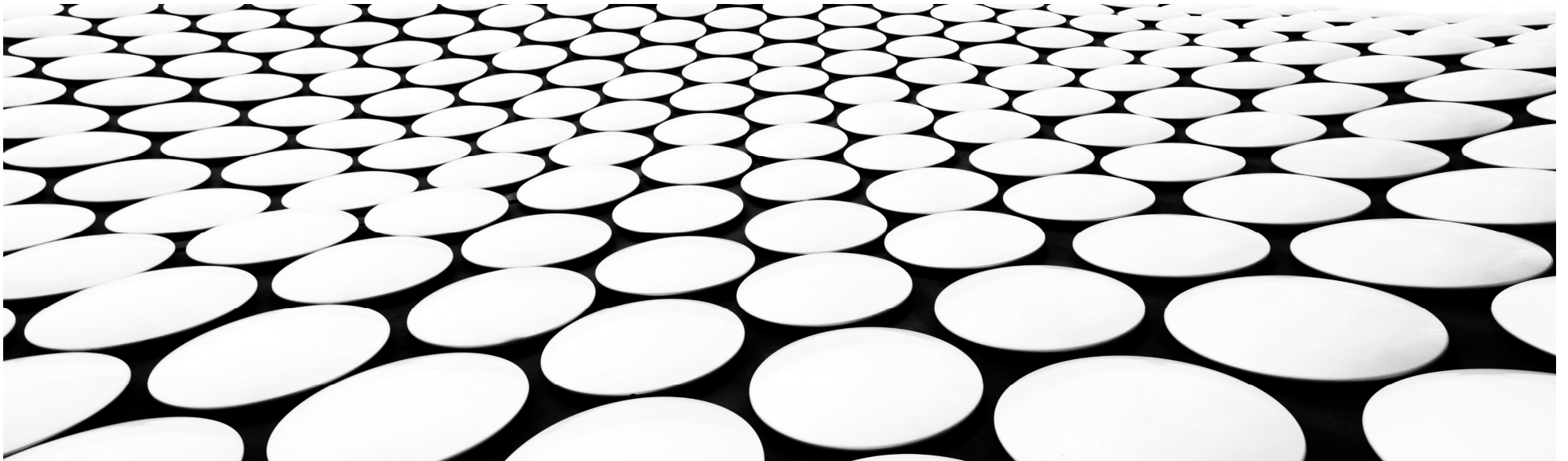


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# TOWNS WITH HEALTHY LIFESTYLE

ISHA SODHI



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## **BACKGROUND & PROBLEM**

- Real estate market is observing new demand from their customers due to the current pandemic situation
- Demand is to have a home in a town that provides options for healthy lifestyle
- People want easy access to Parks, playgrounds and farmers' market
- Real estate agents need the help of Data science for their rescue

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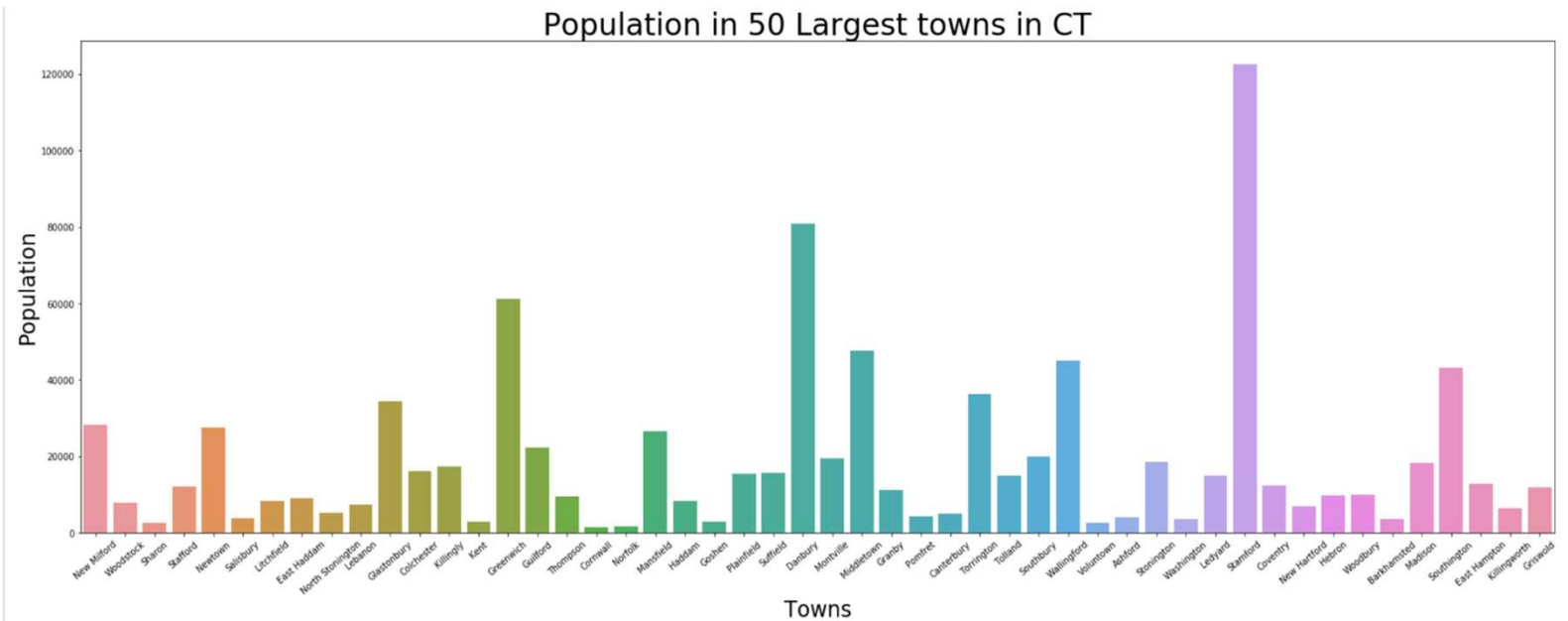
## DATA

- Raw data source: Wikipedia
- Data wrangling using Pandas
- Data source for Venue categories: Foursquare

# METHODOLOGY

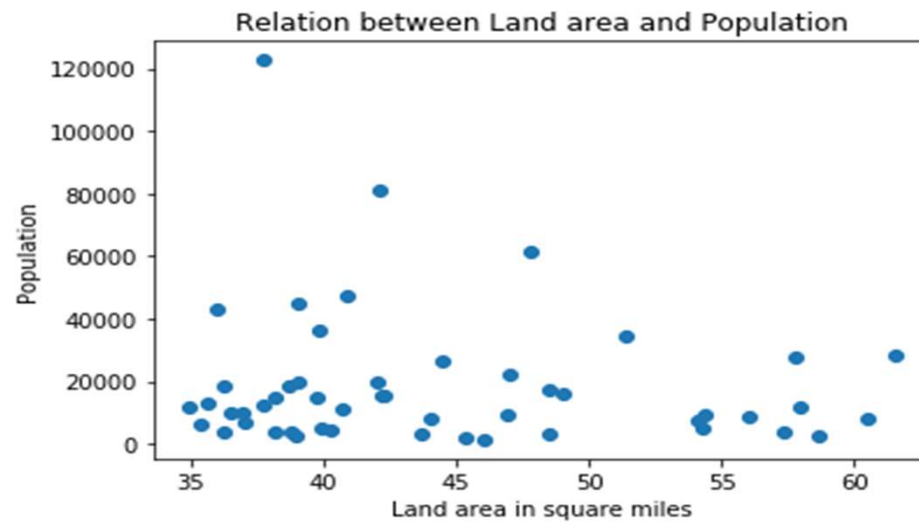
## ANALYSIS::

STAMFORD- MOST POPULATED



## ANALYSIS::

NO PARTICULAR RELATION BETWEEN LAND AREA AND POPULATION



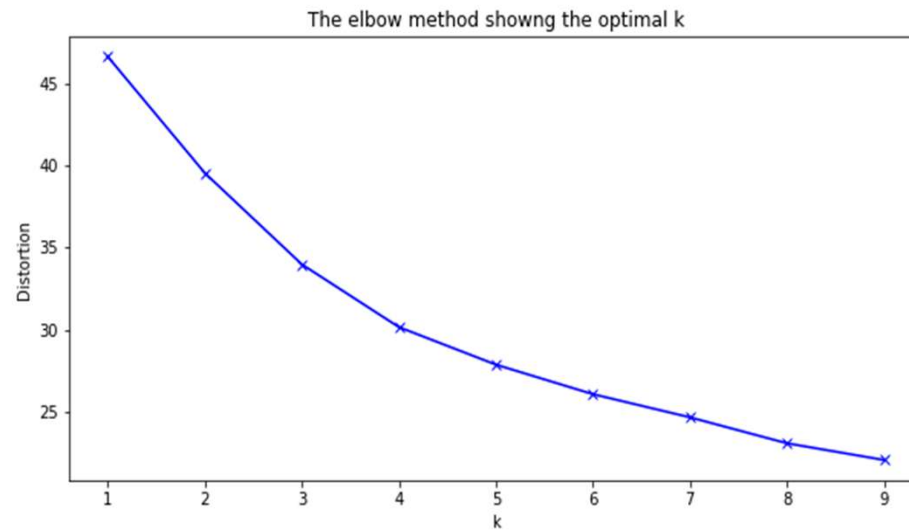
## ANALYSIS::

### TOP 10 TOWNS WITH MOST VENUE CATEGORIES OF INTEREST

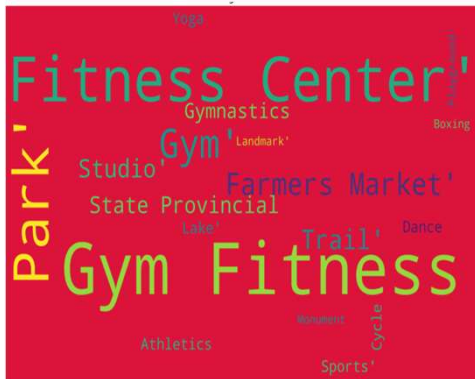
	Town	Population	Latitude	Longitude	Land area(square miles)	Venue Category
0	Avon	18098	41.81088	-72.82965	23.12	14.0
1	Bristol	60477	41.67548	-72.94652	26.51	13.0
2	Trumbull	36018	41.23495	-73.21967	23.29	12.0
3	Stamford	122643	41.05195	-73.54222	37.75	12.0
4	Hamden	60960	41.38423	-72.90161	32.78	11.0
5	Simsbury	23511	41.88046	-72.80000	33.88	10.0
6	Old Lyme	7603	41.32391	-72.33397	23.10	10.0
7	East Hartford	51252	41.76897	-72.64401	18.02	10.0
8	West Haven	55564	41.27228	-72.94998	10.84	10.0
14	Guilford	22375	41.28424	-72.68142	47.05	9.0

## ANALYSIS::

### FINDING 'K' USING ELBOW METHOD



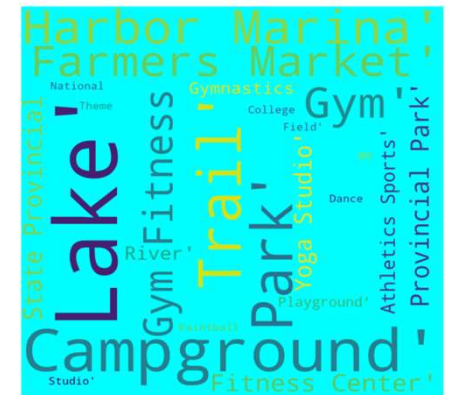
## RESULTS



Cluster0



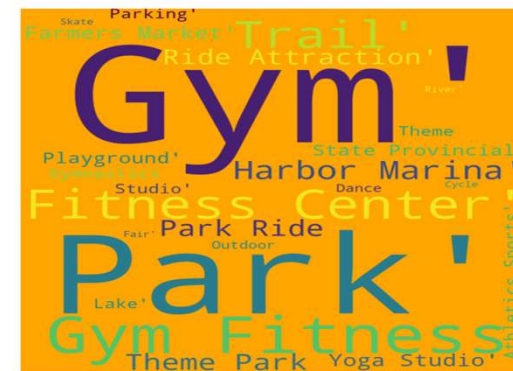
Cluster1



Cluster2



Cluster3



Cluster4



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## **CONCLUSION**

According to me, any person looking for healthy lifestyle options should choose a town from cluster4 as it has almost all the venue categories.