BEST PLACE TO OPEN NEW GOLD'S GYM

Capstone Project - The Battle of Neighborhoods



Agenda Layout



Introduction



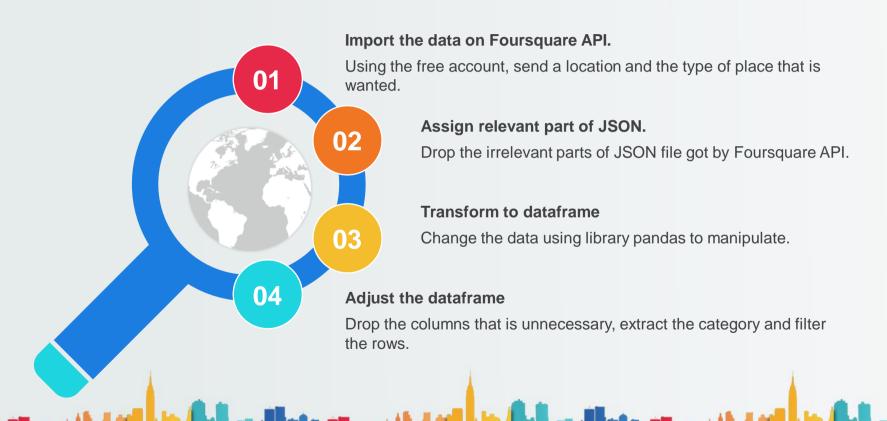
New Gold's Gym

This work want to support the decision makers to do the more accuracy chose better location for this.

What's the problem:

- Gym location is very crowded;
- Around has many concurrent;
- The neighborhood has high price;
- Risk to lose clients.

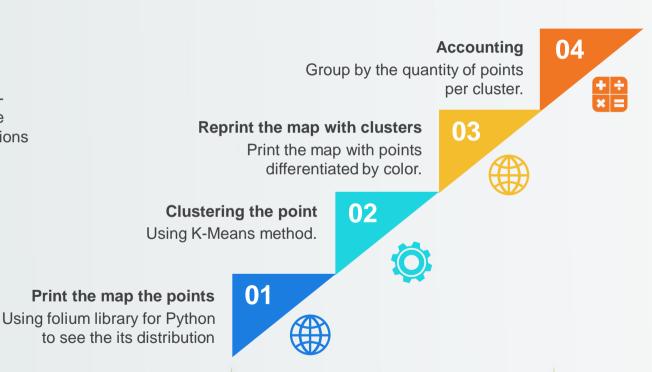
Data acquisition and cleaning



Methodology

Clustering

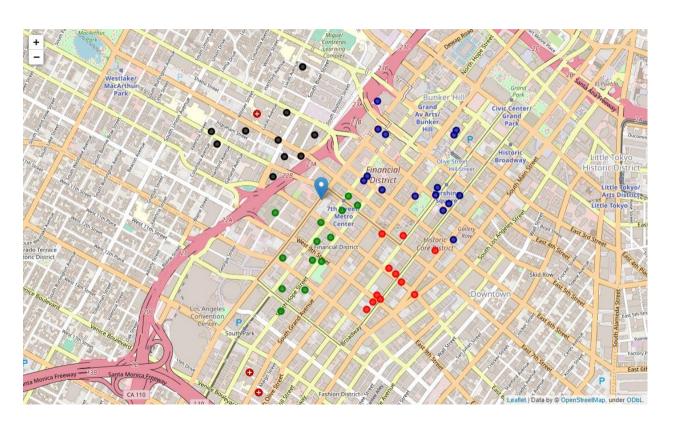
The method chosen is K-Means, because give the clusters with desired regions by location.



Map



Map with clusters





Quantity per cluster

Cluster Labels

Number of gyms

West

10

Cluster 1

South

13

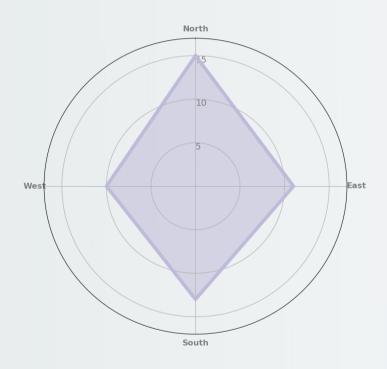
Cluster 2

East

North

15

Quantity per cluster



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Conclusion

The best location to open new gym has been shown in figure.

Figuring out the quantity of concurrent in that neighborhood.

For more accuracy is need searching the qualitative characteristic of this client, this is possible using marketing interview.





Thank you!

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