IBM Data Science Capstone Project

Exploring restaurant locations in Villeneuve d'Ascq, France

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Villeneuve d'Ascq in photos



Villeneuve d'Ascq

is a great place to live and is attractive for businesses







This project aims to explore restaurants in Villeneuve d'Ascq, cluster the neighborhoods by most popular restaurants, and find an optimal place for a future restaurant.

The results of this project will:

- Uncover the most restaurant-saturated and underserved places
- Reveal taste preferences of Villeneuve d'Ascq inhabitants
- Give some insights of where to open a new restaurant

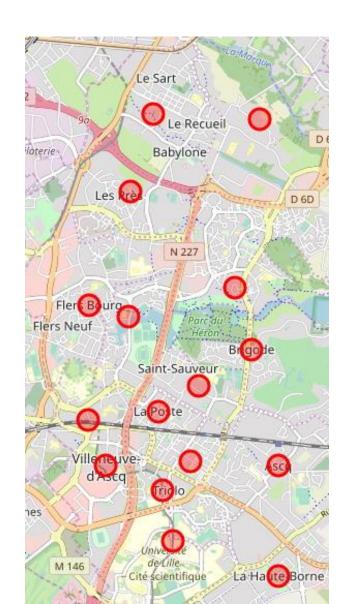
Who's it for:

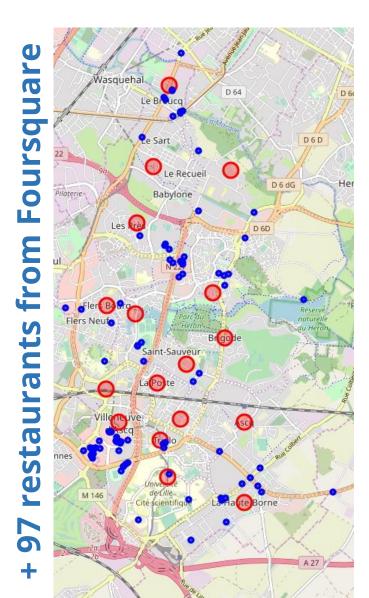
Restaurant Owners
Entrepreneurs
Investors

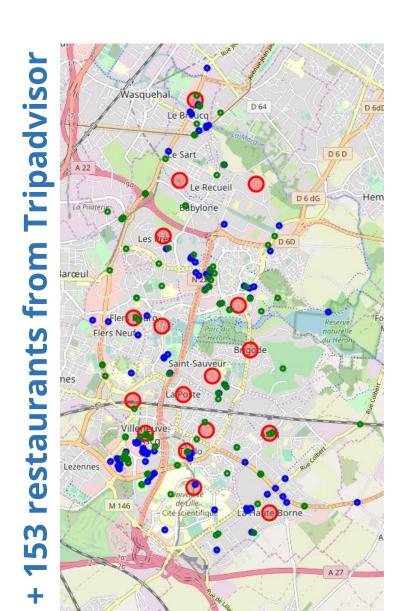
Data sources:

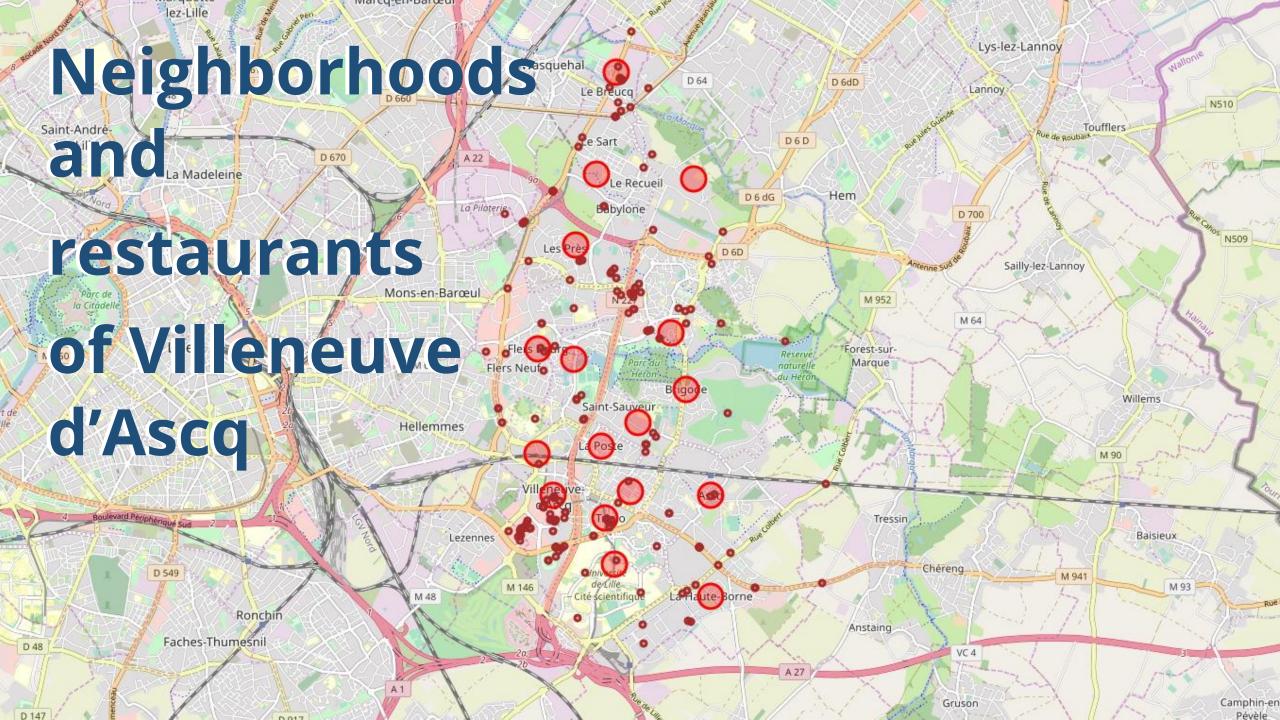
- Villeneuve d'Ascq's Wikipedia page https://fr.wikipedia.org/wiki/Villeneuve-d%27Ascq
- Various websites, including https://sig.ville.gouv.fr/, to get the number of inhabitants in each neighborhood.
- Foursquare to find food venues in each neighborhood.
- Tripadvisor to complete data from Foursquare.

Neighborhoods of Villeneuve d'Ascq





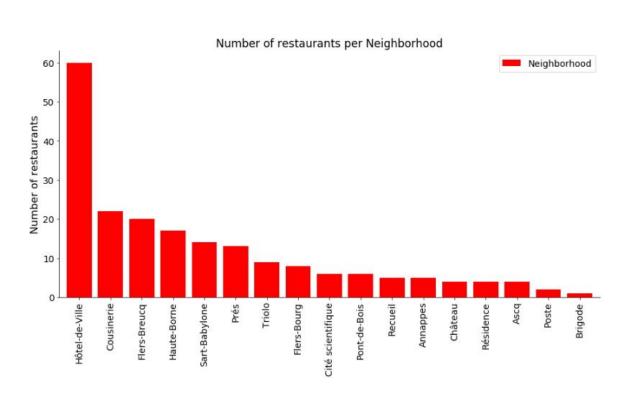


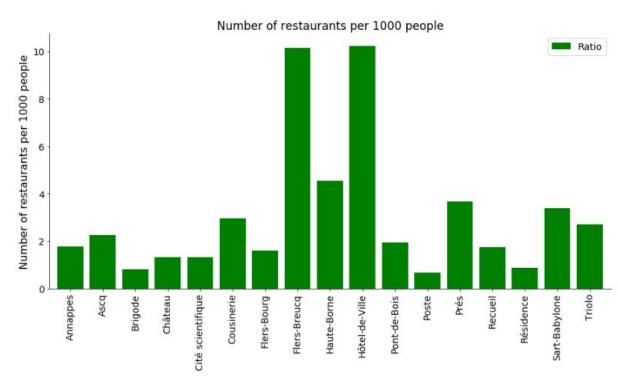


Number of restaurants per neighborhood

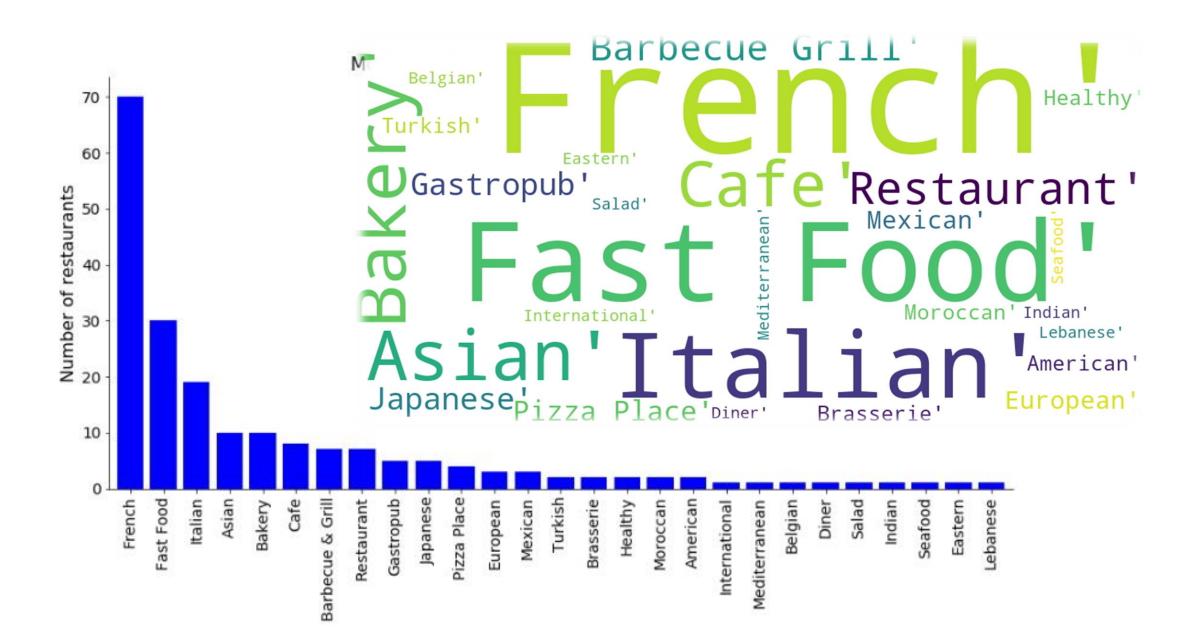
HIGH neighborhoods: Hotel-de-ville, Cousinerie, Flers-Breucq, Haute Borne

LOW neighborhoods: Brigode, Poste, Ascq

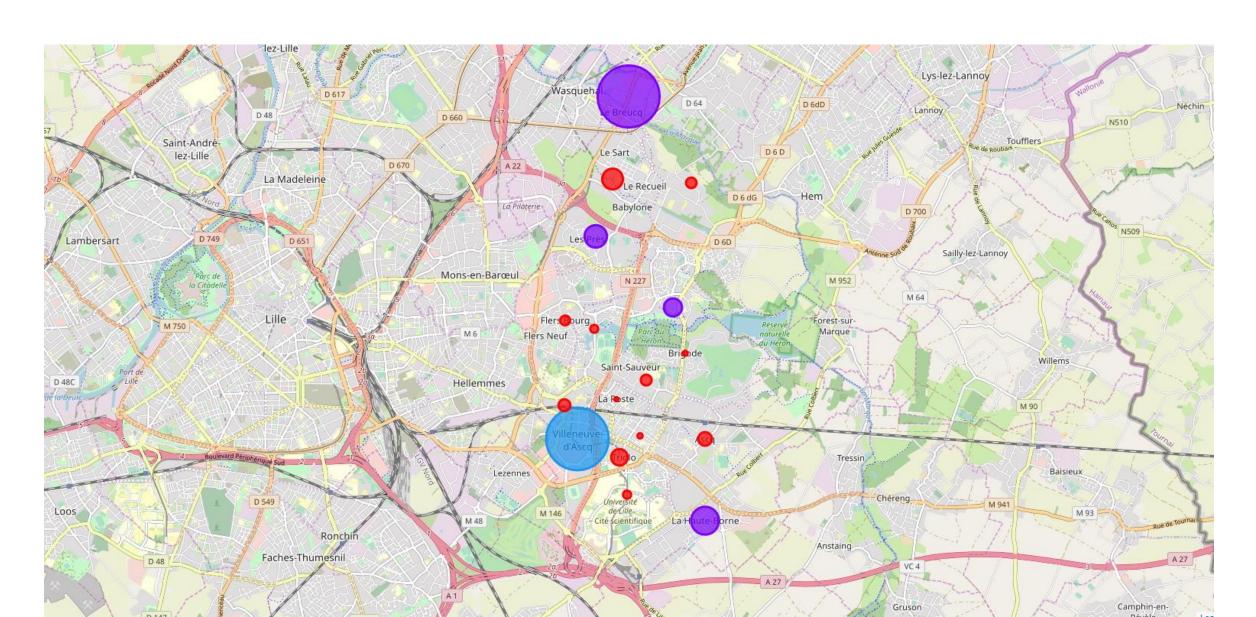




Taste preferences of Villeneuve d'Ascq inhabitants

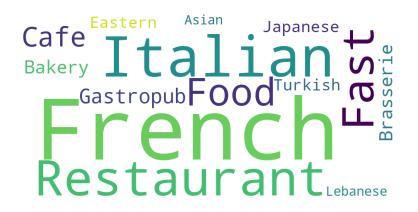


Neighborhood clustering



Neighborhood clustering

Cluster 0



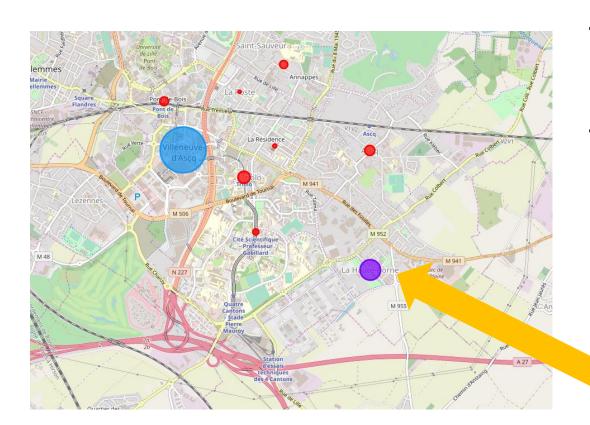
Cluster 1



Cluster 2



Conclusion



Haute Borne is a new district of Villeneuve d'Ascq, which hosts the European scientific park, which is a home for many hightech and R&D companies. Haute Borne is situated very close to the University of Lille. It is a rapidly developing district and it's a very attractive place for a new restaurant.

The Haute Borne
Neighborhood