Analysis of the neighborhoods of the City of Paris

Clustering Paris' neighborhoods to have a group by center of interest

- The decision to relocate to a new city is usually a very difficult decision to take.

- In our business case, a newly graduated New-Yorker is willing to answer to a job offer in Paris…

- … but the problem is that he was never been in Paris.

- ➔ The aim of this project is to help him to explore Paris' neighborhoods and to choose a neighborhood for relocation.
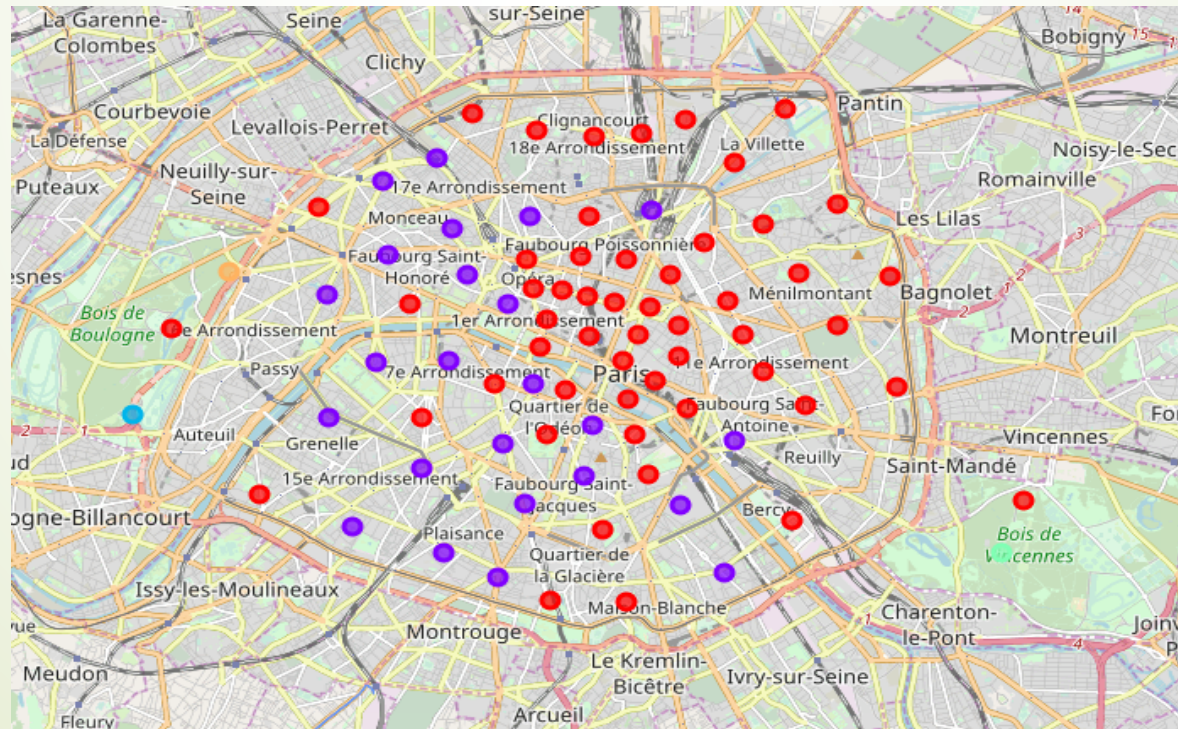
Data acquisition, cleaning and processing

- Paris neighborhoods name and geographical locations are scraped from https://opendata.paris.fr/explore/dataset/quartier_paris

  - Cleaned data contain 80 neighborhoods.

- Venues data set is extracted from Foursquare.

- Manhattan neighborhoods data are taken from Module 3 analysis
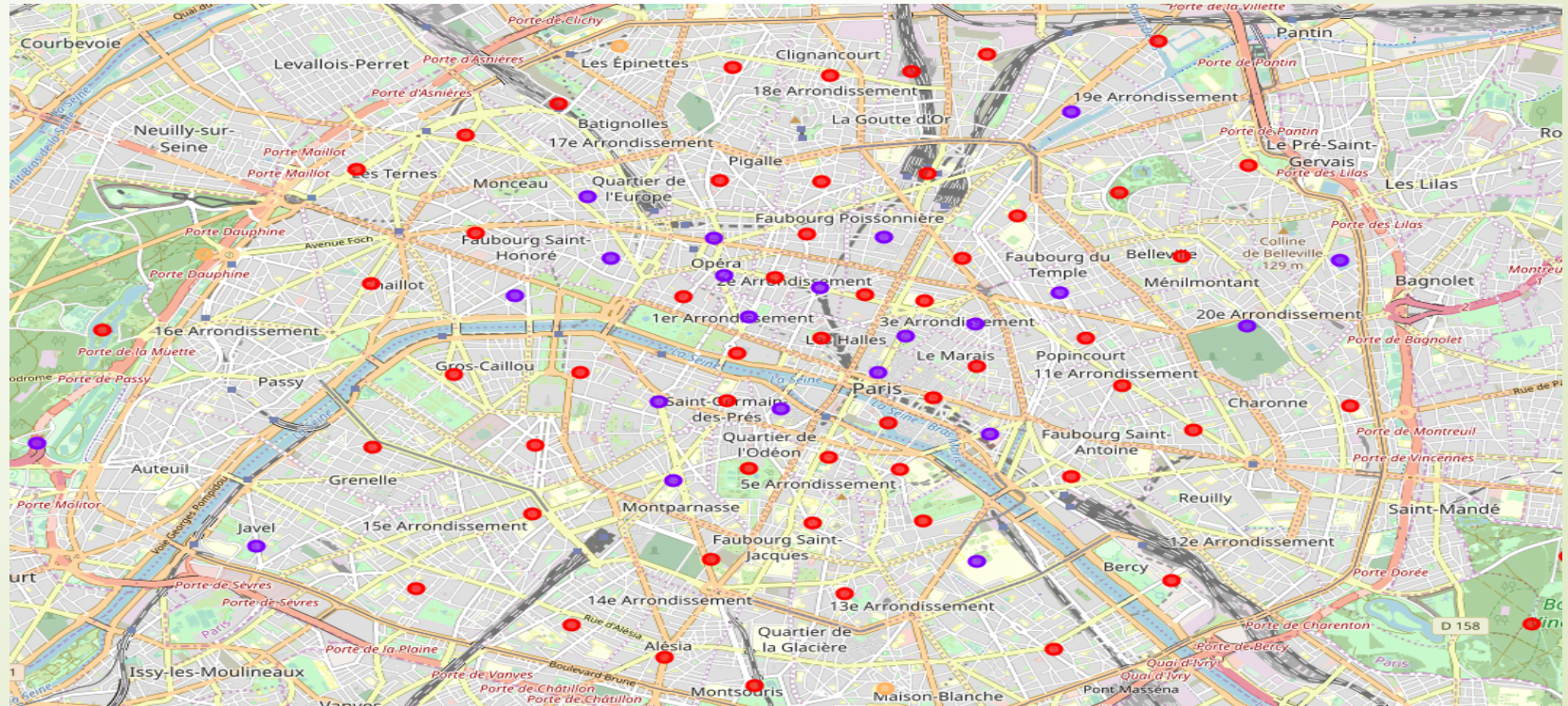
Explore and cluster the neighborhoods

- The clustering analysis showed two major cluster geography separated (east and west sides).

  - The red cluster group neighborhoods with a diversity of venues
  - While the mauve cluster group neighborhoods with high number of hotels witch my suggest touristic attractions.

KNN approach to find similarity between Manhattan and Paris neighborhoods

- The KNN analysis confirmed that there are 2 very representatives clusters.
- The two major clusters correspond to the lively neighborhoods of Manhattan.

Conclusion

- The newly graduated New-Yorker can be reassured about the fact that Paris is very lively and multicultural city.

- Most of Paris' neighborhoods group a large number of diversified venues and can be a good place to relocate.