

The Battle of Neighbourhoods- The Finale

Knowing the neighbourhoods of a city can help in vacation planning



Help tourists choose their destinations depending on the experiences that the neighborhoods have to offer and what they would want to have.



This also helps people make decisions if they are thinking about migrating to London or Paris or even if they want to relocate neighborhoods within the city.



Our findings will help stakeholders make informed decisions and address any concerns they have including the different kinds of cuisines, provision stores and what the city has to offer.

Data Collection



In the data collection stage, we begin with collecting the required data for the cities of London and Paris. We need data that has the postal codes, neighbourhoods and boroughs specific to each of the cities.

To collect data for Paris, we download the JSON file containing all the postal codes of France from <https://www.data.gouv.fr/fr/datasets/r/e88c6fda-1d09-42a0-a069-606d3259114e> Using Pandas we load the table after reading the JSON file.

Feature Engineering

- Both of our Datasets actually contain information related to all the cities in the country. We can narrow down and further process the data by selecting only the neighbourhoods pertaining to 'London' and 'Paris'

```
df_paris = df_2[df_2['nom_dept'].str.contains('PARIS')].reset_index(drop=True)
df_paris
```

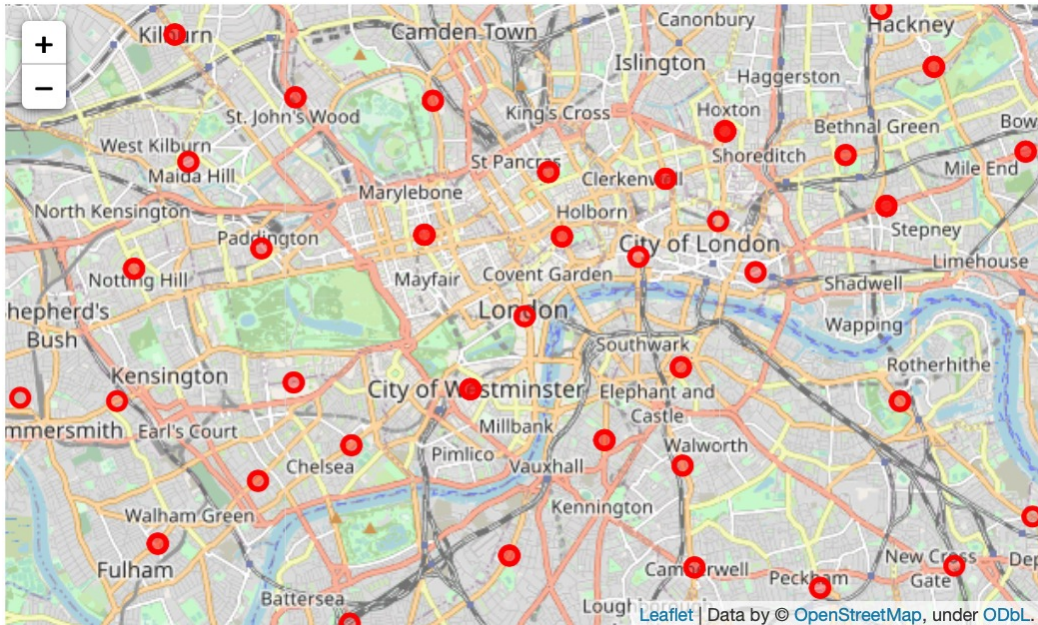
	postal_code	nom_comm	nom_dept	geo_point_2d
0	75009	PARIS-9E-ARRONDISSEMENT	PARIS	[48.87689616237872, 2.337460241388529]
1	75002	PARIS-2E-ARRONDISSEMENT	PARIS	[48.86790337886785, 2.344107166658533]
2	75011	PARIS-11E-ARRONDISSEMENT	PARIS	[48.85941549762748, 2.378741060237548]
3	75003	PARIS-3E-ARRONDISSEMENT	PARIS	[48.86305413181178, 2.359361058970589]
4	75006	PARIS-6E-ARRONDISSEMENT	PARIS	[48.84896809191946, 2.332670898588416]
5	75004	PARIS-4E-ARRONDISSEMENT	PARIS	[48.854228281954754, 2.357361938142205]
6	75008	PARIS-8E-ARRONDISSEMENT	PARIS	[48.87252726662346, 2.312582560420059]
7	75013	PARIS-13E-ARRONDISSEMENT	PARIS	[48.82871768452136, 2.362468228516128]
8	75012	PARIS-12E-ARRONDISSEMENT	PARIS	[48.83515623066034, 2.419807034965275]
9	75005	PARIS-5E-ARRONDISSEMENT	PARIS	[48.844508659617546, 2.349859385560182]
10	75019	PARIS-19E-ARRONDISSEMENT	PARIS	[48.88686862295828, 2.384694327870042]
11	75020	PARIS-20E-ARRONDISSEMENT	PARIS	[48.86318677744551, 2.400819826729021]
12	75010	PARIS-10E-ARRONDISSEMENT	PARIS	[48.87602855694339, 2.337460241388529]

```
df1 = df1[df1['town'].str.contains('LONDON')]
df1
```

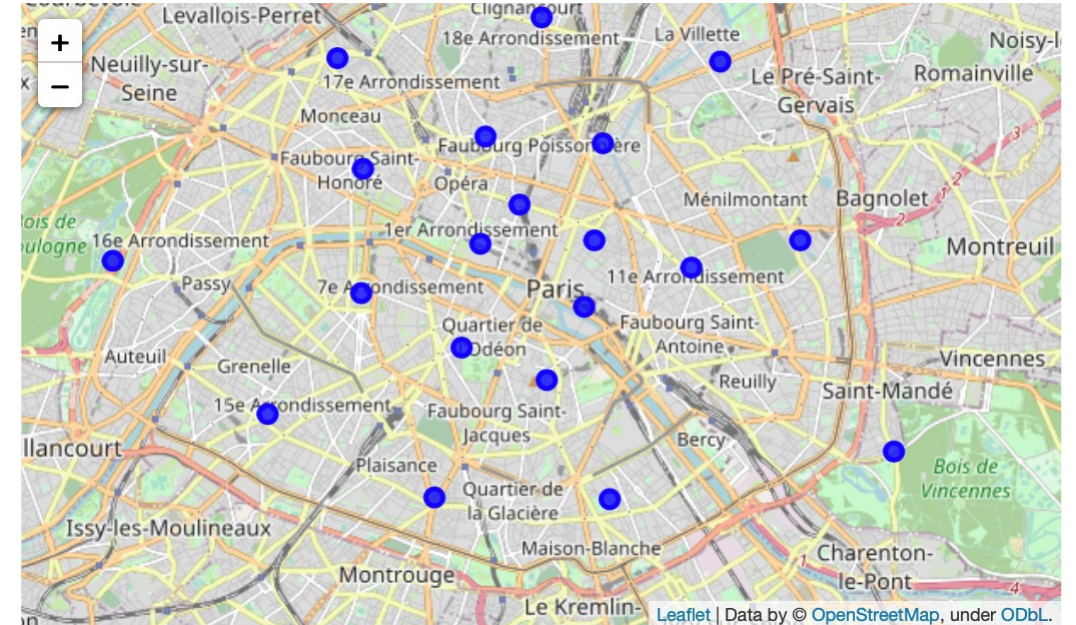
	borough	town	post_code
0	Bexley, Greenwich	LONDON	SE2
1	Ealing, Hammersmith and Fulham	LONDON	W3, W4
6	City	LONDON	EC3
7	Westminster	LONDON	WC2
9	Bromley	LONDON	SE20
...
521	Redbridge	LONDON	IG8, E18
522	Redbridge, Waltham Forest	LONDON, WOODFORD GREEN	IG8
525	Barnet	LONDON	N12
526	Greenwich	LONDON	SE18
528	Hammersmith and Fulham	LONDON	W12

Visualize the Maps

London

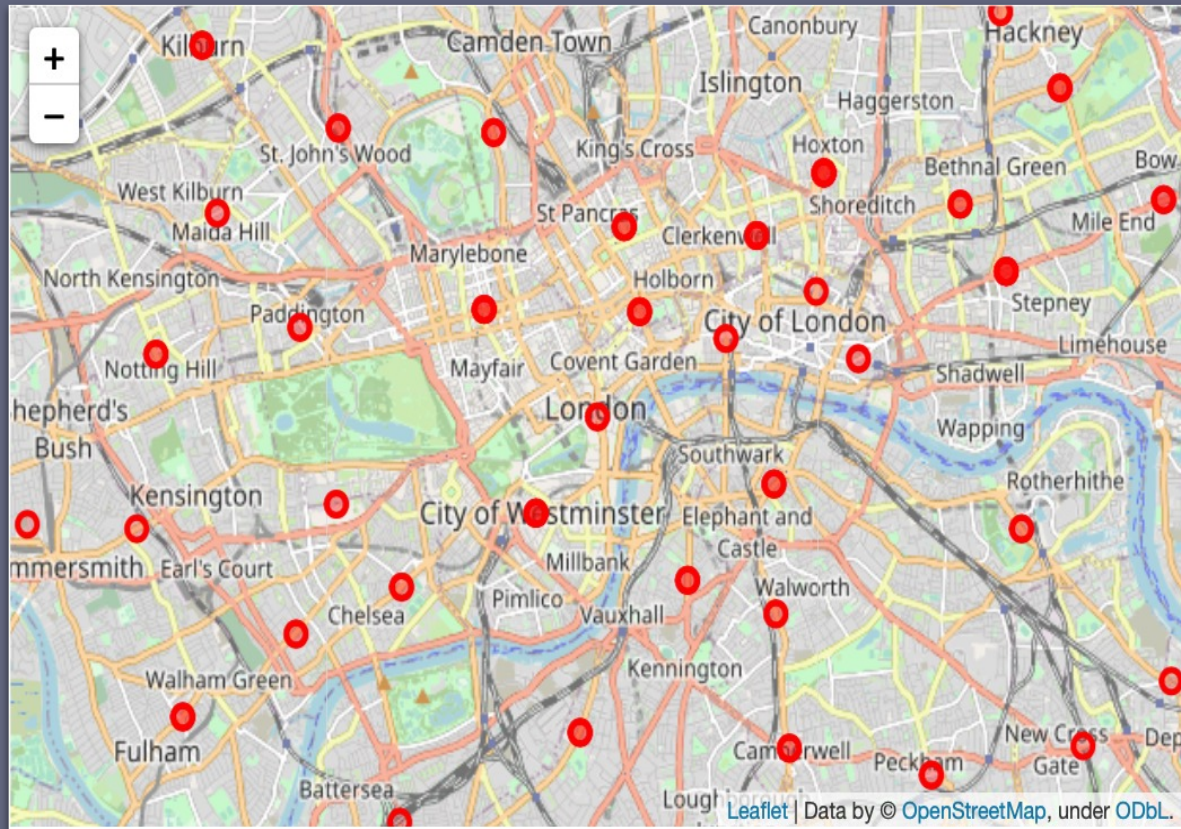


Paris

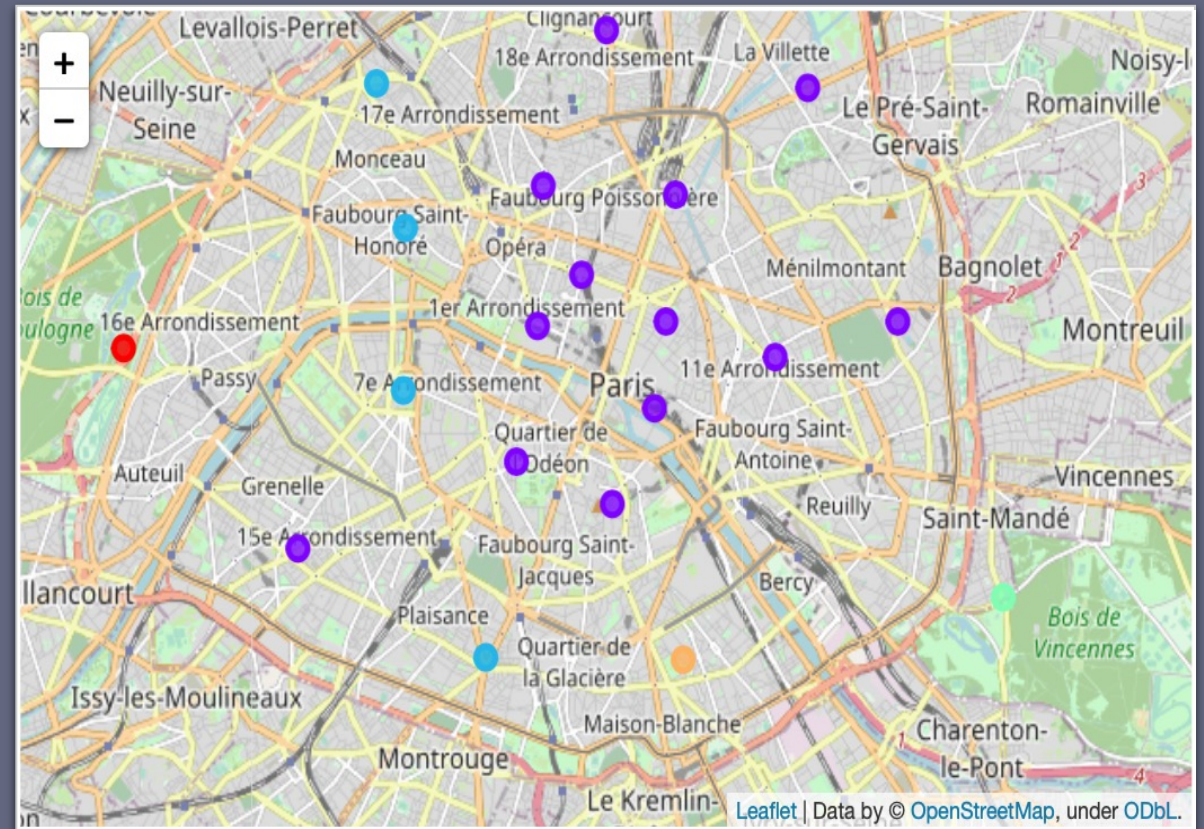


Visualize the Clustered Neighborhoods

London



Paris



Results and Discussion

- London
 - The neighbourhoods of London are very multicultural.
 - There are a variety of cuisines including Indian, Italian, Turkish and Chinese.
 - London also has a lot of Restaurants, bars, juice bars, coffee shops, Fish and Chips shop and Breakfast spots.
 - For shopping options there is Flea markets, flower shops, fish markets, Fishing stores, clothing stores.
 - The main modes of transport seem to be Buses and trains.
 - For leisure, the neighborhoods are set up to have lots of parks, golf courses, zoo, gyms and Historic sites.



Results and Discussion

- Paris
 - Paris is relatively smaller in size, geographically.
 - It has a wide variety of cuisines and eateries including French, Thai, Cambodian, Asian, Chinese etc.
 - There are a lot of hangout spots including many Restaurants and Bars.
 - Paris has a lot of Bistro's.
 - Different means of public transport in Paris which includes buses, bikes, boats or ferries.
 - For leisure and sight seeing, there are a lot of Plazas, Trails, Parks, Historic sites, clothing shops, Art galleries and Museums.



Conclusion

The purpose of this project was to explore the cities of London and Paris and see how attractive it is to potential tourists and migrants.

We could see that each of the neighborhoods in both the cities have a wide variety of experiences to offer which is unique in its own way. The cultural diversity is quite evident which also gives the feeling of a sense of inclusion.

Both Paris and London seem to offer a vacation stay or a romantic getaway with a lot of places to explore, beautiful landscapes, amazing food and a wide variety of culture.

Overall, it's upto the stakeholders to decide which experience they would prefer more and which would more to their liking.