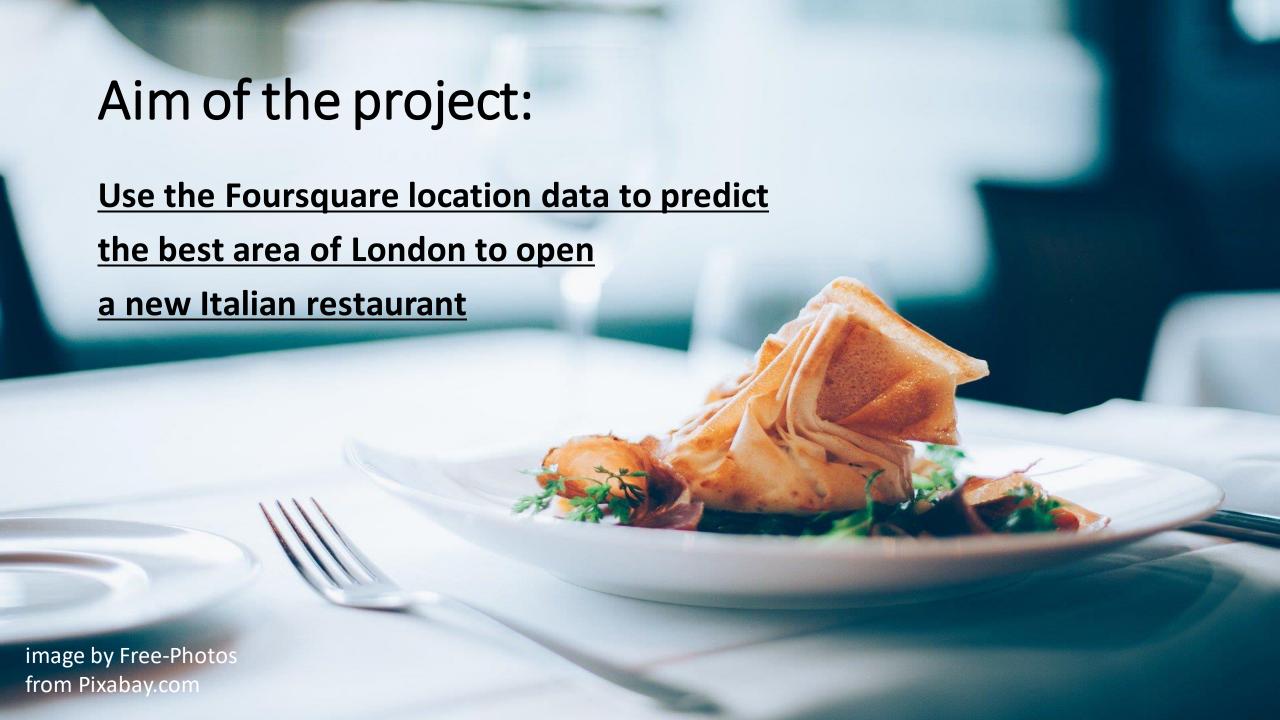
# A new Italian restaurant in London

by Filippo M.





#### List of contents:

- 1. Introduction to the problem
- 2. Data and assumptions
- 3. Methodology
- 4. Results
- 5. Conclusion

## 1. Introduction to the problem

The popularity of Italian restaurants in London might be an obstacle for entrepreneurs that are interested in opening such type of business.

They are the target audience for this project, since data can help them understanding which area of the city is best suited to welcome a new Italian restaurant, as it can help identifying where the competition is weaker

### 2. Data and assumptions

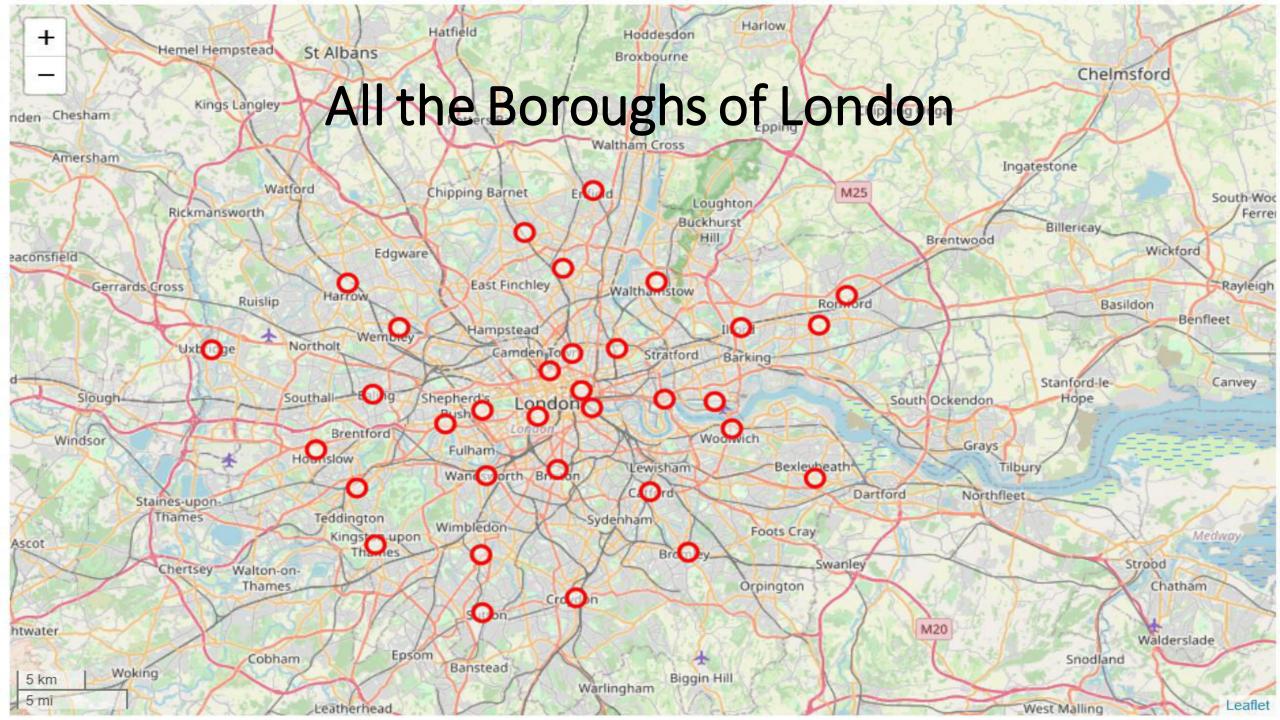
The two main sources of data are:

i. [1] Wikipedia. List of London Boroughs. https://en.wikipedia.org/wiki/List\_of\_London\_boroughs.

which contains all the geographical coordinates of the Boroughs of London

ii. Foursquare location data, explore endpoint

which returns a list of popular locations for a given set of latitude and longitude coordinates.



Some important assumptions and preliminary information include:

- i. The presence of Inner London Boroughs and Outer London Borough is mentioned for two reasons. The first is that it helps us displaying the data more clearly, by dividing it in two groups. The second is that the outer areas of the city are larger and with a lower population density, so a larger radius of investigation was used in Foursquare search.
- ii. Pizza places have been included into the group of Italian Restaurants. Pizzerias are part of the Italian cuisine tradition, and therefore to the eye of a customer they represent an alternative to an Italian restaurant within the context of Italian cuisine.

## 3. Methodology

The parameters that are used to assess the feasibility of a new Italian restaurant rely on the idea that it is not easy to start a new business where there is a strong competition. Therefore, a low number of competitors among the 100 most popular venues is to be considered a positive aspect.

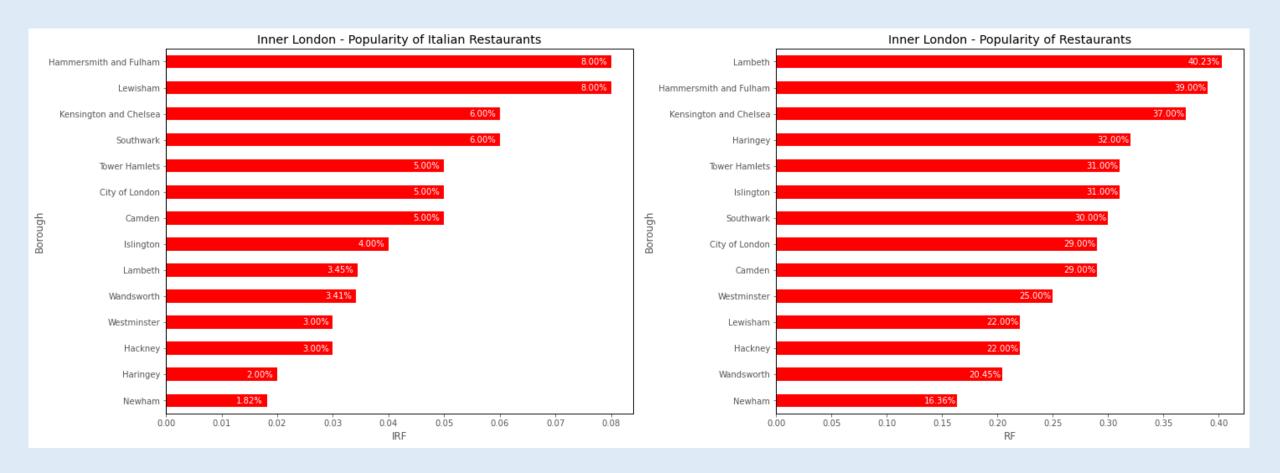
The first parameter "Restaurant Frequency" is inclusive of all types of restaurants / competitors:

$$RF_i = \frac{\text{Number of restaurants among the top venues in the } i^{th} \text{Borough}}{\text{Ovreall number of top venues found for the } i^{th} Borough}$$

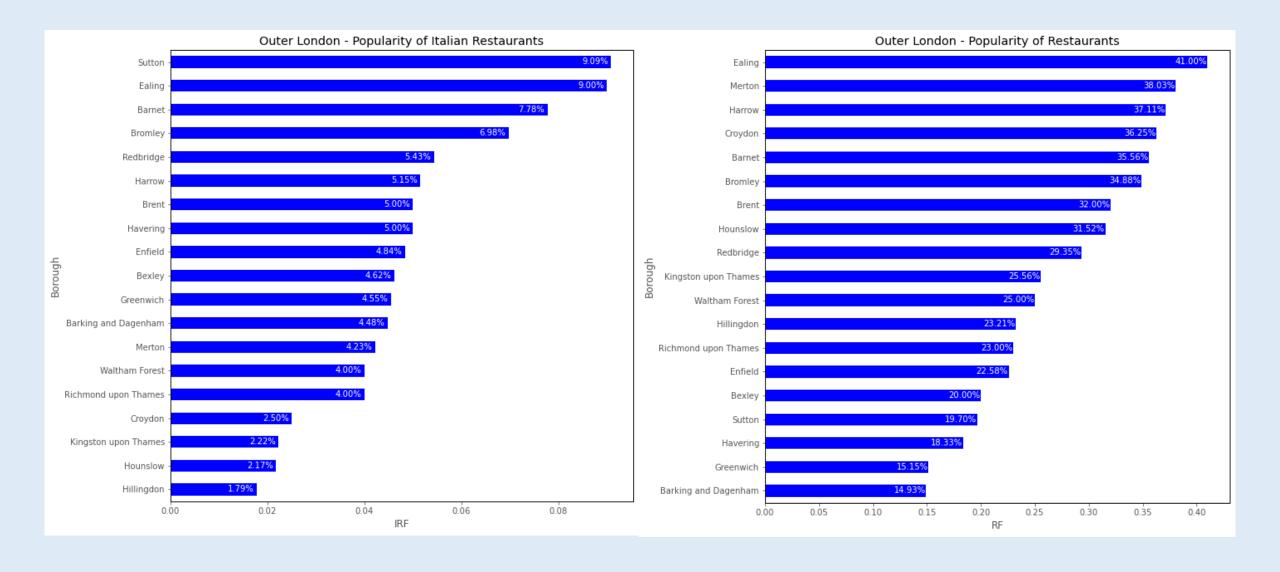
The second parameter "Italian Restaurant Frequency" is specific for Italian restaurants:

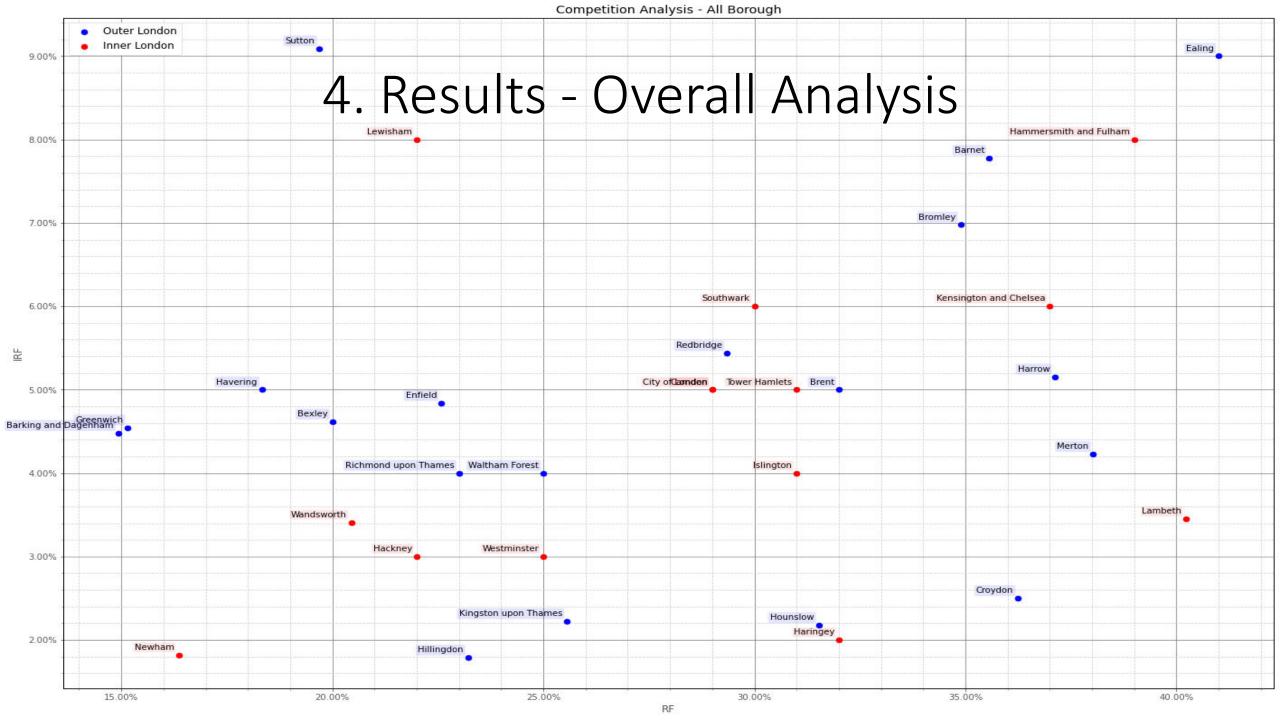
$$IRF_i = \frac{\text{Number of Italian restaurants among the top venues in the } i^{th} \text{Borough}}{\text{Ovreall number of top venues found for the } i^{th} Borough}$$

#### 4. Results - Inner London



#### 4. Results - Outer London





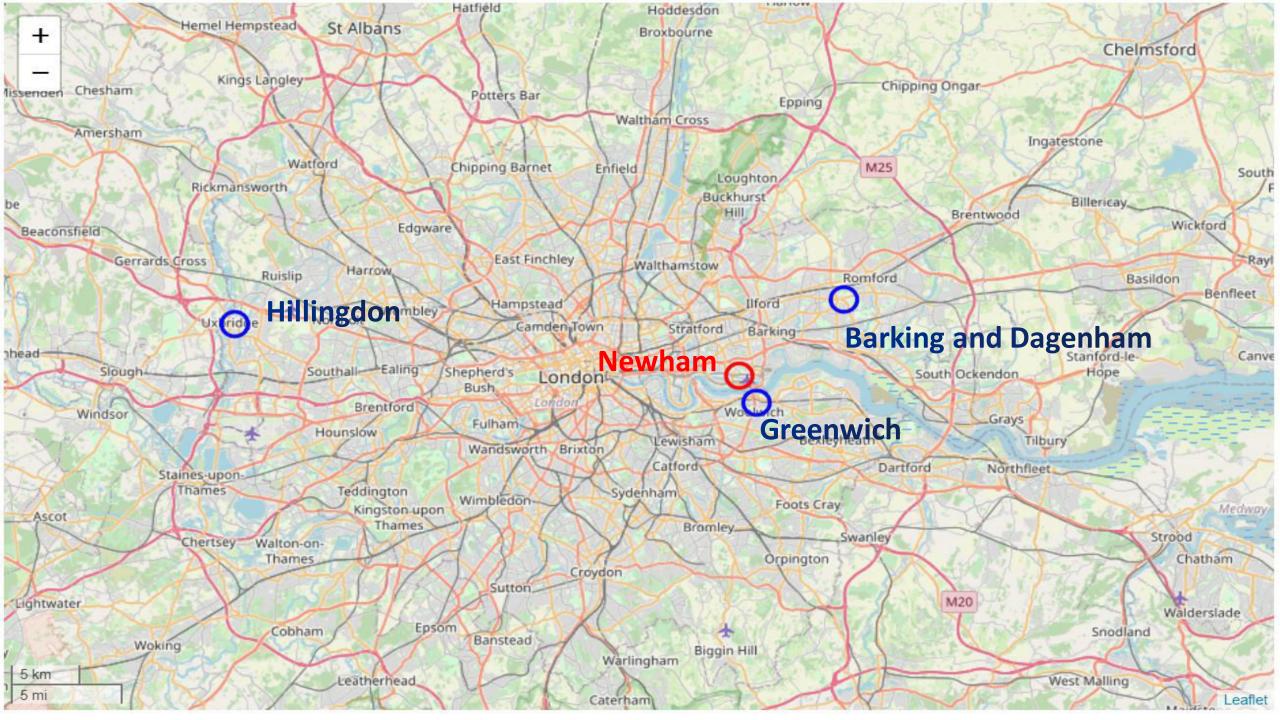
#### 5. Conclusion

# Newham is the best possible Borough to open a new Italian restaurant in London, being the most competitive combination of RF and IRF.

Other notable areas:

Greenwich, and Barking and Dagenham, where the presence of restaurants among the most popular locations is the lowest overall

Hillingdon where the availability of popular Italian restaurant is the lowest



# Thank you for your attention