New Restaurant opening after COVID-19 crisis

Data

Data Description

Analysis of current Restaurants in Madrid

Source of Data

- FourSquare API

Other local Restaurant specialized websites:

- https://www.eltenedor.es/
- https://www.restaurantes.com/
- https://www.tripadvisor.es/

Geo-Location coordinates

- Geocoder Python

Madrid demographic data:

- https://es.wikipedia.org/wiki/Categor%C3%ADa:Barrios_de_Madrid

Data Collection and analysis

1. From the local websites get URL, name and address of the restaurant. Allocate this info into a csv file that will be used later in the algorithm.The demographic (neighborhoods) data will be extracted from *wikipedia*.
2. Get latitude and longitude values from all locations and neighborhoods.
3. From FourSquare API get venues information and trends.
4. Segregate the information based on:
   o Cuisine
   o Location
   o Price
   o Avg. population per restaurant
5. Decide the best location to open the restaurant. (Target)