Coursera Capstone Project

A Food Comparison

1. **Purpose:**

The objective of this project is to make a comparison of the food cultures, in order to see how much they are spread in two countries. I chose pizza (excluding the Italian cuisine in general) and the Indian cuisine. The two cities I selected are the Italian city of Milan and the Indian city of Surat, and with my analyses I wanted to see which city has the most places in the same radius, trying to see if pizza is more spread in India than the Indian cuisine in Italy, and to find the possible best location if somebody would like to open a food place of those kind.

1. **Procedure:**

Using the folium library, it is possible to create a map of both cities and then we can work on both of them with our data.

* 1. **Find the data:**

Using the foursquare API it is easily possible to extract all the data we want to analyse, creating then a dataframe with all the entries with the right order.

* 1. **Using the data on the map:**

Having all the data controlled and in the best order, it is possible to visualize them on the map and make an inference**.** After adding the entries to the map, using the cluster function we can collect data that are in the same zone making easier to find the zones with less places.

1. **Conclusion:**

Looking at the dataframes we can tell that in the same radius there are more places in the city of Milan, and is kinda surprising because Surat is a bigger city with an higher density, but on the other side we can tell that probably in our databases we don’t have all the entries, as a matter of fact using “pizza” as query gives us all the places that have pizza in the name, but we know that many bars sell pizza in India. We can tell the same about Indian restaurants, because not all of them have “Indian” in their name.

In conclusion looking at the clusters we can infere the best zones in case we can open a pizza place in India or an Indian restaurant in Milan.

1. **References:**

https://developer.foursquare.com/