

Opening a restaurant: Comparing cities, Toronto VS Madrid

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1. Introduction

During this project I will be using the data Provided by Foursquare on the restaurant “La Primera”, located in the city of Madrid. I will assume that the owner of the restaurant wants to open a new restaurant, but this time in the city of Toronto. In order to this, will use the data provided by Foursquare in order to find a similar neighborhood in Toronto to the one in Madrid where the restaurant is located now. To do this, I will compare the neighborhoods by the number of restaurants, amount of coffee shops, number of entertaining centers and so on.

This problem might concern the owner of restaurants similar to “La Primera” that also want to open new locations in different cities, since it is very important to pick the right place.

Consider that this restaurant was chosen randomly.

2. Data

Most of the data used here came from the city council of Madrid. This data includes the name of the neighborhood, the district it belongs to and some measurements. However, the data was edited to only contain the neighborhood name, the district it belongs to and Latitude and Longitude information was manually added using the GeoHack webpage.

All of this was done so I could later retrieve data from Foursquare concerning to restaurants, shops and other locations, per neighborhood.

In the link below you can find the original dataset:

<https://datos.madrid.es/portal/site/egob/menuitem.c05c1f754a33a9fbe4b2e4b284f1a5a0/?vgnnextoid=46b55cde99be2410VgnVCM1000000b205a0aRCRD&>

Here is a picture of how the data was read into a DataFrame and how it looks like after being edited.

	Codigo de barrio	Codigo de distrito al que pertenece	Nombre de barrio	Latitude	Longitude
0	1	1	PALACIO	40.415000	-3.713333
1	1	2	IMPERIAL	40.406667	-3.716944
2	1	3	PACIFICO	40.404722	-3.675833
3	1	4	RECOLETOS	40.424167	-3.686389
4	1	5	EL VISO	40.444367	-3.688831