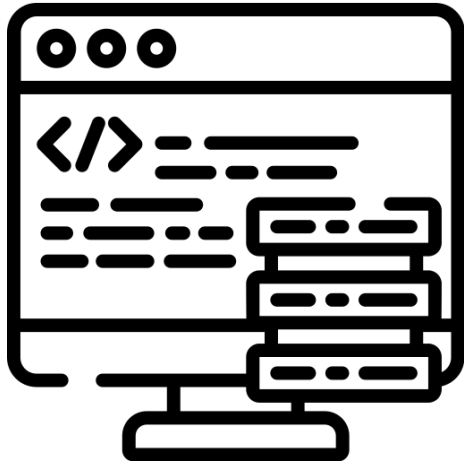# A RESTAURANT IN MEXICO

Problem

Recommend a friend where to open a restaurant:

I would perform an analysis similar to the one of Toronto and New York to find out the frequency of the venues of each neighborhood, then based on that I would recommend a type of restaurant to each neighborhood analyzed.

Data

For this analysis I use data from

https://datos.cdmx.gob.mx/explore/dataset/coloniascdmx/table/?sort=-entidad

Neighborhoods

The neighborhoods I will analyze for this Project are the following:
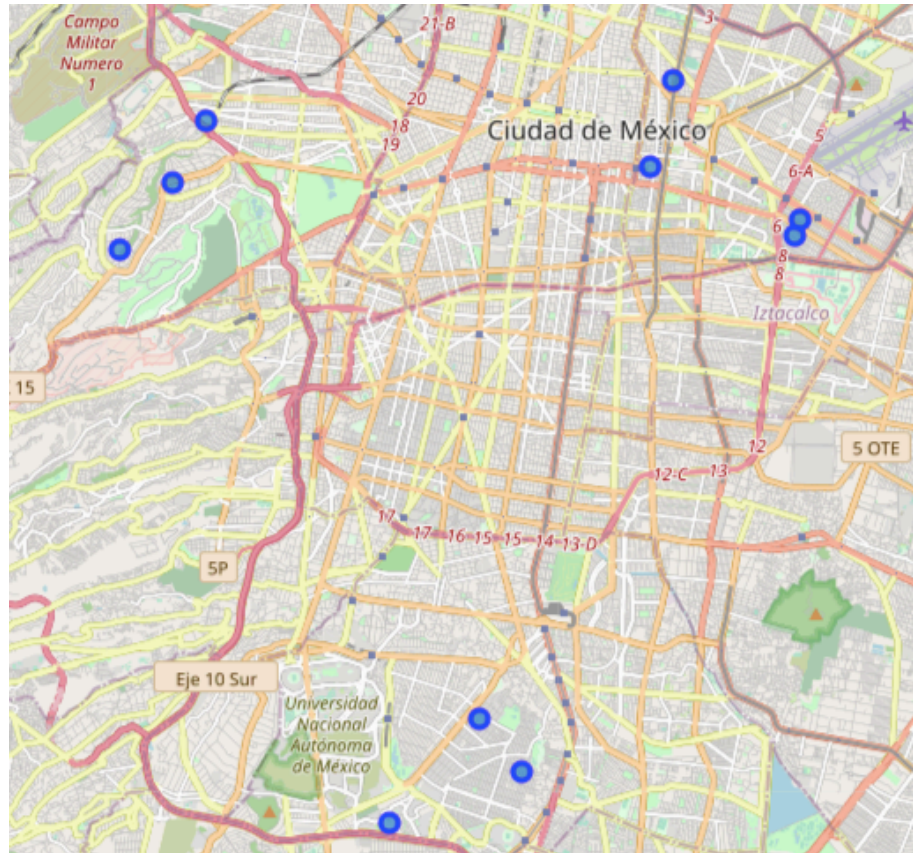
Neighborhood
LOMAS DE CHAPULTEPEC
LOMAS DE REFORMA
DEL BOSQUE (POLANCO)
PEDREGAL DE SANTA URSULA I
AJUSCO I
VISTAS DEL MAUREL (U HAB)
IGNACIO ZARAGOZA I
CENTRO II
VALENTIN GOMEZ FARIAS
MORELOS II

Venues

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	AJUSCO I	Taco Place	Ice Cream Shop	Brewery	Café	Coffee Shop	Wings Joint	Seafood Restaurant	Board Shop	Dance Studio	Food Court
1	CENTRO II	Taco Place	Deli / Bodega	Market	Soccer Field	Candy Store	Clothing Store	Shopping Mall	Fabric Shop	Juice Bar	Diner
2	DEL BOSQUE (POLANCO)	Mexican Restaurant	Coffee Shop	Café	Ice Cream Shop	Spanish Restaurant	Taco Place	Deli / Bodega	Food Stand	Music School	Accessories Store
3	IGNACIO ZARAGOZA I	Mexican Restaurant	Taco Place	Pizza Place	Bar	Convenience Store	Park	Ice Cream Shop	Brewery	Playground	Farmers Market
4	LOMAS DE CHAPULTEPEC	Burger Joint	Restaurant	Coffee Shop	Accessories Store	Bakery	Recording Studio	Music Venue	Japanese Restaurant	Deli / Bodega	Liquor Store
5	LOMAS DE REFORMA	Gym / Fitness Center	Bakery	Fabric Shop	Dance Studio	Deli / Bodega	Department Store	Design Studio	Diner	Donut Shop	Electronics Store
6	MORELOS II	Taco Place	Beer Garden	Bakery	Pet Store	Mexican Restaurant	Café	Burrito Place	Shop & Service	Electronics Store	Convenience Store
7	PEDREGAL DE SANTA URSULA I	Taco Place	Mexican Restaurant	Soccer Field	Convenience Store	Bar	Tennis Court	Market	Coffee Shop	Laundromat	Burger Joint
8	VALENTIN GOMEZ FARIAS	Pizza Place	Taco Place	Mexican Restaurant	Bar	Wings Joint	Beer Garden	Market	Furniture / Home Store	Ice Cream Shop	Burger Joint
9	VISTAS DEL MAUREL (U HAB)	Food Truck	Burger Joint	Park	Food	Gourmet Shop	Gym / Fitness Center	Ice Cream Shop	Donut Shop	Department Store	Lounge

Using Foursquare and other tools Listed in the report, I obtain the 10 most common venues for each neighborhood.

Results

	Neighborhood	RECOMMENDATION
0	AJUSCO I	A Burger Restaurant
1	CENTRO II	Restaurant with bakery
2	DEL BOSQUE(POLANCO)	Seafood Restaurant
3	IGNACIO ZARAGOZA I	Seafood restaurant
4	LOMAS DE CHAPULTEPEC	Pizza Place
5	LOMAS DE REFORMA	Taco Place
6	MORELOS II	Japanese Restaurant
7	PEDREGAL DE SANTA URSULA I	Spanish Restaurant
8	VALENTIN GOMEZ FARIAS	Seafood Restaurant
9	VISTAS DEL MAUREL(U HAB)	Taco Place

The frequency analysis of the venues
Give me enough information to
Recommend a specific type of
Restaurant to each neighborhood.
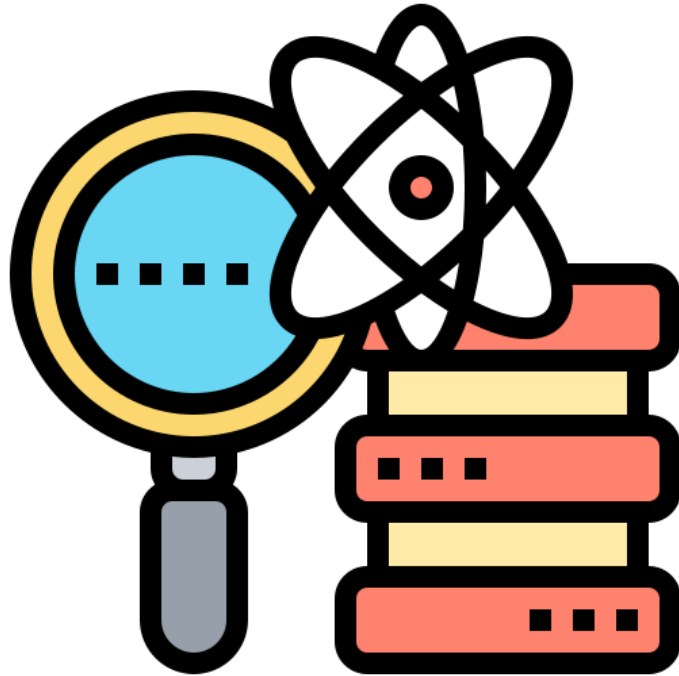
Discussion - Conclusion

This recommendations are based on my personal opinion, for a better recommendation I need to analyze more factors, not only the frequency of venues, maybe an economical analysis.

This set of tools make a frequency analysis a good way to determine several factors about a specific place. Now it depends on our imagination the kind of problems we will solve with this.