Open a Mexican Food (Oaxaca) Restaurant

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1.1   Introduction

The approach of my project is based on the fact that I have one Mexican Restaurant (Oaxacan Food) in Mexico City and I like to open a second one in another neighbourhood of Mexico City.
I want to use the techniques learned in the course to find neighbourhoods in Mexico City which can be good candidates to place the new restaurant.
I would like to explore only 4 of 16 districts of Mexico City. These districts are:
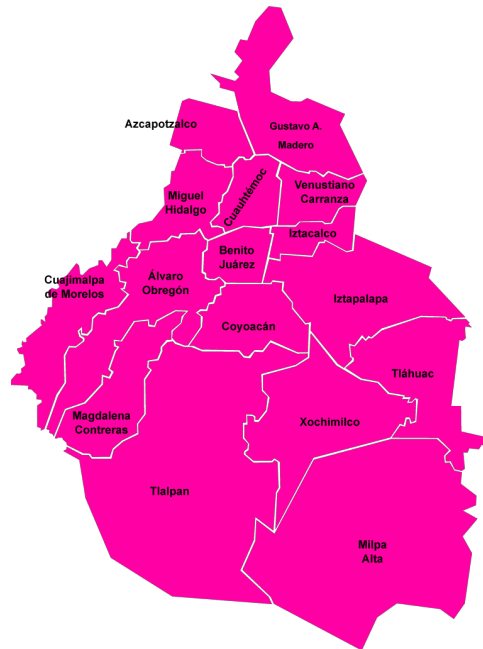- Benito Juarez
- Coyoacan
- Cuauhtemoc
- Miguel Hidalgo

Figure 1. Mexico City Districts

The restaurant will be of Oaxacan cuisine, which is a very tasty type of Mexican food.
Oaxaca is one of the main gastronomic centers of Mexico whose cuisine is internationally known.
Oaxacan cuisine is a regional cuisine of Mexico, centered in the city of Oaxaca, capital of the state of the same name located in southern Mexico. Like the rest of Mexican cuisine, Oaxacan food is based on basic foods such as corn, beans, and chilies, but there is a wide variety of other ingredients and food preparations due to the influence of the state's varied geography and indigenous cultures. In the well-known features of the kitchen include ingredients such as chocolate (often drunk in a hot preparation with spices and other condiments), Oaxacan cheese, mezcal and grasshoppers with dishes like tlayudas, tamalesoaxaqueños and seven notable varieties of mole.

Figure 2. Oaxaca State

I will collect information of the neighbourhoods in Mexico City which has restaurants of different types of food not only Mexican Food.

I will collect the places of interest of my current neighborhood using the Foursquare API, and then I will explore the venues for each of the neighbourhoods in other districts of Mexico City.
Finally, I will use KMEANS to find neighbourhoods similar to my current restaurant neighborhood in terms of the places of interest found on Foursquare.