IBM Capstone

Applied Data Science

Project Goals

1) Demonstration of use Python learned over these 9 classes
2) Demonstration of Data Science Methods and Principles
3) Solving this fun business problem:

“What type of restaurant should we open in my bowling Alley?”

Project Notes and Technology

Google Drive

Github--Project URL-↠https://github.com/rjmclachlan/IBM-Capstone-Project

Python Version is 3.7.1 (I forgot to update it before starting)

nTeract for Julyper notebooks.

Notebook URL-↠https://github.com/rjmclachlan/IBM-Capstone-Project/blob/master/albanyFoodData.ipynb

Buisness Problem and Introduction

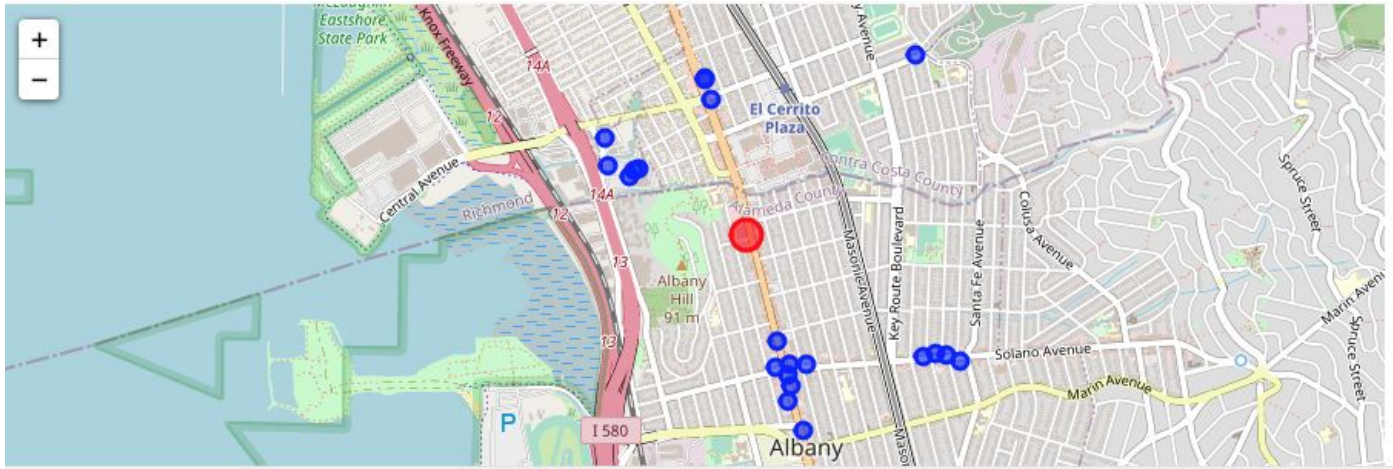
The owner of the restaurant in my local bowling alley restaurant has retired. Since I am there all the time anyway, what type of restaurant should I open.

We are going to use what we have learned in this class to inspect and review neighboring restaurants within a half mile of the bowling alley.

Data Overview

We will use Foursquare to download and map out data

Here is a preview of the data we have generated



Data Example (con't)

	categories	lat	lng	distance
0	Breakfast Spot	37.904134	-122.291667	1210.0
1	Café	37.890967	-122.290534	1093.0
2	Chinese Restaurant	37.895013	-122.301895	856.0
3	Dim Sum Restaurant	37.900902	-122.305511	714.5
4	Food	37.903130	-122.303386	798.0
5	Japanese Restaurant	37.889625	-122.298675	760.5
6	Mediterranean Restaurant	37.890500	-122.297764	697.0

Data discussion Part 3

Data will be downloaded from Foursquare for anything within 1000 meters. After looking at the data, it was missing some restaurants using the search function.

We expanded the search for using the explore search. We will combined these search results for our analysis.