

# IBM Capstone

## Project Goals:

- Demonstration of use Python learned in IBM data science modules
- Demonstration of Data Science Methods and Principles
- Solving the problem of which type of restaurant should be opened in a specific area

## Project Notes and Technology

- Google Drive  
[https://docs.google.com/document/d/1DZHyIvPo4wY8rnM9RG\\_G\\_J6sLTq3LpguONtO9ITjnaw/edit#](https://docs.google.com/document/d/1DZHyIvPo4wY8rnM9RG_G_J6sLTq3LpguONtO9ITjnaw/edit#)
- Github  
[https://github.com/ramymohamed-sudo/Coursera\\_Capstone.git](https://github.com/ramymohamed-sudo/Coursera_Capstone.git)
- Python Version is 3.6
- IBM Watson for Jupyter notebooks.  
<https://eu-gb.dataplatform.cloud.ibm.com/projects/747d6146-e1bf-4ef3-9512-fdb17d1d307b/assets?cont>

[ext=wdp](#)

## Problem Definition:

- The only restaurant in my area was closed. Since I live there, I wonder what type of restaurant I should open.
- I am going to use what I have learned to inspect and review neighboring restaurants within a half mile of my area.

## Data Collection:

- I downloaded data using Foursquare developer API.
- I downloaded data using the search request.

## Data Results:

- The data into a single dataframe and the non restaurants entities are deleted.

## I found this:

- There are no trending restaurants in our area.
- No foursquare tips.
- Number of restaurants is not large: the main brands are as follows: Pizza, Burger, Mexican,

Chinese, Japanese, Vietinames, Thai, Breakfast,  
Tapas, and Italian