

# COURSERA Capstone Project

## Week 1

- Description of the problem and a discussion of the background.
- Description of the data and how it will be used to solve the problem.

## Week 2

- Link to your Notebook on your Github repository, showing your code.
- Full report consisting of all of the following components:
  - I. Introduction. Discuss the business problem and who would be interested in this project.
  - II.Data. Describe the data that will be used to solve the problem and the source of the data.
  - III.Methodology. Represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, if any, and what machine learnings were used and why.
  - IV.Results. Discuss the results.
  - V.Discussion. Any observations you noted and any recommendations you can make based on the results.
  - VI.Conclusion.

# Week 1

- **Description of the problem.**

I want to start living in New York City (NYC), but I don't know what neighborhood to live in. I love to eat Chinese food so I want to live in a neighborhood that is small, but has a high density of Chinese food restaurants.

- **Description of the background.**

NYC is exciting and interesting and I like tall buildings. I enjoy the cultural diversity.

I like to eat a lot of food, so I want there to be lots options to eat nearby. Specifically, I like to eat Chinese food.

# Week 1

- **Description of the data and how it will be used to solve the problem.**
- Neighborhoods – obtained by webscraping Wikipedia
- Information about locations – obtained by FourSquare API
- Various python libraries will be used to sort, analyze and visualize the data and ultimately help me come to my conclusion.