

# Week 4 submission:

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## A description of the problem and a discussion of the background. (15 marks)

A Syrian investor who would like to open a *Syrian Restaurant* in Alexandria, Egypt has approached me to help him identifying the best neighborhood location in terms of *competition*.

## A description of the data and how it will be used to solve the problem. (15 marks)

### *A description of the data:*

- List of Alexandria's neighborhoods (Wikipedia)
- Coordinates of the neighborhoods (Wikipedia)
- A list of all Syrian Restaurants in the neighborhoods (Foursquare)
- Coordinates of the restaurants (Foursquare)

### *How it will be used to solve the problem:*

- Will use the coordinate data of the neighborhoods and plot it on the map of Alexandria
- Will use the coordinate data of the venues and plot it on the map of Alexandria
- Identify the Syrian restaurants and plot it on the map of Alexandria
- Finding the best location who has the fewest number of Syrian restaurants