

**Question 1** - A description of the problem and a discussion of the background

Sushi is an increasingly popular choice of food, with strong demand in New York. One of the challenges is ensuring a constant supply of fresh produce to restaurants in New York. I am exploring the potential business opportunity of supplying all sushi restaurants in New York with fresh fish on a daily basis. One of the key components of the business case is estimating the logistics requirements within New York. This project will aim to estimate the logistics costs involved.

**Question 2** - A description of the data and how it will be used to solve the problem

The following data is required:

1. List of sushi restaurants in New York
2. Geo-coordinates of restaurants
3. Assumptions on vehicles fixed and operating costs, travel time between locations, working hours and time at each stop

Data acquisition:

To achieve (1) and (2) above, the Foursquare API will be used to obtain the geo-coordinates for Battery Park in New York, and subsequently to search for “sushi” within a 5km radius of this location.

For (3) above, approximate assumptions will be provided