**Appropriate location for setting up a restaurant**

Brian Kirui

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1. **Introduction**
   1. **Background**

London is one of the greatest cities in the world with many restaurants. As such many people are looking for different types of cuisines from different restaurants. This leads to a multiple diversity of restaurants in the city.

There is still a huge room for growth of the number of restaurants due to the population.

* 1. **Problem**

London is a large city and as much as the room for the growth of restaurants in the area is evident, it is not a simple task identifying the best location to set up shop.

This project is aimed at helping potential business people with identifying the best location for the business based on the cuisines they intend to serve.

* 1. **Interest**

Any entrepreneur or business person aiming to make a profit in the food industry would definitely benefit from this.

1. **Data acquisition and cleaning**
   1. **Data sources**

For my project I will be using Four square data to get the location data for London.

* 1. **Data cleaning**

I used the coordinates of London and used the foursquare app to identify restaurants within a certain radius from the centre of the town.  
Once this was done, I clustered the restaurants into groups of restaurants with certain similarities such as the types of cuisines they provide, such as the Indian, Chinese and so on…

I then used this information to show all the locations of the restaurants on a map showing London first as a whole showing all the restaurants then each cluster to show where each is represented.