Description of the problem and a discussion of the background

Discussion of the Background:

In the current scenario of global pandemic, the coronavirus spread in more than 180 countries around the world. The pandemic started from the seafood market of Wuhan city in Hubei province in January as per the existing records available. The pandemic has now affected most of the world including major European countries like Italy, Spain, UK, France among the worse effected regions, and also United States.

The coronavirus infections result into disease name Covid-19 which starts with mild flu or influenza and later on has different impact on people with different age group. The infection actually is considered to be highly contagious and spreads through coming in contact with the person having related symptoms which are sometime undetectable. Hence, the population getting infected can be divided among two types: developing symptoms and asymptotic i.e. not showing any symptoms. It is therefore sometimes difficult to trace people with no symptoms and it is quite inevitable that they become the potential careers of coronavirus.

The recovery period is considered to be 14 days among the healthy people with high immunity whereas resulting into fatalities for some of the older as well as people with pre-existing illness. Henceforth, the mortality rate has come out to be 5-6% globally.

Problem:

Over 143,000 people have tested positive for coronavirus in the UK.

In London, the figure for positive tests stands at 23,063.

The total number of deaths in London has now climbed to 4,426, according to figures released (Friday, April 24) by Public Health England.

Brent has the most in the capital, with 1,289 cases, followed by Croydon (1,268), Barnet (1,143), Southwark (1,137), and Lambeth (1,071).

The South West borough of Richmond has the second least number of confirmed coronavirus cases (349), while the lowest is the City of London (16).

So, **the problem before us is how to control the spread of coronavirus in London.**

For this we have to analyse the data closely and find out the most worst effected region of London using Foursquare API, so that the government and health ministry of the city can implement certain precautionary measures in order to curb down the random spread and try to control the situation to certain degree.

Target Audience – Government, Doctors and Health Care workers who are real audience at this time of crisis. This project will provide location of the hospitals and near testing centres for COVID-19 patients.

Data for this project can be fetched from Foursquare API which provide latitudes and longitudes which can help cluster the areas containing hospitals or other places which can contribute to such health care facilities.