**WEEK 1 :**

**Description Of The Data And How It Will Be Used To Solve The Problem**

**Data Acquisition**

The data acquired for this project is a combination of data from three sources.

The first data source of the project uses a London crime data that shows the crime per Borough in London. The dataset contains the following columns:

|  |  |
| --- | --- |
| **Isoa\_code** | Code for lower super output area in greater London |
| **Borough** | Common name for London Borough |
| **Major\_category** | High level categorization of crime. |
| **Minor\_category** | Low level categorixation of crime within major category |
| **value** | Monthly reported count of categoricsl crime in given Borough |
| **year** | Year of reported counts,2008-2016 |
| **month** | Month of reported counts,1-12 |

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The second source of data is taken from Wikipedia page that contains the list of London Boroughs. This page contains additional information about the Boroughs , the following are the columns:

|  |  |
| --- | --- |
| **Borough** | The names of 33 London Boroughs |
| **Inner** | Categorizing the Borough as an Inner London Borough or an Outer London Borough. |
| **status** | Categorizing the Borough as Royal, city or other Borough. |
| **Local authority** | The local authority assigned to the Borough |
| **Political control** | The political party that control the Borough |
| **headquarters** | Headquarters of the Boroughs |
| **Area (sq mi)** | Area of the Borough in square miles. |
| **Population (2013 est)[1]** | The population in the Borough recorded during the year 2013 |
| **Co-ordinates** | The latitudes and longitudes of the Borough |
| **map** | Number assigned to each Borough to represent visually on a map |

The third data source is the list of neighborhood in royal Borough of Kingston upon Thames as found on a Wikipedia page. this dataset is created from scratch using the list of neighborhood available on the site, the following are columns.

|  |  |
| --- | --- |
| **Neighborhood** | Name of the neighborhood in Borough |
| **Borough** | Name of the Borough |
| **Latitude** | Latitude of Borough |
| **Longitude** | Longitude of Borough |