

1. 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 categorization of crime within major category.
- **value**: monthly reported count of categorical crime in given borough
- **year**: Year of reported counts, 2008-2016
- **month**: Month of reported counts, 1-12

The second source of data is scraped from a 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 the 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 latitude and longitude of the boroughs.
- **Nr. in map**: The number assigned to each borough to represent visually on a map.

The third data source is the [list of Neighborhoods in the 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 the Borough.
- **Borough**: Name of the Borough.
- **Latitude**: Latitude of the Borough.
- **Longitude**: Longitude of the Borough.