**2. Data**

To perform the analysis, the following data will be used:

* I will use the New York neighbourhood data provided in this course for segmenting and clustering neighbourhoods in New York City containing boroughs and neighbourhoods with the latitude and longitude coordinates, in order to segment the neighbourhoods and explore them.
* I will use Forsquare API to get the most common venues of given Borough of New York City. This will show the most popular places of each neighbourhood of the New York City, which will assist the reader in deciding which areas of the New York City would be the best match to the reader’s needs.
* I will use the data available at streeteasy.com to analyse the housing prices and create choropleth map of New York City comparing the housing prices in different boroughs and neighbourhoods. The information on this website offers historical monthly data by borough or neighbourhood on housing price index, asking sale price, asking rent and other data. This information will help the reader in determining the neighbourhoods of the New Your City that would fit the reader’s budget for housing. Link: <https://streeteasy.com/blog/data-dashboard/?agg=Total&metric=Inventory&type=Rentals&bedrooms=Any%20Bedrooms&property=Any%20Property%20Type&minDate=2010-01-01&maxDate=2020-10-01&area=Flatiron,Brooklyn%20Heights>
* I will use the data at data.cityofnewyork.us site to analyse the crime rates in different areas of New York. This dataset includes all valid felony, misdemeanour, and violation crimes reported to the New York City Police Department (NYPD) for all complete quarters so far year 2017. This will help the reader to decide whether the neighbourhood that fits the reader’s budget in terms of housing prices is safe enough. Link: <https://data.cityofnewyork.us/Public-Safety/NYC-crime/qb7u-rbmr>