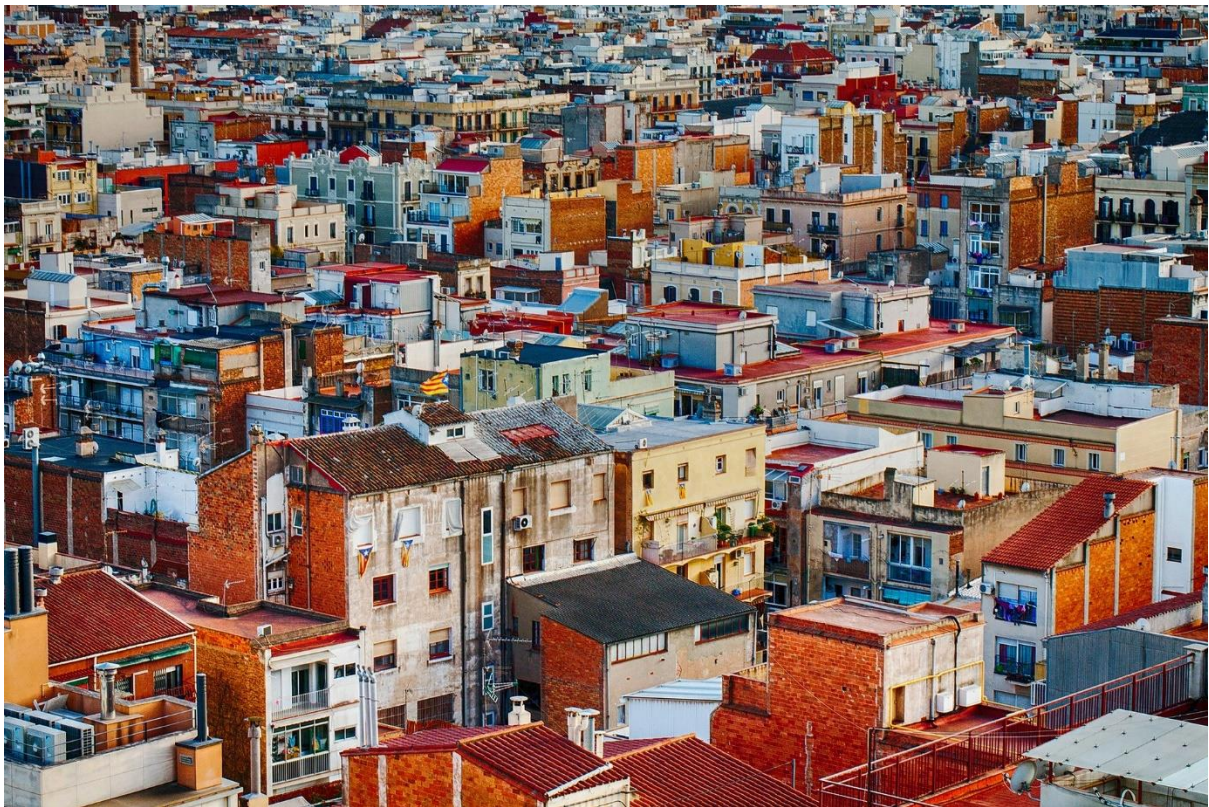


Coursera Capstone project  
IBM Applied Data Science Capstone

## **Know the locality of your new house**

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## **Introduction:**

Many of the time people have to move from one city to another city. So they have look for house to get in rent in the new city on some housing websites. 8/We want to live in an area where we get all the essential things close to our house like we want stores like grocery shop, gym or Pharmacy store around us, and some people also wants to have some restaurant or playground or park around the house they looking to rent.

Now problem with most of the housing website is that it shows how good or bad the house is but it doesn't show how is the locality of the house, what is there in the neighbourhood, is there all the essentials shops and stores are in the area or not. To make a better decision to buy a new house we have to look on many other factors like how expensive the house is in compare to the other house in the area or are the houses in the other area is cheaper with similar facilities and similar locality.

## **Business Problem:**

In this project we are going to analyse a city on basis of price of houses in different area. We will also analyse price of houses on the basis of type of houses. We will analyse and visualise 66if there is all the needed stores, shops or playground in the area so that a person can make a better decision to rent a house.

## **Data:**

The data used in this is New York City Airbnb Open Data housing dataset.

The source of the Data is <https://www.kaggle.com/dgomonov/new-york-city-airbnb-open-data>

This data is used to analysis the price of the house in different area of the New York City and know the price of different type of houses like single room of multiple room. We will also use this data to select a sample vacant apartment to do our analysis. To know the venue, we will use Foursquare API to get details of locality. Then the details will be used to do the further analysis and get the