**Introduction**

When people are finding the best possible cities to live in, they would need proper means to compare cities in the most accurate way with verified information. This would allow them to make sound decisions of whether the neighbourhood suits their taste.

Tourists are another target group who scout for amenities in neighbourhoods and the living conditions in the city.

When we are debating on the best place to stay in, we have lots of factors that would be determining the liveability of the city.

Firstly, we would look at the **Overall Comparison**. This would be determined using the same factors of the city which would give us a general overview of the cities.

Secondly, we would look into **Crime Rates**. We would look into the crime rates of the individual cities and pit them against the statistics giving the national average.

**Cost of Living and Salary** would be compared for the different cities which are important selling points for migrants especially.

**School** comparison would allow migrant families to find the best schools in the vicinity.

Lastly, we would look into **neighbourhood** comparison which would be provide the best place to live within any city.

**Objectives**

To apply machine learning(k-means) and data science principles to compare between New York City and Toronto cities to help individuals, families and tourists to make a decision on where to move or relocate to.

Through a combination of Folium, Foursquare API and K-means algorithm, we would be able to obtain different cluster of neighbourhoods with its associated venues.