**IBM Data Science Capstone Project**

**Background**

In these days, it is more and more common to have to leave your country due to a job offer abroad. One of the most challenging issues in a situation like this is to find a good place to live, and good can be interpreted as a place located in an environment as similar as possible to the current homeplace.

Let me illustrate with an example, why finding similar environments it is relevant in situations like this. Imagine a person who cannot live without coffee, as many of us do, so every day before going to work, she walks to her favourite coffee shop that is just around the corner. Another habit is to have a spicy tuna roll on Wednesday’s evening in the Japanese Restaurant that is two blocks from home, lastly, jogging on Saturday’s morning in the neighbourhood’s park is a most.

Although it is possible to do some research on the internet, most of the blogs and articles could consider some aspects in their analysis that are not necessarily aligned with our preferences. They can prioritize to have access to subway stations or neighbourhoods that have a vivid nightlife, whereas what our person used as example wants is coffee shops and Japanese restaurant options nearby, notwithstanding a rent in a range of her possibilities.

**Problem Description**

Based on what it has been stated above, the problem identified in the scenario when a person is moving to another country is that it is no easy to find a recommendation of neighbourhoods to live that take into account our preferences and priorities.