

1 Introduction

Immigration is the international movement of people to a destination country of which they are not natives or where they do not possess citizenship in order to settle or reside there. As of 2015, the number of international migrants has reached 244 million worldwide. The reason of that could be financial(e.g. wage rates), personal reasons (e.g. family reunification, transnational marriage).

Barriers to immigration come not only in legal form or political form, but also natural and social form. People when leaving their country also leave their family, friends, social network, and culture. When they arrive in a new country, this is often with many uncertainties including finding work and where to live. To help them ease the migration difficulty, it would be great to help them find a city similar or even better infrastructure and quality of living.

We can use data science nowadays to achieve that goal. Comparing cities around the world by data, we can find out which are similar, which are different.

2 Business problem

We've often believed that more data is better; however, that actually isn't true. The rapid rise in collecting data hasn't been matched by our ability to support, filter and manage the data. Too much data are without enough structure in place to manage and not enough meaningful.

It is difficult to find the truth behind the data. easy to get lost and with so much information it's easy to misunderstand what the data is telling you. It would be great if there was a comparison of the different cities in a country of choice which gives you a general view of each place and it's pro's and contras.

Here the problem will be for a family to decide move from Hamburg, the second biggest city in Germany to United State of America. They want to choose one from the ten biggest cities in USA, which has similar population or more. (Hamburg has a population around 1841179; the biggest city in USA : New York has 8398748, the tenth is San Jose, which has 1025350). Apart from that, they have their top 5 priority factor list for choosing place to live.

The requirements are:

- *Schools*
- *Hospitals*
- *Playground*
- *Shops*
- *Restaurant*

The findings of this project would be of interest for families moving from Hamburg to USA, but also for companies choose place to explore new opportunities.