Applied Data Science Capstone

(Week 4 Assignment, Part I)

Introduction

Mr. ABC, a Data Scientist from New Delhi, India was offered a job in Toronto, Canada. Before accepting this offer, he got another job offer from a company in Vancouver, Canada. Both jobs are similar in terms of job description, position, salary, and other perks. As he is willing to relocate and take up one of these jobs, he needs to compare the pros and cons of both the cities and chose the best one according to his requirements.

His requirements are as follows:

1. He wants to move to the city with the least crime rate.
2. He will be accompanied by his wife, who is a pastry chef (patissier) by profession. She also wants to work after the relocation. Mr. ABC needs to find out the city with more opportunities for a chef.
3. After deciding on the city, he needs to find out the neighborhood which is near to both his office and his wife's (would be) restaurant. The residence should not be more than 40 km away from either of their offices.
4. He also needs to make sure that the neighborhood is safe.

Based on the above criteria, Mr. ABC takes the decision of whether to accept the job offer from Toronto or Vancouver.

Target Audience

A lot of people immigrate to different countries within and across continents in search of quality education, employment, quality of life, etc. However, deciding where to move is a big step and the list of criteria for choosing a place is specific to each individual. Some might prefer a warmer place than a colder place, some might prefer beaches that mountains, etc. In this project, I am introducing a hypothetical scenario where an immigrant must decide where to move based on his list of requirements.

The target audience for this type of project are people who are looking to immigrate but could not decide where to immigrate. They can list the prospective destinations (Toronto and Vancouver in my case) and rank each destination based on their list of requirements. For example, rank the cities with most IT job opportunities, most Asian grocery stores, etc. The destination can be chosen on the basis of their aggregated score/rank on all requirements/criteria.