

# **1 Introduction**

## **1.1 Background**

Toronto, Canada's largest city with 2,731,571 population in 2016, is the capital of Ontario Province, the most populous city in Canada, and the fourth largest populous city in North America. This city is a world leader in such areas as business, finance, technology, entertainment and culture. Its large population of immigrants from all over the globe has also made Toronto one of the most multicultural cities in the world. Toronto encompasses a geographical area formerly administered by many separate municipalities. These municipalities have each developed a distinct history and identity over the years, and their names remain in common use among Torontonians. Former municipalities include East York, Etobicoke, Forest Hill, Mimico, North York, Parkdale, Scarborough, Swansea, Weston and York. Throughout the city there exist hundreds of small neighbourhoods and some larger neighbourhoods covering a few square kilometres which made Toronto a city of neighbourhoods.

## **1.2 Problem Definition**

In this project, we want to explore the neighborhoods in Toronto and group them into similar and dissimilar clusters. There can be many factors to consider some regions similar, including the facilities, events, restaurants, parks, schools, etc. in each neighborhood.

## **1.3 Interest**

This study can be interesting for those who want to live temporary or for a long period in Toronto including new residents, tourists, and people who want to change their neighborhood. Imagine

that someone wants to live a new neighborhood (whether they are tourists or Toronto residents), it is important for them to know their new neighborhood and compare it to their previous or desired districts. Hence, this project will help them to know every area in Toronto and choose their new and favorite neighborhood.