# Covid Cases & Venues Data Analysis of Toronto

## Introduction

### A1 Description & Discussion of the Background

Covid-19, without any question, is one of the hottest topics in 2020. As an international student in Canada, I am interested in the trend of covid-19 in Toronto, the largest city of Canada. Toronto is the capital city of the [Canadian province](https://en.wikipedia.org/wiki/Provinces_and_territories_of_Canada) of [Ontario](https://en.wikipedia.org/wiki/Ontario). With a recorded population of 6,197,000, it is the [most populous city in Canada](https://en.wikipedia.org/wiki/List_of_the_100_largest_municipalities_in_Canada_by_population) and the [fourth most populous city in North America](https://en.wikipedia.org/wiki/List_of_North_American_cities_by_population). The city has a current area of 630.2 km2, and itis divided into 140 districts. As the largest and the most populous city in Canada, Toronto residents are undertaking the highest risk of being infected.

The purpose of this data analysis project is to figure out the relationship between the features of neighborhoods in Toronto and the level of covid-19.

### A2. Data Description

* I used Toronto neighborhood demographics and geographical and venues information from Kaggle.
* I used Toronto Covid-19 cases from Kaggle.
* I used Foursquare API to get the most common venues of neighborhoods of Toronto.