

# Applied Data Science Capstone Project

## 1 Introduction

A chain of protein powder stores is looking to open multiple new stores in city of Toronto. They are exploring how many stores they should open and where they should be located. The goal of this project is to give there a proposal of possible locations. The approach is to open stores in neighborhoods that have many gyms.

## 2 Data

The latitude and longitude of the gyms in the city center of Toronto will be extracted from Foursquare. For this use, the explore command will be called to the Foursquare API. The other features of the venues will be ignored for this analysis; we consider only the location to be relevant. An area with a high density of gyms will be a primary choice for opening a new store.

## 3 Methodology

## 4 Results

## 5 Discussion

## 6 Conclusion