

The best location for the setting up of a football stadium in the Calgary neighborhoods in Alberta, Canada

Submitted by Toju Mary Awe

1. INTRODUCTION/BUSINESS PROBLEM

With the growing number of youth and large young migrants in Canada, Toju Football Academy is looking at building a football stadium in the neighborhoods of Calgary. The aim of this is to attract as many young talents as possible into the sport while also contributing to the development of the game in the country. Data obtained from https://en.wikipedia.org/wiki/Demographics_of_Canada showed that 30% of the Canadian population is less than 25 years old. Calgary, the largest city in Alberta, has a population of about 1.1million people (see [https://en.wikipedia.org/wiki/Demographics_of_Calgary#:~:text=Pop.&text=In%20the%202011%20Census%2C%20the,area%20\(CMA\)%20was%201%2C214%2C839](https://en.wikipedia.org/wiki/Demographics_of_Calgary#:~:text=Pop.&text=In%20the%202011%20Census%2C%20the,area%20(CMA)%20was%201%2C214%2C839)). Toju Football Academy is therefore taking the advantage of this huge young population to set up a football stadium in Calgary. The aim of this project therefore, is to help the Academy suggest the best location to site the football stadium in the neighborhoods of Calgary.

2. DATA DESCRIPTION

As explained above, the aim for this project is to suggest the best possible location to set up a football stadium in the neighborhood of Calgary. The data for the purpose of this project would be sourced from:

- a. Wikipedia. At https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_T is a list of the neighborhoods in Calgary together with their latitude and longitude coordinates. This dataset would be filtered and cleaned to extract only the borough of Calgary.
- b. The Forsquare API would be used to get the most common venues in the city of Calgary.

Using this dataset, we are going to set certain parameters so as to achieve our objectives. These parameters are:

- a. Locations not already crowded with the presence of football stadium or any other sporting centers
- b. Locations where there is no football stadium.