

Capstone Project - Battle of Neighbourhoods

1. Introduction

Almost each company has a time period, when it want to extend their area and open a new filial in another city. As well as some people want to move or visit another city somewhere.

Habemus Immobilien GmbH & Co KG is in Wien, wants to extend their facilities renting real estate all over the world according to clients preferences.

The company wants to get an advantage of local companies by creating an automatic system to help their clients to find a good area, according their preferences.

Later, when the system works properly, the company will order an app, that could help people to find a perfect location all over the world.

2. Data

In our prototype we will use some data of Toronto to look at the algorithm of the project.

We use the following resources:

- ✓ Wikipedia (https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M) to get Postal Code, Borough and Neighbourhood in Toronto
- ✓ Geospatial data for Toronto (http://cocl.us/Geospatial_data) to get the geographical coordinates of each postal code
- ✓ Foursquare API to obtain more information about venues
- ✓ Random user data, with a random number (from 1 to 10) of preferences to check, how our system works.