

Capstone Project – The Battle of Neighborhood

Introduction

Melbourne and Sydney are two biggest cities in Australia. I travelled to these cities many times and a thought comes to my mind ‘which city will people choose if they want to live?’. I think venues might be a reason for people who choose the city and it also shows two cities’ competition. As a result I choose to explore the two cities for the people who wants to live in the future. The questions is “number of amenities in Melbourne and Sydney”.

Data selection

1. I will use “foursquare location data” as a data source in order to discover the various venues in these cities.

“foursquare location data” is a location based app which help user to find the best restaurant or shops in their location. I will use the following request to explore venues <https://api.foursquare.com/v2/venues/explore/...>

The result is in the format ‘json’:

| Field | description |
|------------|----------------------------------|
| Id | A unique identification |
| name | Name of venue |
| location | Latitude and longitude |
| categories | Categories applies to this venue |

2. For the location of Melbourne and Sydney, I will use Geopy. It can return the latitude and longitude of each suburb in the city.