



Analysis of Budapest Neighborhoods

DATE : 8th Aug 2020

*By
Sethumadhavan Aravindakshan*

INTRODUCTION

Budapest is ranked as the top Eastern European ecosystem for scaleups due to the city's availability of capital. The tech infrastructure is exceptional and continues to develop further creating many opportunities for entrepreneurs and working professionals.

Aim of this project is to cluster the Budapest neighborhood according to their similarities and different categories into groups as :

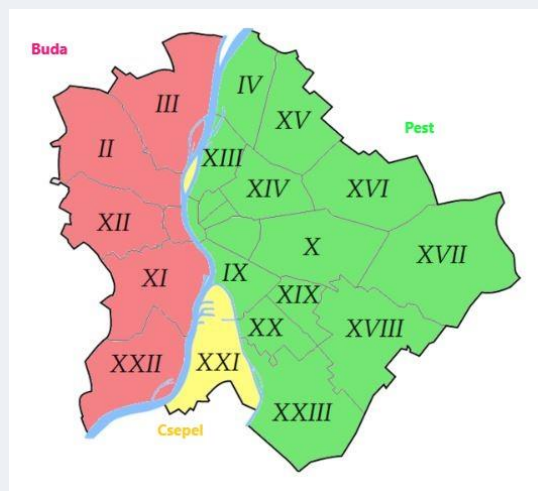
- Fully developed neighborhood
- Moderately developed neighborhood
- Developing neighborhood
- Under developed neighborhood

This will aid anyone who visits Budapest city to decide the place of stay based on what each neighborhood has to offer and their personal preferences.

Data

In order to perform a meaningful analysis, we need data from reliable sources. To understand our problem and quantify results, the following data is used:

1. List of all districts of the city and postal codes are extracted from the below url:
https://en.wikipedia.org/wiki/List_of_postal_codes_in_Hungary
2. Then the Borough names are added as per the below map:



3. Geographical co-ordinates of each neighborhood is extracted using the Gecoder from Geopy python library.
4. Foursquare developer access to venue data : <https://foursquare.com/developers//>
Foursquare API is used to explore and extract the list of all venues and their frequencies of the neighborhood of the Budapest city. This data is used to further cluster the neighborhood based on their similarities.