Venues & House Price Data Analysis of Stockholm

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1. Introduction

1.1 Background

The entire Stockholm metropolitan area consisting of 26 municipalities and has a population of over 2.2 million making it the most populous city in the Nordic region. It has a population density of 5.200 people per square kilometer [1].

1.2 Problem

Stockholm is a city with high population and population density in Sweden, and living cost is comparably higher than other cities of Sweden as well. Newcomers of the city may want to choose the area where housing price is lower but still not too far away from social places.

1.3 Interest

In this project, I aim to describe different municipalities of Stockholm by studying surrounding available venues. I create a map and information chart where the real estate index is placed on Stockholm and each municipality is clustered according to the venue density. The result may useful for people who is moving to

Stockholm and wanted to find a place which is match to one's economy as well as lifestyle and hobbies.

2. Data acquisition and cleaning

What and where to collect the data are essential step in this project.

- I download the excel file from Svensk Mäklarstatistik [2]. The file has average house price of all cities of Sweden. I cleaned the data and reduced it to city of Stockholm.
- I used Google [4] to get the equivalent latitude and longitude values of each municipality in Stockholm.
- I used **Forsquare API**[3] to explore neighborhood venues in Stockholm.

3. References

[1] Stockholm --- Wikipedia

[2] Svensk Mäklarstatistik

[3] Foursquare API

[4] Google Map