

The Battle of Neighbourhoods

Week 1

Introduction

Budapest, Hungary is one of the biggest start-up hubs of the CEE region, and numerous multinational companies have offices/ factories located here as well. As a result, the number of expats in the city is growing, and is expected to grow further if the economy does well. Being a local of Budapest, I have been witnessing the globalization of my home city for quite a few years now, and my project intends to offer some insight to those who would consider moving here.

Business Problem

When a person moves into a new place there are a number of factors to be considered before they can comfortably agree on a place to settle. My project will explore 22 of Budapest's districts from two main perspectives - rental prices and things to do.

The overall purpose is to provide an outline of the city map - so it is easier to consider the advantages and disadvantages of certain areas based on the cost of renting and additional opportunities for leisure activities. It is probably most useful for those who already know where they would be working as that location would come in as an extra factor. Nevertheless, I hope my analysis will provide some valuable guidance for anyone interested.

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Data

In order to conduct my analysis I will use three main sources of data - Wikipedia, a website with real-estate related statistics, and the Foursquare API.

To get the average monthly rental price per district, I am going to scrape the database from a real estate agency's [website](#). The first thing I need to do is to read the table into a dataframe, and remove the parts that I will not need. Budapest has 23 districts, however, given that there was no data available concerning district 23, I will not include this area in my analysis. In order to make the mapping part easier, I will also scrape the [Wikipedia page of Budapest](#) for the relevant postal codes, and I am going to add that to the dataframe.

	District number	Postal code	Price per m2 in HUF	Monthly rent in HUF
1	I.	1010	3 948	321 000
2	II.	1020	3 624	353 000
3	III.	1030	2 788	166 000
4	IV.	1040	2 663	100 000

The second part of data will be obtained by the use of Geocoder - to get the coordinates of each district, and I will utilize the Foursquare API to explore each neighbourhood. The top 5 venues per neighbourhood will be listed.