

Capstone Project – The Battle of Neighborhoods



1. Project description

Moving to Warsaw is the most common direction of migration in Poland, many people search of a good house prices and good rating schools for their childrens. This project focuses on analyzing the features of neighborhoods and comparative analysis between them. The features include mean price per squared meter, school rating and occurring venues.

The aim of this project is to help choose the most suitable neighborhood and to get awerness of the place before moving in.

2. Location

Warsaw is the capital and the largest city of Poland. It is located in the center of the country, which makes it easily accessible from the other parts of Poland. The city's agglomeration is highly populated due to its economic potential and the best job opportunities (the average salary in Warsaw is higher than anywhere in the country). Rich and diverse educational offer attracts people from all over the world.

3. Data

Informations about Warsaw's districts was obtained from **Wikipedia** [1], they contain the names of the districts, number of inhabitants, area and density of population. Geographical coordinates of the city and neighborhoods were obtained through the **Geopy** library. In the next step a **Foursquare API** was used which, based on geographical coordinates, returned places in the area along with their exact location and category. Information about Warsaw school grades comes from <http://egzaminny.edu.pl/> [2]. Mean price per square meter comes from <https://nieruchomosci.dziennik.pl/> [3].

2.Sources

[1] https://pl.wikipedia.org/wiki/Podzia%C5%82_administracyjny_Warszawy

[2] <http://egzaminy.edu.pl/rekrutacja-do-liceum/rankingi-szkol-warszawskich/ranking-gimnazjow-publicznych-i-niepublicznych-w-warszawie-z-najlepszymi-wynikami-na-egzaminach-2016-r-portalu-egzaminy-edu-pl>

[3] <https://nieruchomosci.dziennik.pl/kupno-i-wynajem/artykuly/594650,ceny-mieszkan-kupie-mieszkanie-w-warszawie-nieruchomosci-dom-pieniadze.html>