

A. Introduction

A.1. Description & Discussion of the Background

Minsk is the capital and largest city of Belarus. As the capital, Minsk has a special administrative status in Belarus and is the administrative center of Minsk Region and Minsk District. The population in January 2018 was 1,982,444 making Minsk the 11th most populous city in Europe. As a resident of this city, I decided to use Minsk in my project. The city is divided into 9 boroughs and 64 neighborhoods in total.

In this project, I would like to raise the topic of a healthy lifestyle. Consider which neighborhoods of Minsk are most suitable for this (gyms, swimming pools, yoga studios q-ty). Additionally, I will attempt to answer the question for investor “Where should I open a gym?”

When we consider all these problems, we can create a map where each neighborhood is clustered according to the venue density.

A.2. Data Description

To consider the problem we can list the data as below:

- I didn't find any useful file with Administrative Divisions. So I used different resources (wiki, Ato.by, realt.by) and created excel file with all boroughs and neighborhoods of Minsk. I cleaned the data and used **geopy** library to add latitude and longitude.
- I used **Forsquare API** to get the most common venues.
- I used **transliterate** library to convert all text from Russian