

Coursera IBM Applied Data Science Capstone

Opening a New Private Language center in Moscow, Russia

Introduction

For many people who are wondering to visit new countries for studies, tourism, the first thing that it comes in mind, is what is the language of the destination country. So a lot of them start taking courses to improve their skills in that language. To do so, joining a language center may be a good choice. As with any business decision, opening a new private language center requires serious consideration and is a lot complicated than it seems. Particularly, the location of the language center is one of the most important decisions that will determine whether the project will be a success or a failure.

Business Problem

The objective of this capstone project is to analyze and select the best locations in the city of Moscow, Russia to open a new private center language. Using data science methodology and machine learning techniques like clustering this project aims to provide solutions to answer the business question : What would be the best place, neighborhood to open a new private center language ?

Data

To solve the problem, we will need the following data :

- List of neighborhoods in Moscow. This defines the scope of this project which is confined to the city of Moscow
- Latitude and longitude coordinates of those neighborhoods. This is required in order to plot the map and also to get the venue data.
- Venue data, particular data related to centers of languages. We will use this data to perform clustering on the neighborhoods.