IBM Data Science Capstone Project

Subject: Best places to open restaurant in Warsaw

Introduction/Business Problem

The objective of this problem is to analyse restaurant locations in districts of

Warsaw (the capital city of Poland). This analysis will allow to select the best places

to open a new restaurant. The main audience of this project are entrepreneurs willing

to launch a new restaurant or restaurants chains. Using insights from this project,

stakeholders will be able to make better and more effective business decisions.

Foursquare location data will be enhanced with statistical information to give a

detailed picture of situation. The project will use analytical approach, especially

clustering algorithms will be used.

Data

The following data sets will be used in project:

• List of districts in Warsaw (web scraping from Wikipedia:

https://en.wikipedia.org/wiki/Districts of Warsaw)

Geographical coordinates of districs (using geopy package)

Foursquare data (extracted by Foursquare API using geographical

coordinates, data will include information about restaurants in 1,5 km radius

from the center of each district), for each district the number of restaurant of

each type will be counted

Statistical information (such as number of inhabitants in each district, income, unemployment rate and other demographic data to enhance locations analysis, data will be acquired from Polish statistical office:
 https://warszawa.stat.gov.pl/publikacje-i-foldery/inne-opracowania/panoramadzielnic-warszawy-w-2017-r-,5,19.html)