**Coursera Capstone**

IBM Applied Data Science Capstone

Opening a new Russian restaurant in Chicago

, IL



**Intro**

Chicago is a quite diverse and multicultural city and as a result it offers a wide variety of different cuisines from different countries for its guests and residents. Therefore, opening a restaurant could be a very challenging task. Potential new owner must consider a lot of things. What kind of restaurant it will be, what cuisine to serve, how will be his target customers and e.c.t. One of the crucial elements of opening restaurant is a location. Picking a right location could be a very hard task and one of the most important decisions that will determine whether the restaurant will be successful or failure in a future.

**Business Problem**

The objective of this capstone is to analyze and select the best locations in city of Chicago to open new Russian restaurant. Using data science methods and ML techniques this projects goal is to provide a recommendation to the one of the business questions like where potentially new restaurant owner of Russian cuisine should open his business in Chicago.

**Data**

* List of suburbs in Chicago city.
* Venue data (Restaurants with specific cuisine)
* Coordinates

**Sources of data**

The neighborhood data will be taken form Wiki page (<https://en.wikipedia.org/wiki/List_of_neighborhoods_in_Chicago>). It contains a list of all neighborhoods and community areas. This data will be extracted by scraping techniques, we will use **beautifulsoup** package for this. Coordinates will be provided by **Geocoder** package. Foursquare will provide the restaurant data.