**Capstone Project**

**Introduction problem**

Thousands of people dream of starting and owning a successful restaurant. From those whose profession is a cook to successful data scientists. The key word, of course, is "successful." In almost every case the path to entrepreneurial success starts with **choosing the right location** for their new restaurant.

There are a lot of advices for finding the right location for your new restaurant. But we will focus only on one.

When looking for a restaurant location, you should consider who else is doing business in the neighborhood. Are there already half a dozen restaurants with the same concept as yours? Is the area busy or full of empty storefronts? Successful businesses attract other successful businesses.

I will use Foursquare location data for finding restaurants around Kiev city. Our choice will be a group of popular restaurants. We will get it’s popularity by using another Foursquare Api call to explore each restaurant and get the rating. That will be our criteria to choose top 3 groups of restaurants.

**Data problem**

Firstly, I am going to use search foursquare regular call to find restaurants in Kiev. After that I will use premium call for exploring each restaurant. We need this because we want to get it’s rating. Then I will use clustering algorithm to group restaurants based on it’s location and rating.