Data Science Capstone

Finding the ideal spot for a new restaurant in Miami, Florida.

Business Problem

▶ A group of investors wants to open a number of fine dining restaurants in the United States of America. New York, Miami and Los Angeles are the cities they are mostly interested in. New York's current market was analyzed before so now its time for Miami, Florida.

▶ By using available data and taking into consideration multiple parameters for every neighborhood in Miami, we will make recommendations to the investors about the possible ideal spots for their restaurant and its suggested cuisine .

Background

- Miami is a major center and leader in finance, commerce, culture, media, entertainment, the arts, and international trade. The metro area is by far the largest urban economy in Florida and the 12th largest in the United States.

- Miami is the sixth most densely populated major city in the United States.

- Miami is split roughly into north, south, west and Downtown areas.

- The cuisine of Miami is a reflection of its diverse population, with a heavy influence from Caribbean and Latin American cuisine. By combining the two with American cuisine, it has spawned a unique South Florida style of cooking known as Floribbean cuisine.

Data

- ▶ Miami neighborhoods information from Wikipedia(names, population).

- ▶ Foursquare location data in order to find nearby venues, and cluster neighborhoods together(venue name, coordinates and category). Data will be visualized into maps using folium.

- ▶ Visualized demographic data(bar charts, box plots etc.) from various sources about Miami like:

  - Age

  - Average income

  - Race

Detailed information about our data and the way we use them, will be available on next week's presentation after an extensive search for online available data.