

Capstone Project

IBM Applied Data Science

Opening a Sushi Restaurant in Buenos Aires

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Data section

For this project we will need the following data:

- Buenos Aires data containing a list of its neighborhoods along with their latitude and longitude.
 - Data source: https://en.wikipedia.org/wiki/Neighbourhoods_of_Buenos_Aires
- GeoSpace data.
 - This will let us retrieve the geographical coordinates (latitude and longitude) of the city of Buenos Aires and of all its neighborhoods.
- Venues data by neighborhood.
 - From this list we'll get all the restaurants on each neighborhood and filter the neighborhoods with sushi restaurants.
 - Data source: Foursquare API

Libraries which will be used to develop this project

- Pandas: for creating and manipulating dataframes.
- Folium: to visualize the neighborhoods and cluster distributions on interactive maps.
- Scikit Learn: for statistical modeling (k-means clustering).
- Json: library to handle json files.
- Geocoder: to retrieve location data.

- Beautiful Soup and Request: Python packages to make use of data from web pages.
- Matplotlib: for creating plots.