

DATA

Datasets Extracted from the Website of the Government of the City of Buenos Aires.

	Dataset	Description
GeoSpace Data	http://cdn.buenosaires.gov.ar/datosabiertos/datasets/barrios/barrios.geojson	By using this GeoSpace data we will get the Buenos Aires borough boundaries that will help us visualize the Choropleth map.
Apartment sale price	http://cdn.buenosaires.gov.ar/datosabiertos/datasets/acceso-vivienda-y-mercado-inmobiliario/precio-venta-deptos.csv	This dataset contains all the neighborhoods of Buenos Aires city. The average price of m2 (dollars) of apartments used and brand new for sale of 2 and 3 rooms. Source DGEyC-GCBA based on Argenprop database.
Cultural Dependencies	http://cdn.buenosaires.gov.ar/datosabiertos/datasets/dependencias-culturales/dependencias-culturales.csv	This dataset contains the geographical location of the cultural dependencies in the City including bookstores, bars, clubs, radios, libraries, discotheques, museums, art galleries and carousels in the City.
Universities	http://cdn.buenosaires.gov.ar/datosabiertos/datasets/universidades/universidades.csv	This dataset contains the geographical location and contact details of the Universities in the City
Craft beer bar in each neighborhood of Buenos Aires	Foursquare API	API to get information about all the venues in each neighborhood. We can filter these venues to get only Bar or Craft Beer Shops

Approach

- First, we will obtain geospatial information about the city's neighborhoods. Also the list of neighborhoods and to which commune it belongs, the average of m2 in dollars by neighborhood, list of cultural dependencies and universities. We will count them and place them on the map using Folium.
- With the Foursquare API, we will look for all the venues that are around the neighborhoods.
- We will filter all the venues that are Craft Beer Shops, we will count them and place them on the map.
- Find ratings, likes, and tips for each Craft Beer Shops using FourSquare.
- Sort the data and find the best candidate neighborhoods.

- Visualize results on the map.

With the datasets mentioned above, we will answer the following questions:

- What are the most expensive neighborhoods in Buenos Aires?
- What neighborhoods have more libraries, bookshops, cultural dependencies and universities?
- What neighborhoods have more Craft Beer Shops?
- What areas lack Craft Beer Shops?
- What areas have the potential to open a Bar?
- What is the best location in Buenos Aires to open a Bar?