

# Data Section

In summary the data would be collected and cleaned in to DataFrame and then processed to be classified, the final step would be extracting the result DataFrame to be plotted into map.

- 1 – Collecting Data for the target city
- 2 – Cleaning Data to be usable
- 3 – Extract the venues with their categories for the target neighborhood
- 4 – restructuring the category section : extracting all the similar category into one category (for example : there is “Gym”, “Club Gym”, “Open Gym” ... that would be all designed to “Gym” so the grouping later would be more efficient and would help with step “7” )
- 5 – Grouping Data according to Category
- 6 – Collecting what the client want as business ( input )
- 7 – eliminating the input category from the data
- 8 – Plotting the places where the input category don’t belong to