

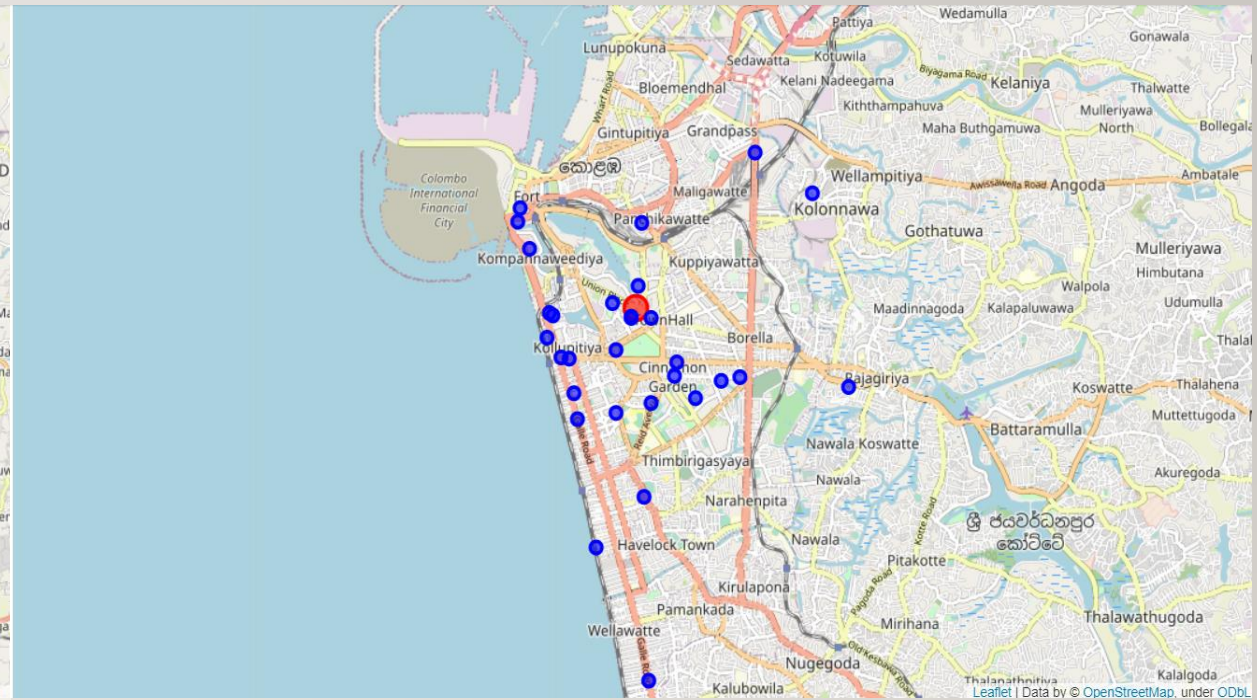
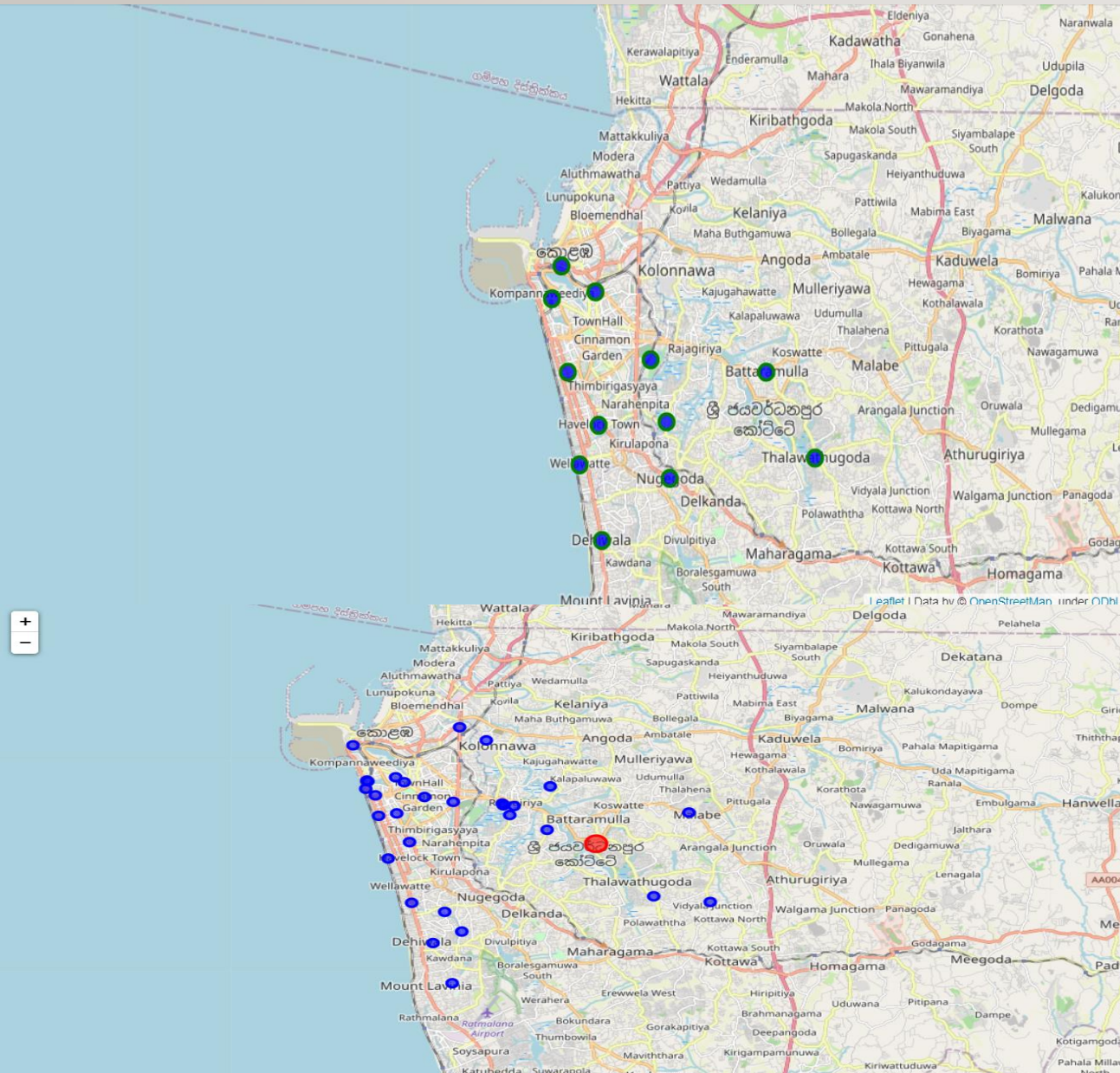
# CAPSTONE PROJECT

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IDEAL LOCATIONS FOR A COFFEE SHOP



# Geographical Data





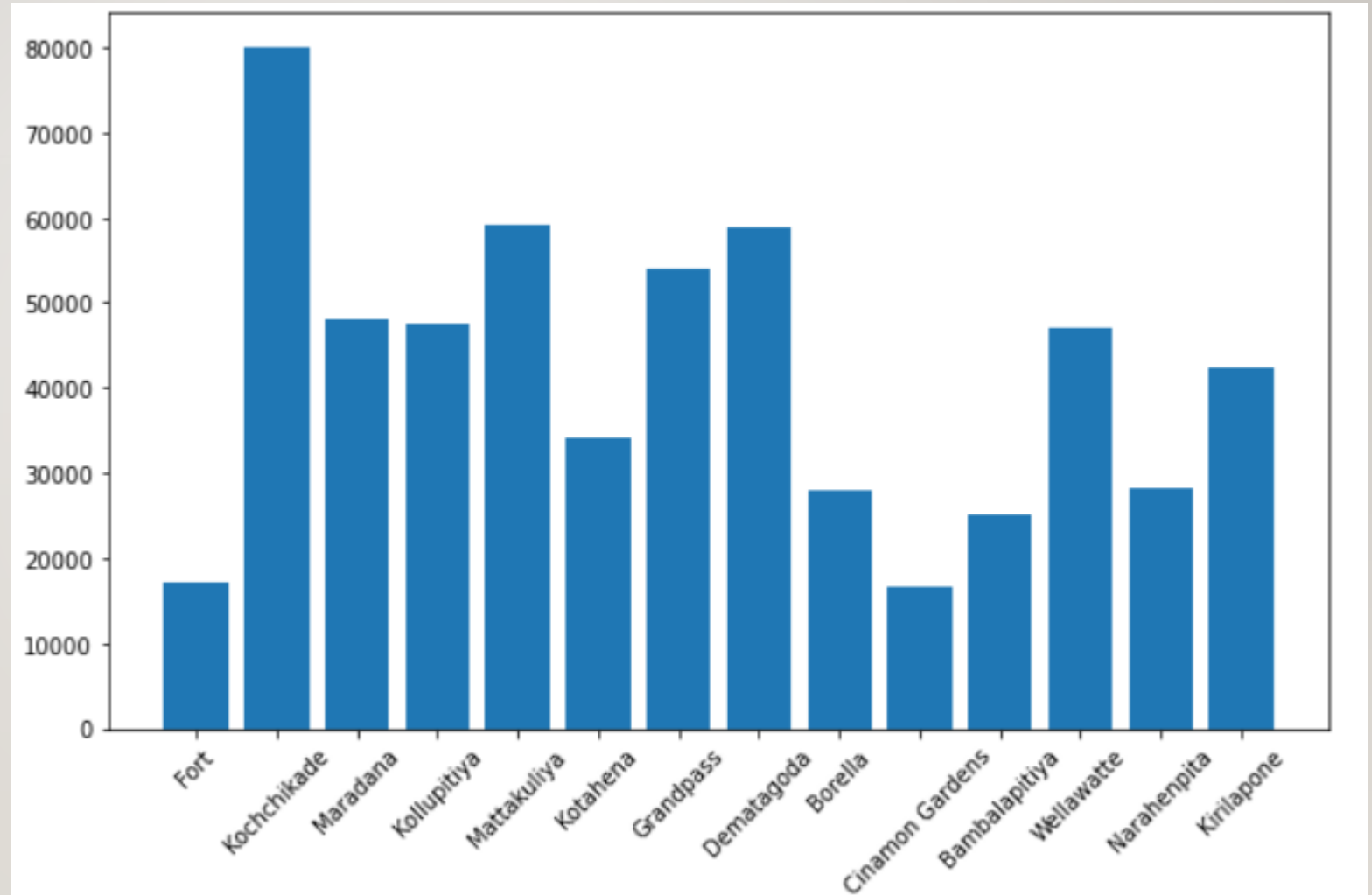
The map on the top left hand side depicts the clusters of Neighborhoods of Colombo. This is to have an easy visualization of the neighborhoods of Colombo.

The map on the top right hand side depicts the coffee shops located at a 10km radius from the city center of Colombo which is Union Place.

The map on the bottom left hand side depicts the coffee shops at a 10km radius from Parliament Road that shows more areas suitable for a location to start a coffee shop.

# Exploratory Data Analysis

	Neighbourhood	Number	Population
0	Fort	1	17029
1	Kochchikade	2	80045
2	Maradana	3	47997
3	Kollupitiya	4	47432
4	Mattakuliya	5	59027
5	Kotahena	6	34052
6	Grandpass	7	54018
7	Dematagoda	8	58854
8	Borella	9	27849
9	Cinamon Gardens	10	16738
10	Bambalapitiya	11	25122
11	Wellawatte	12	47163
12	Narahenpita	13	28144
13	Kirilapone	14	42366



The exploratory data analysis in the previous slide depicts the population rate of different neighborhoods of Colombo.

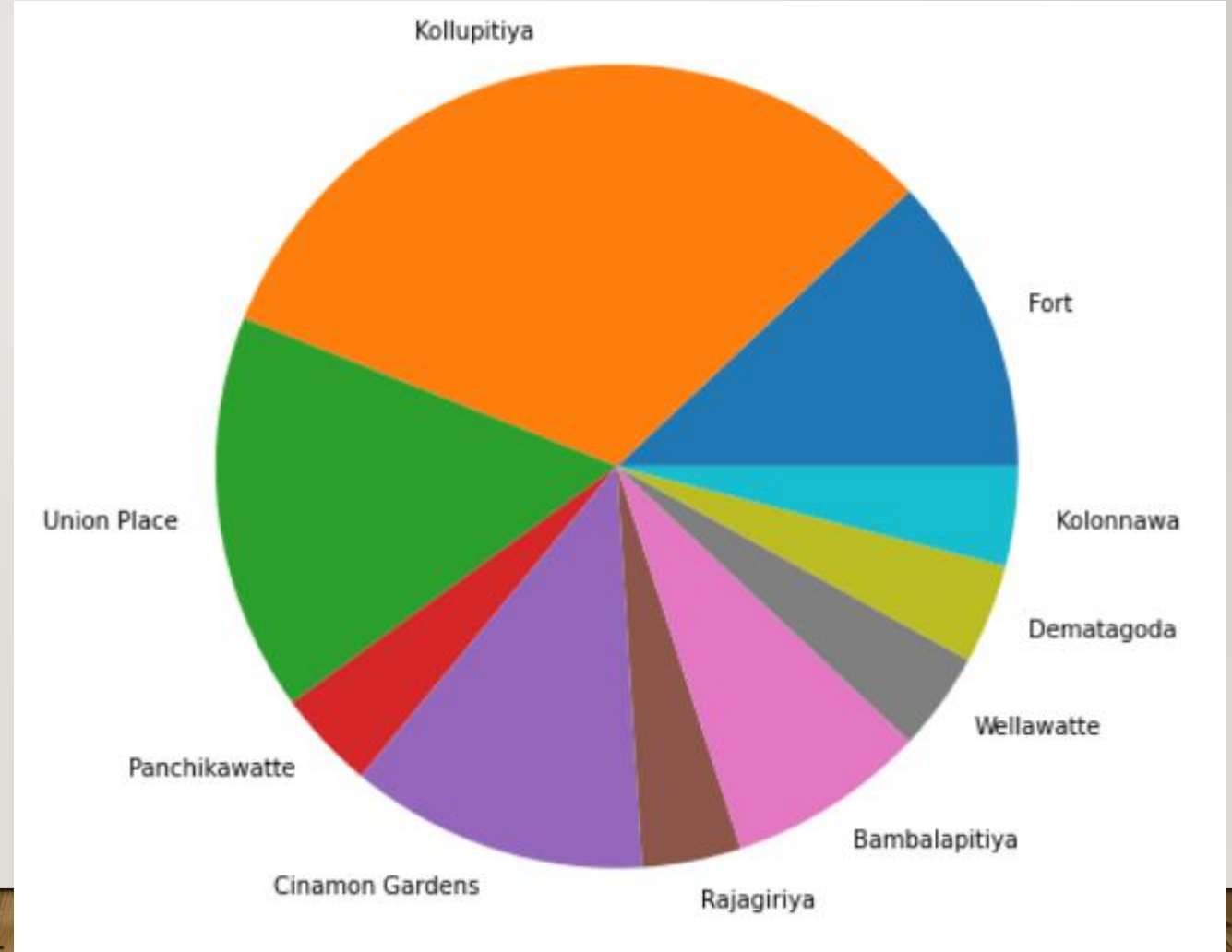
For better understanding the data is represented in a bar chart and to show the variation of population rate.

According to the previous slide Kochchikade shows the highest population rate as it is a dense populated area.

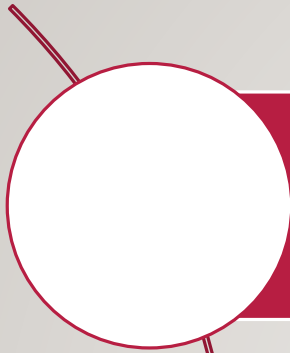
It is important to have an idea on population to make sure

# Pie Chart

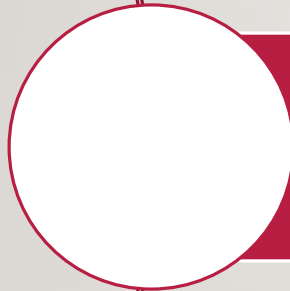
	Neighbourhood	Coffee Shops
0	Fort	3
1	Kollupitiya	8
2	Union Place	4
3	Panchikawatte	1
4	Cinamon Gardens	3
5	Rajagiriya	1
6	Bambalapitiya	2
7	Wellawatte	1
8	Dematagoda	1
9	Kolonnawa	1



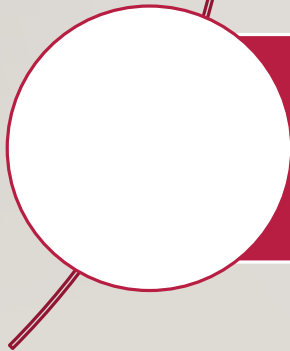




The above pie chart depict the number of coffee shops that are in each area.



We can see that kollupitiya has the most number of coffee shops according to the pie chart and compares the proportion with others.



This is an important data set in order to find the number of coffee shops located in that area so to understand the competition in that area.

# Conclusion

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- It is required to understand the factors such as location, number of coffee shops in the particular area, population rate of that area when selecting a suitable location for a coffee shop.
- The distance matters when choosing a location as to how long the coffee shop will be from the city center and from an ideal location for a coffee shop (With parks etc.).
- By obtaining these results it will be convenient for stake holders to join in the business and start a coffee shop.