IBM Applied Data Science Capstone Project

The Battle of Neighborhoods: Choosing the Best Location for Your Next Food Business

by Inna Nicole Sumalnap

Introduction

Quezon City is the largest city in the Philippines in terms of population. Quezon City has an area of 16,112.58 hectares, which accounts for one-fourth of the entire Metropolitan Manila. According to the Quezon City Government Official Website, there has been an increasing trend in the number of registered businesses from 2008 to 2013. The latest count is at 64,515 with 13,417 as new and 51,098 renewals. More than 90% belongs to the services sector, where hotels & restaurants activities rank 3rd in terms of share.

Quezon City is located on the northeast side of Metro Manila. It is easily accessible from the major highways and mass transit systems, making it a good location for one's food business. The online real estate marketplace <u>Lamudi</u> even considers Quezon City as a haven for food lovers and bar-hoppers due to a wide variety of restaurants available in the area.

The goal of this project is to help entrepreneurs in their search for the best location for their food business. It is generally considered that location is one of the most crucial factors to consider when putting up a business. Along with the restaurant's menu, location can make a huge difference in the success of a food business. In an article published by the Entrepreneur magazine, Greg Kahn, founder and CEO of Kahn Research Group said that "the best place to be is as close to your biggest competitor as you can be". This means that other restaurants selected their locations based on the favorable aspects of that area. On the other hand, having a concept that is almost indistinguishable to neighboring restaurants also have its drawbacks as highlighted in an article by EHL Insights. For one, it will be very difficult to win over your neighbors' loyal customers.

The main contribution of this project is to provide entrepreneurs with business location alternatives. Specifically, it seeks to:

- identify the most common restaurant types in each of the neighborhoods in Quezon City
- cluster similar establishments in the city
- visualize these clusters on the map
- develop actionable insights and make recommendations about possible locations for a food business in Quezon City

Data

In order to achieve the objectives of this project, the following data were obtained and preprocessed.

1. The list of neighborhoods in Quezon City were collected. It is publicly available on the official website of the Philippine Statistics Authority.

- 2. The latitude and longitude values of Quezon City were obtained using the Geopy library. This was used to create the map of the city.
- 3. The coordinates of each of the neighborhoods in Quezon City were also obtained using the Geopy library. This was used to show the location of the neighborhoods in the map.
- 4. The number and types of restaurants for each location were collected using the Foursquare API. This will address the first objective outlined above.

Methodology

In this section, the methodology used to analyze the data will be discussed.

Data Collection and Preprocessing

The necessary data is collected from various sources. The process is detailed as follows.

- 1. The list of *barangays* was downloaded from the official website of the Philippine Statistics Authority. A **barangay**¹ is a small territorial and administrative district forming the most local level of government in the Philippines. There are 142 barangays in Quezon City. Refer to Appendix A for the list of barangays.
- 2. The coordinates of Quezon City and its neighborhoods were obtained using the Geopy library. The latitude and longitude values were used to create a map visualizing Quezon city and its neighborhoods. This was done using the Folium library.
- 3. The resulting map was inspected, and it was observed that the coordinates of one of the neighborhoods were incorrectly assigned. See Figure 1. This is Barangay San Roque. In the Philippines, there is a province called Quezon. Filipinos refer to it as Quezon Province to distinguish it from Quezon City. Apparently, a neighborhood called San Roque also exists in Quezon Province. This was then incorrectly picked up by Geopy. To rectify this, the coordinates of Barangay San Roque, Quezon City was checked separately. This replaced the incorrect values initially supplied.
- 4. The Foursquare API was used to collect the number and types of food establishments in the area.

Exploratory Data Analysis

The analyses performed to explore the data are discussed below.

- The venues collected using the Foursquare API were then grouped by neighborhood. This showed the number of venues returned for each neighborhood. Notice that there were no venues returned for 2 neighborhoods i.e., a total of 140 out of 142 neighborhoods had information on food venues. Furthermore, 84 different categories of food establishments in the area were noted.
- 2. The 10 most common restaurant types as well as the 10 least common restaurant types in Quezon City were also identified. Refer to Tables 1 and 2.
- 3. The DataFrame with the coordinates of the neighborhoods were merged with the DataFrame showing the number of food venues for each neighborhood. The resulting DataFrame contains the name of the neighborhood, the latitude, the longitude and the number of food venues in that neighborhood. Using this information, a map was created to visualize the area. The size of the markers corresponds to the number of food venues in the neighborhood. See Figure 2.

¹ Throughout this study, *neighborhood* will be used interchangeably with *barangay*.

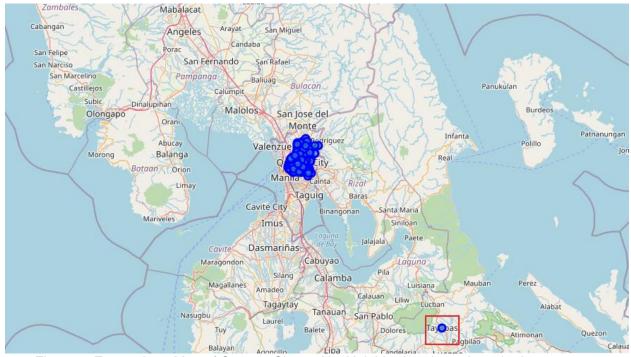


Figure 1. Zoomed-out Map of Quezon City and its Neighborhoods to show the Incorrect Coordinates for One Neighborhood (Barangay San Roque).

| | Venue Category |
|----------------------|----------------|
| Fast Food Restaurant | 248 |
| Café | 232 |
| Filipino Restaurant | 222 |
| Chinese Restaurant | 197 |
| Bakery | 173 |
| BBQ Joint | 156 |
| Pizza Place | 114 |
| Burger Joint | 110 |
| Restaurant | 109 |
| Japanese Restaurant | 95 |

Table 1. Ten Most Common Restaurant Types in Quezon City.

Venue Category

| 1 | Pet Café |
|---|---------------------------------|
| 1 | Udon Restaurant |
| 1 | Molecular Gastronomy Restaurant |
| 1 | Japanese Curry Restaurant |
| 1 | Taco Place |
| 1 | Theme Restaurant |
| 1 | German Restaurant |
| 1 | Peruvian Restaurant |
| 1 | Gluten-free Restaurant |
| 1 | Malay Restaurant |

Table 2. Ten Least Common Restaurant Types in Quezon City.

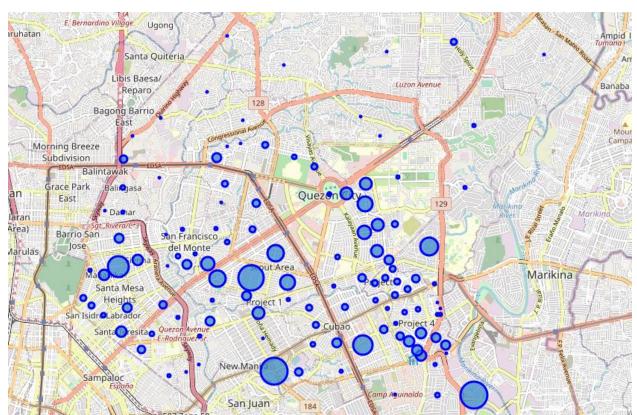


Figure 2. Map of Quezon City and its Neighborhoods. Size of Markers is Proportionate with the Number of Food Venues in that Neighborhood.

Clustering

The main objective of this project is to help entrepreneurs in their search for the best location for their food business. One way of doing this is to cluster similar food establishments in the area. K-means clustering, an unsupervised machine learning algorithm, was used in this project. This will be done with the help of the Scikit-learn library.

- 1. Venue categories, which are categorical variables, were transformed into dummy variables.
- 2. The rows of the resulting DataFrame were grouped by neighborhood and the mean occurrence of each category was calculated.
- 3. The optimal number of clusters was determined using the elbow method. Accordingly, six clusters were appropriate.

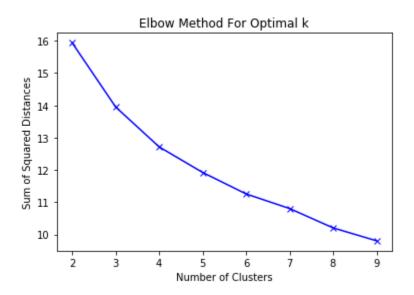


Figure 3. Elbow Method for Identifying the Optimal Number of Clusters

Results and Discussion

K-Means Clustering

The number of clusters was set at six as suggested by the elbow method. The Scikit-learn library was used to cluster the neighborhoods. Subsequently, the clusters were visualized in a map.

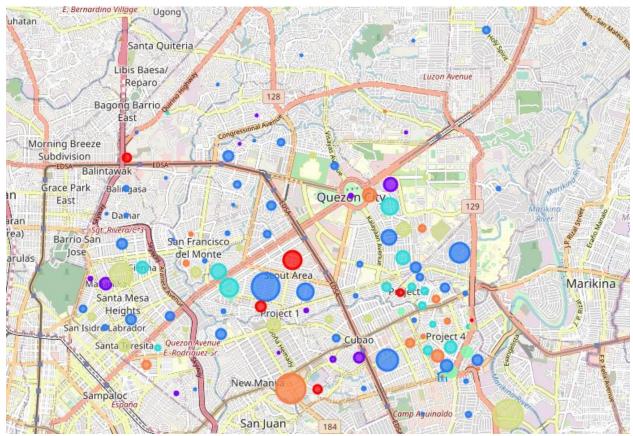


Figure 2. Map of Quezon City, its Neighborhoods, and their Clusters. Size of Markers are Proportionate to the Number of Food Venues in that Neighborhood.

Before examining each cluster, a new DataFrame that includes the cluster as well as the top 10 venues for each neighborhood was created. This made it easier to check the most common restaurant types in each cluster and in each of the neighborhoods. Note that neighborhoods with less than 10 food venues were excluded from this analysis. Out of 140, only 95 neighborhoods have 10 or more food venues.

Each cluster was then examined. Refer to Appendix B for the complete list of neighborhoods in each cluster. The most common types of restaurant for each cluster are shown in the below table.

| Cluster | Most Common Type |
|-----------|-------------------------------------|
| Cluster 1 | Burger Joint |
| Cluster 2 | Filipino Restaurant |
| Cluster 3 | Café |
| Cluster 4 | Chinese Restaurants |
| Cluster 5 | Filipino Restaurant, Wings Joint |
| Cluster 6 | Fast Food Restaurant |

Table 3. Most Common Restaurant Types in Each Cluster

Summary and Conclusion

In summary, the results provided in this project may help entrepreneurs select the location of their next food business. Knowledge of the most common types of restaurants in an area will enable them to plan strategically. Careful consideration whether to put up a restaurant in an area where similar restaurants are commonly found is therefore recommended. Close proximity to your competitors has both benefits and drawbacks. As mentioned earlier, one disadvantage is tight competition. It is harder to establish your presence, especially if your competitors are more established and well-known in the industry. In contrast, one benefit that you can take advantage of as mentioned by Greg Kahn in the Entrepreneur article is foot traffic. In many cases, your competitors may have already used large portions of their advertising budget towards driving traffic to their locations.

These are some of the factors to consider when choosing the best location for your next food business. Other considerations were not discussed in this report as business administration and marketing are outside the domain expertise of the author.

In conclusion, whether an entrepreneur looking to establish a food business in Quezon City believes that the advantages of close proximity to competitors outweigh the disadvantages or not, they could still benefit from the results of this study by being equipped with the knowledge of the most common restaurant types in each of the neighborhoods. For example, if an entrepreneur is planning to put up a burger joint and they believe that close proximity to competitors is beneficial, then they should setup their restaurant in the neighborhoods in Cluster 1. In short, it is still up to the entrepreneur how they are going to utilize the insights provided by this project.

References

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https://www.lamudi.com.ph/journal/10-reasons-why-quezon-city-is-one-of-the-best-places-to-live-in-metro-manila/

https://stanford.edu/~cpiech/cs221/handouts/kmeans.html

APPENDIX A: Barangays (Neighborhoods) in Quezon City, Metro Manila, Philippines

| Alicia | Laging Handa | San Roque |
|---------------------------|--------------------------------------|-------------------------|
| Amihan | Libis | San Vicente |
| Apolonio Samson | Lourdes | Santa Cruz |
| Aurora | Loyola Heights | Santa Lucia |
| Baesa | Maharlika | Santa Monica |
| Bagbag | Malaya | Santa Teresita |
| Bagumbuhay | Manresa | Santo Cristo |
| Bagong Lipunan Ng Crame | Mangga | Santo Niño |
| Bagong Pag-asa | Mariana | Santol |
| Bagong Silangan | Mariblo | Sauyo |
| Bagumbayan | Marilag | Sienna |
| Bahay Toro | Masagana | Sikatuna Village |
| Balingasa | Masambong | Silangan |
| Bayanihan | Santo Domingo | Socorro |
| Blue Ridge A | (Matalahib) | South Triangle |
| Blue Ridge B | Matandang Balara | Tagumpay |
| Botocan | Milagrosa | Talayan |
| Bungad | Nagkaisang Nayon | Talipapa |
| Camp Aguinaldo Central | Nayong Kanluran Novaliches Proper | Tandang Sora Tatalon |
| Claro | Obrero | Teachers Village East |
| Commonwealth | Old Capitol Site | Teachers Village West |
| New Era | Paang Bundok | U.P. Campus |
| Kristong Hari | Pag-ibig Sa Nayon | U.P. Village |
| Culiat | Paligsahan | Ugong Norte |
| Damar | Paltok | Unang Sigaw |
| Damayan | Pansol | Valencia |
| Damayang Lagi | Paraiso | Valendia |
| Del Monte | Pasong Putik Proper | Veterans Village |
| Dioquino Zobel | (Pasong Putik) | Villa Maria Clara |
| Doña Imelda | Pasong Tamo | West Kamias |
| Doña Josefa | Phil-Am | West Triangle |
| Don Manuel | Pinyahan | White Plains |
| Duyan-duyan | Pinagkaisahan | Balong Bato |
| E. Rodriguez | Project 6 | Capri |
| East Kamias | Quirino 2-A | Sangandaan |
| Escopa I | Quirino 2-B | Payatas |
| Escopa II | Quirino 2-C | Batasan Hills |
| Escopa III | Quirino 3-A | Holy Spirit |
| Escopa IV | Ramon Magsaysay | Greater Lagro |
| Fairview | Roxas | North Fairview |
| N. S. Amoranto (Gintong | Sacred Heart | |
| Silahis) | Saint Ignatius | |
| Gulod | Saint Peter | |
| Horseshoe | Salvacion | |
| Immaculate Concepcion | San Agustin | |
| Kaligayahan | San Antonio | |
| Kalusugan | San Bartolome | |
| Kamuning | San Isidro | |
| Katipunan | San Isidro Labrador | |
| Kaunlaran | San Jose | |
| Krus Na Ligas | San Martin De Porres | |
| | | |

APPENDIX B: Complete List of Neighborhoods in Each Cluster

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|-----|----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| 39 | Escopa IV | Burger Joint | Donut Shop | Food Court | Food Truck | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 42 | Gulod | Café | Noodle House | Burger Joint | Food Truck | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 43 | Horseshoe | Donut Shop | Pizza Place | Diner | Noodle House | Wings Joint | Eastern European Restaurant | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop |
| 70 | Obrero | Burger Joint | Steakhouse | Pizza Place | Fast Food Restaurant | Food Court | Food Stand | Empanada Restaurant | English Restaurant | Filipino Restaurant | Fish & Chips Shop |
| 84 | Quirino 2-A | Bakery | Diner | Deli / Bodega | Burger Joint | Wings Joint | Food Truck | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 115 | South Triangle | Burger Joint | Donut Shop | Fast Food Restaurant | Bakery | Filipino Restaurant | Breakfast Spot | Tapas Restaurant | Pizza Place | Chinese Restaurant | Food Stand |
| 126 | Unang Sigaw | Burger Joint | Café | Donut Shop | Diner | Pizza Place | Gluten-free Restaurant | German Restaurant | English Restaurant | Hot Dog Joint | Fast Food Restaurant |

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|------------------------------|
| 1 | Amihan | Bakery | Café | Burger Joint | Restaurant | Filipino Restaurant | Asian Restaurant | Pizza Place | Seafood Restaurant | Chinese Restaurant | Food Court |
| 2 | Apolonio Samson | Café | Fast Food Restaurant | Bakery | Snack Place | Chinese Restaurant | Food Truck | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 7 | Bagong Lipunan Ng Crame | Diner | Filipino Restaurant | Food Truck | Burger Joint | Seafood Restaurant | Breakfast Spot | Tapas Restaurant | Sushi Restaurant | Fried Chicken Joint | Bakery |
| 8 | Bagong Pag- asa | Café | Fast Food Restaurant | Asian Restaurant | Steakhouse | Filipino Restaurant | Fried Chicken Joint | Pizza Place | Bakery | Donut Shop | Breakfast Spot |
| 12 | Balingasa | Fried Chicken Joint | Japanese Restaurant | Bakery | Fast Food Restaurant | Food Court | Snack Place | Steakhouse | Sushi Restaurant | Shabu- Shabu Restaurant | Buffet |
| 15 | Blue Ridge B | Bakery | Asian Restaurant | BBQ Joint | Café | Filipino Restaurant | Restaurant | Burger Joint | Wings Joint | Middle Eastern Restaurant | Diner |
| 16 | Botocan | BBQ Joint | Filipino Restaurant | Burger Joint | Asian Restaurant | Café | Diner | Steakhouse | Restaurant | Sandwich Place | Chinese Restaurant |
| 17 | Bungad | BBQ Joint | Filipino Restaurant | Burger Joint | Café | Restaurant | Wings Joint | Sandwich Place | Bakery | Diner | Fast Food Restaurant |
| 18 | Camp Aguinaldo | Café | BBQ Joint | Bakery | Asian Restaurant | Soup Place | Food Truck | Mediterrane an Restaurant | Mexican Restaurant | Filipino Restaurant | Fast Food Restaurant |
| 19 | Central | BBQ Joint | Deli / Bodega | Fried Chicken Joint | Wings Joint | Food Stand | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 21 | Commonwealt h | Donut Shop | Snack Place | Food Stand | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 23 | Kristong Hari | Fast Food Restaurant | BBQ Joint | Bakery | Filipino Restaurant | Donut Shop | Café | Fried Chicken Joint | Korean Restaurant | Burger Joint | Diner |
| 25 | Damar | Steakhouse | Café | Japanese Restaurant | Taco Place | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |

| 30 | Doña Imelda | BBQ Joint | Filipino Restaurant | Pizza Place | Fast Food Restaurant | Wings Joint | Chinese Restaurant | Noodle House | Restaurant | Donut Shop | Middle Eastern Restaurant |
|----|--------------------------|------------------------|-------------------------|---------------------------|-------------------------------------|------------------------|-------------------------|-------------------------------|---------------------------------|---------------------------|---------------------------------------|
| 34 | E. Rodriguez | Burger Joint | Fast Food Restaurant | BBQ Joint | Bakery | Donut Shop | Filipino Restaurant | Café | Pizza Place | Noodle House | Fried Chicken Joint |
| 37 | Escopa II | BBQ Joint | Burger Joint | Pizza Place | Sandwich Place | Filipino Restaurant | Fish & Chips Shop | Comfort Food Restaurant | Food Court | Empanada Restaurant | English Restaurant |
| 38 | Escopa III | BBQ Joint | Donut Shop | Burger Joint | Sandwich Place | Filipino Restaurant | Fish & Chips Shop | Comfort Food Restaurant | Pizza Place | Gastropub | Fried Chicken Joint |
| 44 | Immaculate Concepcion | Korean Restaurant | Fast Food Restaurant | Café | BBQ Joint | Seafood Restaurant | Bakery | Pizza Place | Breakfast Spot | Filipino Restaurant | Burger Joint |
| 45 | Kaligayahan | Japanese Restaurant | Café | Seafood Restaurant | Filipino Restaurant | Italian Restaurant | Buffet | Cha Chaan Teng | Chinese Restaurant | French Restaurant | Korean Restaurant |
| 46 | Kalusugan | Café | Fast Food Restaurant | Asian Restaurant | Donut Shop | Bakery | Burger Joint | Portuguese Restaurant | Sandwich Place | Filipino Restaurant | Soup Place |
| 48 | Katipunan | Café | Chinese Restaurant | Pizza Place | Diner | Bakery | Fast Food Restaurant | Restaurant | Noodle House | Fried Chicken Joint | French Restaurant |
| 50 | Krus Na Ligas | Restaurant | Chinese Restaurant | Food Court | Vegetarian / Vegan Restaurant | Persian Restaurant | Bakery | Noodle House | Café | English Restaurant | Fast Food Restaurant |
| 51 | Laging Handa | Asian Restaurant | BBQ Joint | Bakery | Restaurant | Steakhouse | Burger Joint | Café | Food Court | Korean Restaurant | Italian Restaurant |
| 52 | Libis | Chinese Restaurant | Kebab Restaurant | Café | Japanese Restaurant | Bakery | Fast Food Restaurant | Pizza Place | Filipino Restaurant | Restaurant | Empanada Restaurant |
| 53 | Lourdes | Filipino Restaurant | Diner | Steakhouse | Chinese Restaurant | Burger Joint | Food Truck | Café | Middle Eastern Restaurant | Korean Restaurant | Southern / Soul Food Restaurant |
| 54 | Loyola Heights | Filipino Restaurant | Chinese Restaurant | BBQ Joint | Restaurant | Café | Fast Food Restaurant | Seafood Restaurant | Pizza Place | Steakhouse | Korean Restaurant |
| 57 | Manresa | Café | Burger Joint | Fried Chicken Joint | Wings Joint | Pizza Place | Fast Food Restaurant | Korean Restaurant | Steakhouse | Diner | Empanada Restaurant |

| 58 | Mangga | Bakery | Asian Restaurant | Seafood Restaurant | Fast Food Restaurant | Chinese Restaurant | Pizza Place | Noodle House | BBQ Joint | Vietnamese Restaurant | Filipino Restaurant |
|----|---------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|-----------------------------------|---------------------------------|---------------------------|---------------------------------|
| 63 | Masambong | Bakery | Fast Food Restaurant | Filipino Restaurant | Donut Shop | Japanese Restaurant | Restaurant | Chinese Restaurant | Fried Chicken Joint | Food Truck | Mediterrane an Restaurant |
| 64 | Santo Domingo (Matalahib) | Burger Joint | Filipino Restaurant | Noodle House | Donut Shop | Shawarma Place | Café | Eastern European Restaurant | Bakery | BBQ Joint | Breakfast Spot |
| 65 | Matandang Balara | BBQ Joint | Filipino Restaurant | Wings Joint | Pizza Place | Burger Joint | Chinese Restaurant | Fast Food Restaurant | Middle Eastern Restaurant | Asian Restaurant | Noodle House |
| 67 | Nagkaisang Nayon | Café | Diner | Bistro | Filipino Restaurant | Pizza Place | Restaurant | Vietnamese Restaurant | Bakery | Greek Restaurant | Food Court |
| 68 | Nayong Kanluran | BBQ Joint | Filipino Restaurant | Burger Joint | Restaurant | Diner | Persian Restaurant | Wings Joint | Sandwich Place | Breakfast Spot | Café |
| 71 | Old Capitol Site | Chinese Restaurant | Café | Buffet | Pizza Place | Filipino Restaurant | Japanese Restaurant | Kebab Restaurant | Korean Restaurant | Steakhouse | English Restaurant |
| 72 | Paang Bundok | Diner | Café | Ramen Restaurant | Filipino Restaurant | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food | Food Court |
| 73 | Pag-ibig Sa Nayon | Restaurant | Korean Restaurant | Filipino Restaurant | Snack Place | Chinese Restaurant | Food Court | Café | Gastropub | Fried Chicken Joint | French Restaurant |
| 75 | Paltok | Restaurant | Café | Filipino Restaurant | Bakery | Fast Food Restaurant | Japanese Restaurant | Italian Restaurant | BBQ Joint | Burger Joint | Chinese Restaurant |
| 76 | Pansol | Fast Food Restaurant | Filipino Restaurant | BBQ Joint | Restaurant | Italian Restaurant | Café | Food Truck | Donut Shop | Breakfast Spot | Bistro |
| 77 | Paraiso | Bakery | Asian Restaurant | Filipino Restaurant | Fast Food Restaurant | Snack Place | French Restaurant | Noodle House | Restaurant | Thai Restaurant | Buffet |
| 79 | Pasong Tamo | Café | Fast Food Restaurant | Filipino Restaurant | Japanese Restaurant | Restaurant | Chinese Restaurant | BBQ Joint | Diner | Dim Sum Restaurant | Comfort Food Restaurant |
| 80 | Phil-Am | Café | BBQ Joint | Fast Food Restaurant | Filipino Restaurant | Kebab Restaurant | Noodle House | Deli / Bodega | Food Truck | Fish & Chips Shop | Food |
| 81 | Pinyahan | Asian Restaurant | Buffet | Japanese Restaurant | Portuguese Restaurant | Chinese Restaurant | Restaurant | Udon Restaurant | Bistro | Food Stand | English Restaurant |

| 83 | Project 6 | Donut Shop | Fast Food Restaurant | Pizza Place | Café | Bakery | Filipino Restaurant | Fried Chicken Joint | Burger Joint | Japanese Restaurant | Comfort Food Restaurant |
|-----|------------------------|-------------------------|-------------------------|-------------------------------|-------------------------|-------------------------------|---------------------------|---------------------------|------------------------|---------------------------|-------------------------------|
| 86 | Quirino 2-C | Café | Fast Food Restaurant | Filipino Restaurant | Burger Joint | Donut Shop | Portuguese Restaurant | Sandwich Place | Food | Snack Place | Food Court |
| 88 | Ramon Magsaysay | Restaurant | BBQ Joint | Filipino Restaurant | Diner | Snack Place | Fast Food Restaurant | Empanada Restaurant | Seafood Restaurant | Italian Restaurant | Burrito Place |
| 89 | Roxas | Café | Fast Food Restaurant | Diner | Soup Place | Korean Restaurant | Donut Shop | Deli / Bodega | Food Truck | Chinese Restaurant | Restaurant |
| 90 | Sacred Heart | Café | BBQ Joint | Fast Food Restaurant | Donut Shop | Burger Joint | Korean Restaurant | Diner | Food Truck | Sushi Restaurant | Restaurant |
| 91 | Saint Ignatius | Café | BBQ Joint | Bakery | Restaurant | Steakhouse | Donut Shop | Fast Food Restaurant | Filipino Restaurant | Diner | Mexican Restaurant |
| 92 | Saint Peter | Fast Food Restaurant | Pizza Place | Fried Chicken Joint | BBQ Joint | Donut Shop | Filipino Restaurant | Soup Place | Seafood Restaurant | Café | Food Truck |
| 93 | Salvacion | Snack Place | BBQ Joint | Fast Food Restaurant | Donut Shop | Pizza Place | Fried Chicken Joint | Breakfast Spot | Burger Joint | Asian Restaurant | Food Court |
| 94 | San Agustin | Café | Japanese Restaurant | Comfort Food Restaurant | Fast Food Restaurant | Filipino Restaurant | Food | Asian Restaurant | Breakfast Spot | Gluten-free Restaurant | German Restaurant |
| 96 | San Bartolome | Bakery | Wings Joint | Restaurant | Café | Comfort Food Restaurant | Japanese Restaurant | Noodle House | Asian Restaurant | Tapas Restaurant | Doner Restaurant |
| 98 | San Isidro Labrador | Bakery | Filipino Restaurant | Asian Restaurant | Fast Food Restaurant | Snack Place | French Restaurant | Noodle House | Chinese Restaurant | Restaurant | Thai Restaurant |
| 107 | Santo Cristo | Fast Food Restaurant | Filipino Restaurant | BBQ Joint | Chinese Restaurant | Japanese Restaurant | Food Truck | Italian Restaurant | Breakfast Spot | Café | Burrito Place |
| 109 | Santol | Fast Food Restaurant | Filipino Restaurant | Japanese Restaurant | Restaurant | Chinese Restaurant | Café | Diner | Dim Sum Restaurant | Donut Shop | BBQ Joint |
| 114 | Socorro | Café | Chinese Restaurant | Fast Food Restaurant | Asian Restaurant | Donut Shop | BBQ Joint | Japanese Restaurant | Kebab Restaurant | Hot Dog Joint | Burger Joint |
| 119 | Tandang Sora | Café | Bakery | BBQ Joint | Asian Restaurant | Burger Joint | Restaurant | Steakhouse | Filipino Restaurant | Donut Shop | English Restaurant |

| 121 | Teachers Village East | Fast Food Restaurant | Chinese Restaurant | BBQ Joint | Donut Shop | Seafood Restaurant | Filipino Restaurant | Bakery | Burger Joint | Diner | Pizza Place |
|-----|--------------------------|--------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|-------------------------------|---------------------------------|---------------------------|---------------------------|
| 122 | Teachers Village West | Filipino Restaurant | BBQ Joint | Café | Chinese Restaurant | Diner | Burger Joint | Sandwich Place | Seafood Restaurant | Restaurant | Pizza Place |
| 128 | Vasra | Filipino Restaurant | Café | Diner | Japanese Restaurant | Bakery | Burger Joint | Chinese Restaurant | Korean Restaurant | Food Court | Steakhouse |
| 129 | Veterans Village | Filipino Restaurant | Bakery | Restaurant | Korean Restaurant | Japanese Restaurant | Café | Food Court | Burger Joint | Steakhouse | BBQ Joint |
| 130 | Villa Maria Clara | Café | Diner | Snack Place | Food Truck | Food Stand | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 131 | West Kamias | Café | Filipino Restaurant | BBQ Joint | Italian Restaurant | Bakery | Japanese Restaurant | Korean Restaurant | Restaurant | Bistro | Diner |
| 132 | West Triangle | Café | Mexican Restaurant | Dim Sum Restaurant | Deli / Bodega | Italian Restaurant | Bakery | Greek Restaurant | Food Court | Fast Food Restaurant | Filipino Restaurant |
| 133 | White Plains | Fast Food Restaurant | Asian Restaurant | Bakery | Filipino Restaurant | Japanese Restaurant | Pizza Place | Shabu- Shabu Restaurant | Breakfast Spot | Buffet | Chinese Restaurant |
| 134 | Balong Bato | Chinese Restaurant | Japanese Restaurant | Bakery | Café | Pizza Place | BBQ Joint | Diner | Fast Food Restaurant | Filipino Restaurant | Fried Chicken Joint |
| 135 | Capri | Asian Restaurant | Filipino Restaurant | Diner | Mexican Restaurant | Indonesian Restaurant | Fast Food Restaurant | Empanada Restaurant | Doner Restaurant | Dim Sum Restaurant | Restaurant |
| 136 | Sangandaan | Filipino Restaurant | Bakery | Café | Japanese Restaurant | Wings Joint | Seafood Restaurant | BBQ Joint | Donut Shop | Fast Food Restaurant | Fried Chicken Joint |
| 138 | Batasan Hills | BBQ Joint | Filipino Restaurant | Asian Restaurant | Restaurant | Bakery | Burger Joint | Café | Middle Eastern Restaurant | Persian Restaurant | Wings Joint |
| 139 | Holy Spirit | Bakery | Restaurant | Fast Food Restaurant | Filipino Restaurant | Café | Japanese Restaurant | Greek Restaurant | Food Court | Empanada Restaurant | English Restaurant |
| 140 | Greater Lagro | Café | Diner | Fast Food Restaurant | Steakhouse | Chinese Restaurant | Noodle House | Restaurant | Japanese Restaurant | Fried Chicken Joint | Sandwich Place |
| 141 | North Fairview | Vietnamese Restaurant | Noodle House | Korean Restaurant | Chinese Restaurant | Dim Sum Restaurant | Diner | Café | Sushi Restaurant | Filipino Restaurant | Japanese Restaurant |

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|--|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------|------------------------------|
| 0 | Alicia | Filipino Restaurant | Fast Food Restaurant | Burger Joint | Wings Joint | Food Truck | Empanada Restaurant | English Restaurant | Fish & Chips Shop | Food | Food Court |
| 3 | Aurora | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 11 | Bahay Toro | Filipino Restaurant | Korean Restaurant | Gastropub | Wings Joint | Food Stand | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food |
| 22 | New Era | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 24 | Culiat | Restaurant | Breakfast Spot | Chinese Restaurant | Food Stand | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 40 | Fairview | Filipino Restaurant | Donut Shop | Café | Comfort Food Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food | Food Court | Food Stand |
| 41 | N. S. Amoranto (Gintong Silahis) | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 47 | Kamuning | Asian Restaurant | BBQ Joint | Filipino Restaurant | Tapas Restaurant | Food Truck | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food |
| 49 | Kaunlaran | Filipino Restaurant | Restaurant | Breakfast Spot | Tapas Restaurant | Steakhouse | Japanese Restaurant | German Restaurant | Eastern European Restaurant | Empanada Restaurant | English Restaurant |
| 55 | Maharlika | Wings Joint | Bakery | Filipino Restaurant | Restaurant | Bagel Shop | Food Truck | English Restaurant | Fast Food Restaurant | BBQ Joint | Fish & Chips Shop |
| 59 | Mariana | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |

| 95 | San Antonio | Filipino Restaurant | Café | Japanese Restaurant | Donut Shop | Korean Restaurant | Steakhouse | Pizza Place | Restaurant | Chinese Restaurant | Spanish Restaurant |
|-----|-------------------------|------------------------|------------|------------------------|-------------------------------|---------------------------|-----------------------|-----------------------------------|------------------------|-----------------------|---------------------------|
| 99 | San Jose | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 100 | San Martin De Porres | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 102 | San Vicente | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 104 | Santa Lucia | Filipino Restaurant | Restaurant | Breakfast Spot | New American Restaurant | Fried Chicken Joint | Burger Joint | Café | Japanese Restaurant | BBQ Joint | Gluten-free Restaurant |
| 108 | Santo Niño | Restaurant | Food Truck | Filipino Restaurant | Burger Joint | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food | Food Court |
| 110 | Sauyo | Restaurant | Bakery | Filipino Restaurant | Tapas Restaurant | Food Court | Food Stand | Eastern European Restaurant | Empanada Restaurant | English Restaurant | Fast Food Restaurant |

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|-----|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| 20 | Claro | Fast Food Restaurant | Chinese Restaurant | Burger Joint | Wings Joint | Food Truck | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 26 | Damayan | Chinese Restaurant | Steakhouse | Fried Chicken Joint | Filipino Restaurant | Dumpling Restaurant | Bakery | Greek Restaurant | Hawaiian Restaurant | Empanada Restaurant | English Restaurant |
| 28 | Del Monte | Pizza Place | Chinese Restaurant | Burger Joint | Fast Food Restaurant | Food Court | French Restaurant | Restaurant | Café | Fried Chicken Joint | Gastropub |
| 32 | Don Manuel | Chinese Restaurant | Filipino Restaurant | Wings Joint | Food Stand | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food | Food Court |
| 33 | Duyan-duyan | Chinese Restaurant | Asian Restaurant | Café | Filipino Restaurant | Fast Food Restaurant | Pizza Place | Donut Shop | Snack Place | Restaurant | Bakery |
| 56 | Malaya | Chinese Restaurant | Fast Food Restaurant | Café | Asian Restaurant | Steakhouse | Fried Chicken Joint | Malay Restaurant | Pizza Place | Diner | Snack Place |
| 61 | Marilag | Chinese Restaurant | Dumpling Restaurant | Steakhouse | Wings Joint | Restaurant | Bakery | Café | Dim Sum Restaurant | Diner | Fast Food Restaurant |
| 62 | Masagana | Chinese Restaurant | Fast Food Restaurant | Filipino Restaurant | Wings Joint | Food Stand | Empanada Restaurant | English Restaurant | Fish & Chips Shop | Food | Food Court |
| 78 | Pasong Putik Proper (Pasong Putik) | Asian Restaurant | Pizza Place | Fast Food Restaurant | Chinese Restaurant | Food Stand | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 97 | San Isidro | Chinese Restaurant | Japanese Restaurant | Asian Restaurant | Café | Korean Restaurant | Bakery | Dumpling Restaurant | Pizza Place | Fried Chicken Joint | Fast Food Restaurant |
| 101 | San Roque | Chinese Restaurant | BBQ Joint | Bakery | Fast Food Restaurant | Wings Joint | Food Truck | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food |
| 118 | Talipapa | Chinese Restaurant | Café | Japanese Restaurant | Fast Food Restaurant | Vegetarian / Vegan Restaurant | Asian Restaurant | Dumpling Restaurant | BBQ Joint | Korean Restaurant | Steakhouse |
| 127 | Valencia | Café | Chinese Restaurant | Donut Shop | Hot Dog Joint | Fast Food Restaurant | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|-----|--------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| 13 | Bayanihan | Filipino Restaurant | Wings Joint | Dumpling Restaurant | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food | Food Court | Food Stand |
| 14 | Blue Ridge A | Filipino Restaurant | Wings Joint | Dumpling Restaurant | Empanada Restaurant | English Restaurant | Fast Food | Fish & Chips Shop | Food | Food Court | Food Stand |
| 113 | Silangan | Filipino Restaurant | Wings Joint | Dumpling Restaurant | Empanada Restaurant | English Restaurant | Fast Food Restaurant | Fish & Chips Shop | Food | Food Court | Food Stand |

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
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| 4 | Baesa | Fast Food Restaurant | Café | Comfort Food Restaurant | Wings Joint | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court | Food Stand |
| 5 | Bagbag | Fast Food Restaurant | Bakery | Food Truck | Korean Restaurant | Comfort Food Restaurant | Soup Place | Food Stand | English Restaurant | Filipino Restaurant | Fish & Chips Shop |
| 6 | Bagumbuhay | Fast Food Restaurant | Chinese Restaurant | Wings Joint | Snack Place | Café | German Restaurant | Noodle House | Asian Restaurant | Tapas Restaurant | Doner Restaurant |
| 10 | Bagumbayan | Fast Food Restaurant | BBQ Joint | Donut Shop | Fried Chicken Joint | Pizza Place | Noodle House | Shawarma Place | Filipino Restaurant | Gluten-free Restaurant | Fish & Chips Shop |
| 27 | Damayang Lagi | Bakery | BBQ Joint | Fast Food Restaurant | Asian Restaurant | Spanish Restaurant | Food Truck | Food Court | Pizza Place | Donut Shop | Burrito Place |
| 29 | Dioquino Zobel | Fast Food Restaurant | Bakery | Café | Food Truck | Pizza Place | BBQ Joint | Hawaiian Restaurant | Food Stand | English Restaurant | Filipino Restaurant |
| 31 | Doña Josefa | Fast Food Restaurant | Chinese Restaurant | Café | Bakery | Filipino Restaurant | Korean Restaurant | Noodle House | Food Court | Steakhouse | Pizza Place |
| 35 | East Kamias | Fast Food Restaurant | Donut Shop | Bakery | Italian Restaurant | Buffet | Chinese Restaurant | Mexican Restaurant | Pet Café | Breakfast Spot | Japanese Restaurant |
| 36 | Escopa I | Fast Food Restaurant | Burger Joint | Bakery | Diner | Chinese Restaurant | Café | Thai Restaurant | BBQ Joint | Donut Shop | Steakhouse |
| 60 | Mariblo | Fast Food Restaurant | Donut Shop | Pizza Place | Fried Chicken Joint | BBQ Joint | Wings Joint | Food Stand | English Restaurant | Filipino Restaurant | Fish & Chips Shop |
| 66 | Milagrosa | Bakery | Fast Food Restaurant | Deli / Bodega | Wings Joint | Food Truck | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 69 | Novaliches Proper | Fast Food Restaurant | Bakery | Asian Restaurant | Burger Joint | Chinese Restaurant | Café | Gluten-free Restaurant | German Restaurant | Greek Restaurant | Gastropub |
| 74 | Paligsahan | Fast Food Restaurant | Bakery | Restaurant | Pizza Place | Filipino Restaurant | Chinese Restaurant | Food Court | Empanada Restaurant | English Restaurant | Fish & Chips Shop |

| 82 | Pinagkaisahan | Restaurant | BBQ Joint | Fast Food Restaurant | Bakery | Pizza Place | Spanish Restaurant | Food Truck | Donut Shop | German Restaurant | Gastropub |
|-----|---------------------|-------------------------|---------------------------|-------------------------|---------------------------|------------------------|------------------------|-------------------------------------|---------------------------|-----------------------|---------------------------|
| 85 | Quirino 2-B | Fast Food Restaurant | Bakery | Chinese Restaurant | Japanese Restaurant | Burger Joint | Pizza Place | Asian Restaurant | Kebab Restaurant | Korean Restaurant | Fried Chicken Joint |
| 87 | Quirino 3-A | Fast Food Restaurant | Pizza Place | Filipino Restaurant | Chinese Restaurant | Food Truck | Seafood Restaurant | Café | Fried Chicken Joint | French Restaurant | Gastropub |
| 103 | Santa Cruz | Fast Food Restaurant | Chinese Restaurant | Café | Snack Place | BBQ Joint | Bakery | Diner | Burger Joint | Sushi Restaurant | French Restaurant |
| 105 | Santa Monica | Fast Food Restaurant | Fried Chicken Joint | Pizza Place | Italian Restaurant | Chinese Restaurant | Diner | Seafood Restaurant | Donut Shop | Bakery | Filipino Restaurant |
| 106 | Santa Teresita | Fast Food Restaurant | BBQ Joint | Chinese Restaurant | Noodle House | Donut Shop | Italian Restaurant | Vegetarian / Vegan Restaurant | Restaurant | Kebab Restaurant | Burger Joint |
| 111 | Sienna | Fast Food Restaurant | Bakery | Filipino Restaurant | Burger Joint | Chinese Restaurant | Wings Joint | Food Truck | English Restaurant | Fish & Chips Shop | Food |
| 112 | Sikatuna Village | Fast Food Restaurant | Chinese Restaurant | Café | Pizza Place | Filipino Restaurant | Restaurant | Dumpling Restaurant | Bakery | Breakfast Spot | Donut Shop |
| 116 | Tagumpay | Restaurant | Pizza Place | Bakery | Fast Food Restaurant | Filipino Restaurant | Chinese Restaurant | Food Court | Empanada Restaurant | English Restaurant | Fish & Chips Shop |
| 117 | Talayan | BBQ Joint | Fast Food Restaurant | Wings Joint | Food Truck | Empanada Restaurant | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 120 | Tatalon | Fast Food Restaurant | Pizza Place | Donut Shop | Fried Chicken Joint | Soup Place | Food Truck | Café | Breakfast Spot | Bakery | BBQ Joint |
| 123 | U.P. Campus | BBQ Joint | Fast Food Restaurant | Restaurant | Donut Shop | Kebab Restaurant | Filipino Restaurant | Noodle House | Chinese Restaurant | Food Court | English Restaurant |
| 124 | U.P. Village | Fast Food Restaurant | Bakery | Chinese Restaurant | Wings Joint | Food Truck | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food | Food Court |
| 125 | Ugong Norte | Fast Food Restaurant | BBQ Joint | Food | Burger Joint | Wings Joint | Food Truck | English Restaurant | Filipino Restaurant | Fish & Chips Shop | Food Court |