

An aerial photograph of a residential neighborhood in Scarborough, Canada. The image shows a grid of streets with houses, lawns, and trees. A yellow car is parked on one of the streets. The overall scene is a typical suburban landscape.

The Battle of the Neighborhoods Scarborough, Canada

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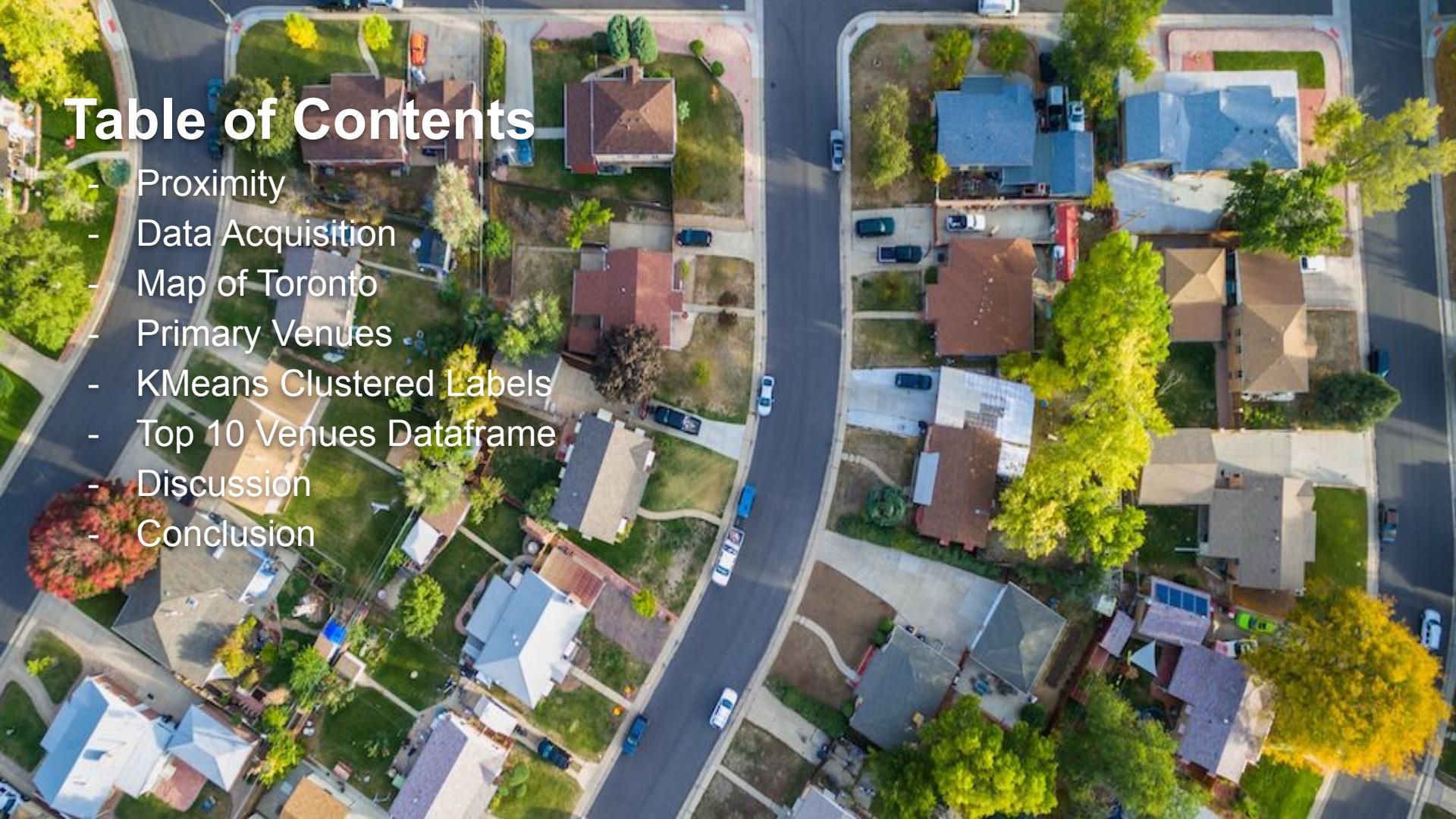
An aerial photograph of a residential neighborhood. The image shows several single-family homes with different roof colors (brown, blue, grey) and various yards with green lawns and some autumn-colored trees. There are paved roads with streetlights and a few parked cars. The overall scene is a typical suburban area.

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Proximity to Venues Play a Vital Role

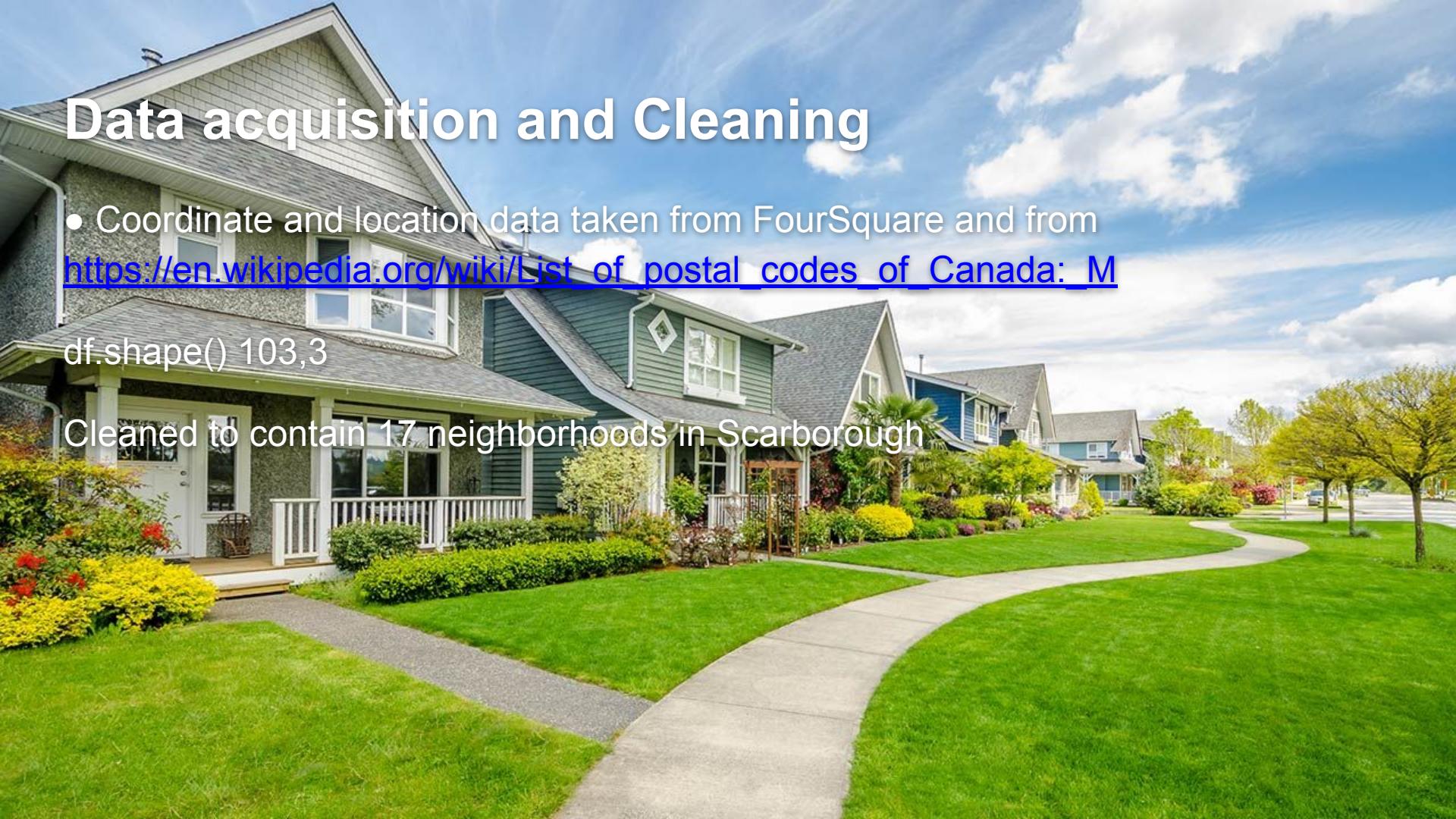


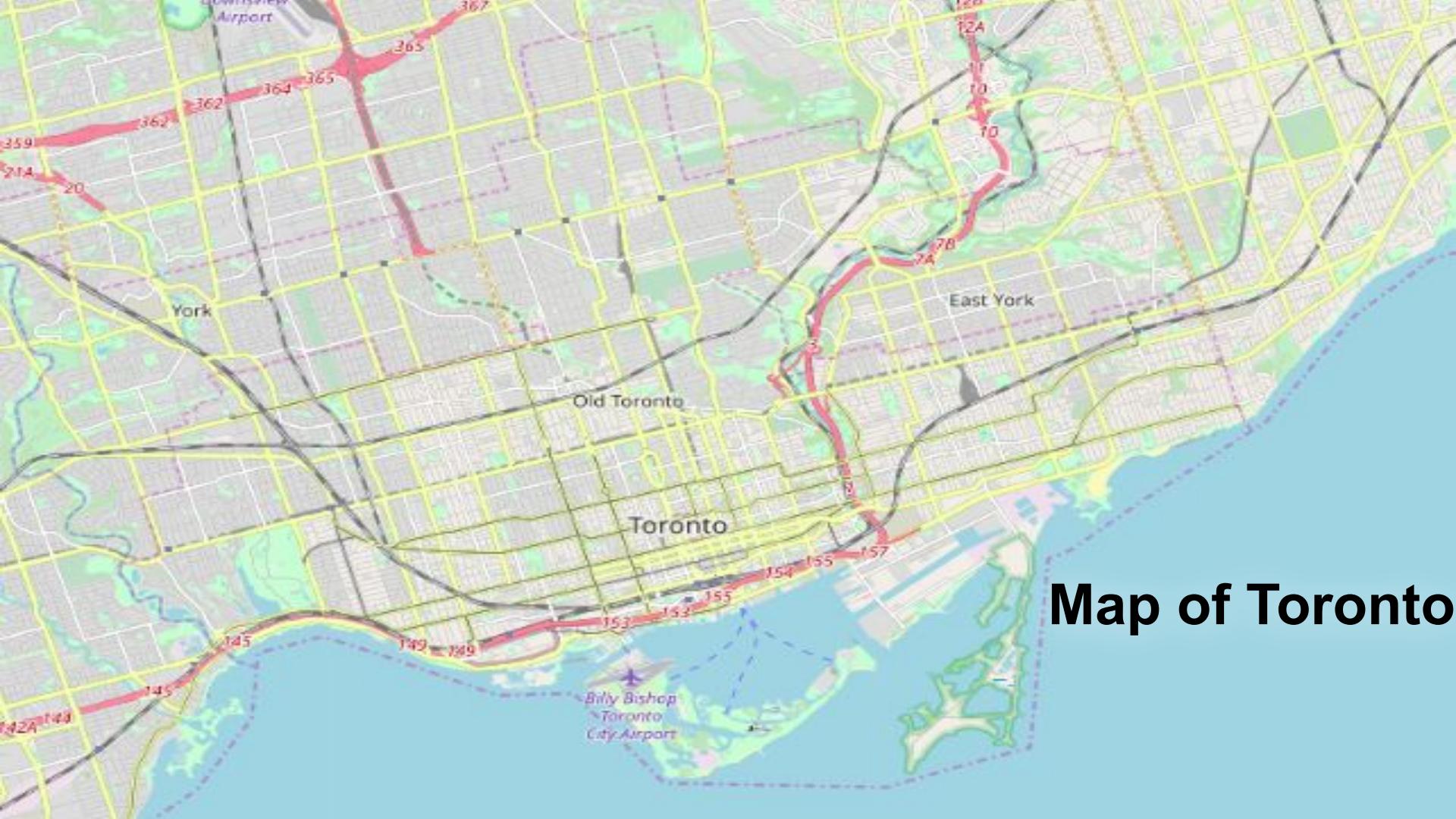
There are many aspects to choosing a “forever home”. People need to consider price and build of the house, but just as important, is the neighborhood and surrounding area. The venues that are in a 5 mile radius of the house are where people will ultimately spend their time to unwind and have fun. Venues such as shopping centers and restaurants can hold a vital role in buying a home.

Data acquisition and Cleaning

- Coordinate and location data taken from FourSquare and from
https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
df.shape() 103,3

Cleaned to contain 17 neighborhoods in Scarborough

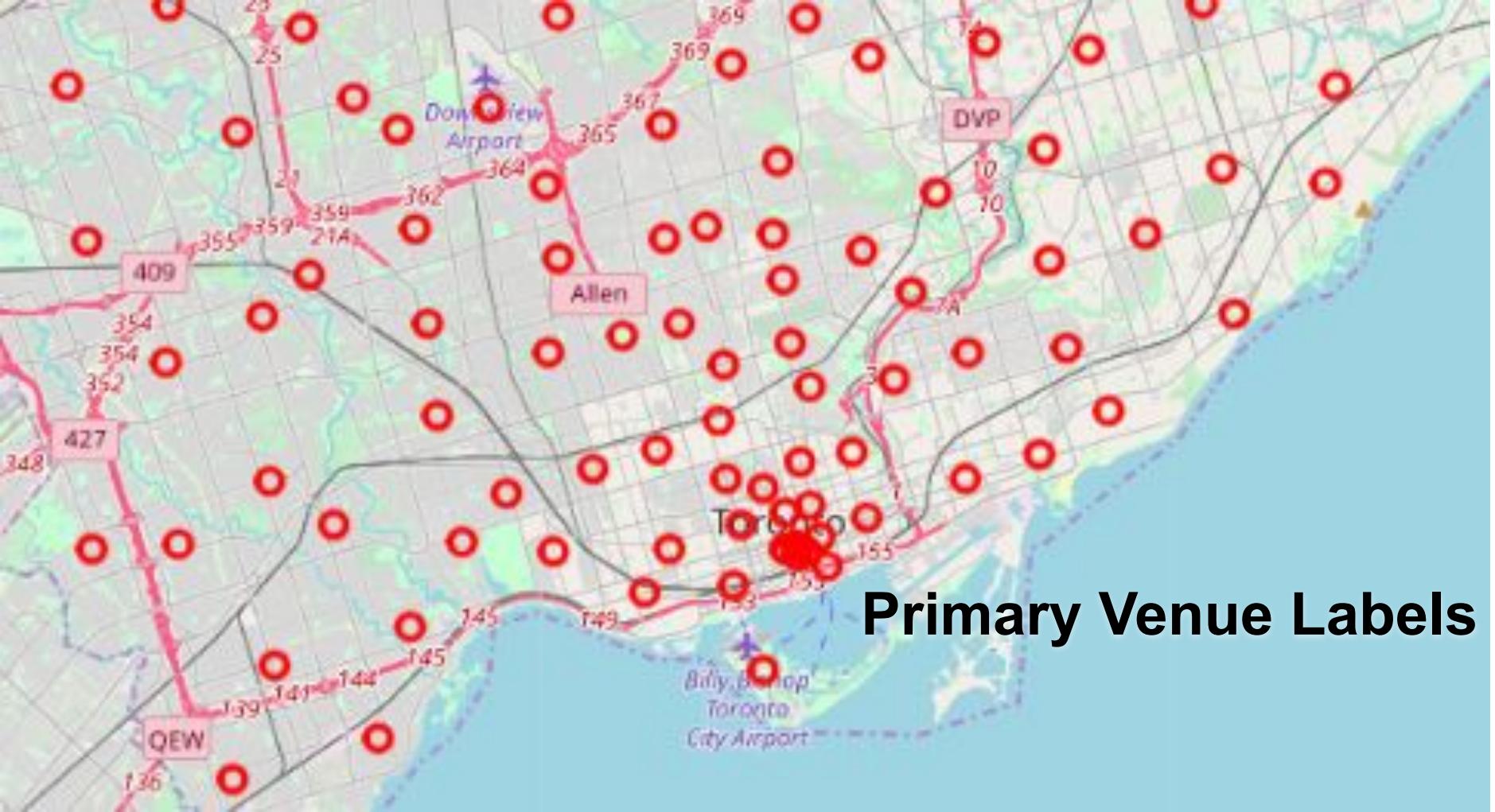


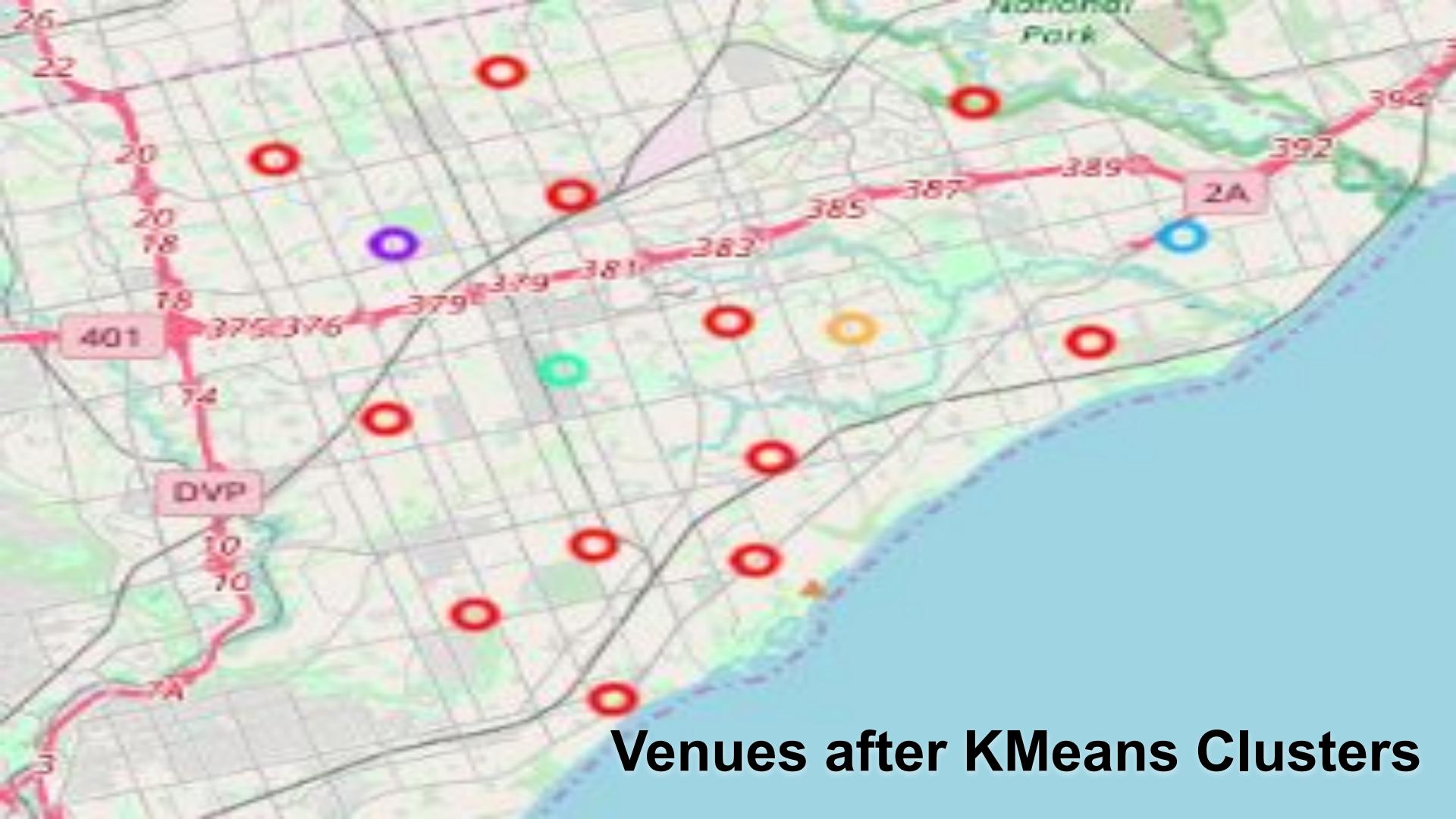


A detailed map of the city of Toronto, Ontario, Canada. The map shows the urban grid of streets, major highways, and water bodies. Key features include the Don Valley Parkway (DVP) in red, various numbered highways like 359, 214, 362, 364, 365, 10, 78, 124, 145, 149, 153, 154, 155, and 157, and local neighborhoods labeled York, Old Toronto, and East York. The city is bounded by Lake Ontario to the east. In the bottom right corner, there is a callout box with the text "Map of Toronto".

Map of Toronto

Primary Venue Labels





Venues after KMeans Clusters

Top Ten Venues per Neighborhood

| | 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 | Agincourt | Shopping Mall | Supermarket | Park | Pool | Chinese Restaurant | Shanghai Restaurant | Skating Rink | Grocery Store | Sushi Restaurant | Bakery |
| 1 | Agincourt North, L'Amoreaux East, Milliken, St... | Pharmacy | Women's Store | Hobby Shop | Gym / Fitness Center | Gym | Grocery Store | Golf Course | Gift Shop | General Entertainment | Furniture / Home Store |
| 2 | Birch Cliff, Cliffside West | Gym Pool | Gym | General Entertainment | Skating Rink | College Stadium | Park | Electronics Store | Gym / Fitness Center | Grocery Store | Golf Course |
| 3 | Cedarbrae | Trail | Playground | Women's Store | Discount Store | Gym / Fitness Center | Gym | Grocery Store | Golf Course | Gift Shop | General Entertainment |
| 4 | Clairlea, Golden Mile, Oakridge | Bakery | Bus Line | Intersection | Coffee Shop | Soccer Field | Metro Station | Women's Store | Fast Food Restaurant | Gym | Grocery Store |
| 5 | Clarks Corners, Sullivan, Tam O'Shanter | Pizza Place | Pharmacy | Bus Stop | Fried Chicken Joint | Shopping Mall | Coffee Shop | Hobby Shop | Thai Restaurant | Golf Course | Chinese Restaurant |
| 6 | Cliffcrest, Cliffside, Scarborough Village West | Fast Food Restaurant | Discount Store | Liquor Store | Coffee Shop | Furniture / Home Store | Sandwich Place | Pharmacy | Pizza Place | Electronics Store | Gym |
| 7 | Dorset Park, Scarborough Town Centre, Wexford ... | Bakery | Gift Shop | Wine Shop | Women's Store | Electronics Store | Gym Pool | Gym / Fitness Center | Gym | Grocery Store | Golf Course |
| 8 | East Birchmount Park, Ionview, Kennedy Park | Discount Store | Coffee Shop | Department Store | Electronics Store | Gym Pool | Gym / Fitness Center | Gym | Grocery Store | Golf Course | Gift Shop |
| 9 | Guildwood, Morningside, West Hill | Gym / Fitness Center | Park | Construction & Landscaping | Women's Store | Electronics Store | Gym | Grocery Store | Golf Course | Gift Shop | General Entertainment |
| 10 | Highland Creek, Rouge Hill, Port Union | Bar | Women's Store | Electronics Store | Gym Pool | Gym / Fitness Center | Gym | Grocery Store | Golf Course | Gift Shop | General Entertainment |
| 11 | L'Amoreaux West | Grocery Store | Chinese Restaurant | Fast Food Restaurant | Pizza Place | Japanese Restaurant | Coffee Shop | Other Great Outdoors | Sandwich Place | Pharmacy | Electronics Store |
| 12 | Maryvale, Wexford | Auto Garage | Intersection | Convenience Store | Electronics Store | Gym / Fitness Center | Gym | Grocery Store | Golf Course | Gift Shop | General Entertainment |
| 13 | Rouge, Malvern | Home Service | Wine Shop | Gym Pool | Gym / Fitness Center | Gym | Grocery Store | Golf Course | Gift Shop | General Entertainment | Furniture / Home Store |
| 14 | Scarborough Village | Women's Store | Train Station | Indian Restaurant | Restaurant | Bar | Electronics Store | Bakery | Gym | Grocery Store | Golf Course |
| 15 | Woburn | Korean Restaurant | Business Service | Coffee Shop | Park | Women's Store | Fast Food Restaurant | Gym / Fitness Center | Gym | Grocery Store | Golf Course |

Discussion

Based on the information above, there are many diverse neighborhoods in Scarborough, Canada. If one prioritized Shopping, one could be interested in Agincourt as the Shopping Mall is Agincourt's most popular venue. If someone prioritized exercising, Ceaderbrae's most popular venue is its running trail and playground. As a man in my mid-twenties, I prioritize fast-food and bars, so if I were looking, I would start in Cliffcrest as it has a balance of restaurants, liquor stores, coffee shops, and a gym.



Conclusion



Through KMeans clustering, I separated Scarborough into 5 clusters. These 5 clusters show similar neighborhoods around them. By using the table above highlighting the top venues per neighborhood, one could make a decision on where to move to if venue proximity was the most important factor.