

Distribution of Hospitals in Toronto

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Problem Definition

Toronto is home to many Hospitals but most of the hospitals are present in only certain neighbourhood of Toronto. So, we will try to find out the number of hospitals in different neighbourhoods so that people will take new houses in that neighbourhood. Using the Foursquare location data, I will determine which neighbourhoods of Toronto are without college or university campuses.

Audience

The purpose of this analysis is to better help government decide which new place hospitals need to be built. People to buy new house where more number of hospitals are present.

Data Sources

The Foursquare information data contains detailed breakdowns of hospitals for different neighbourhoods and was the primary data source for this analysis. Specifically, A list of Toronto neighbourhoods retrieved from Wikipedia was also used.

Methodology

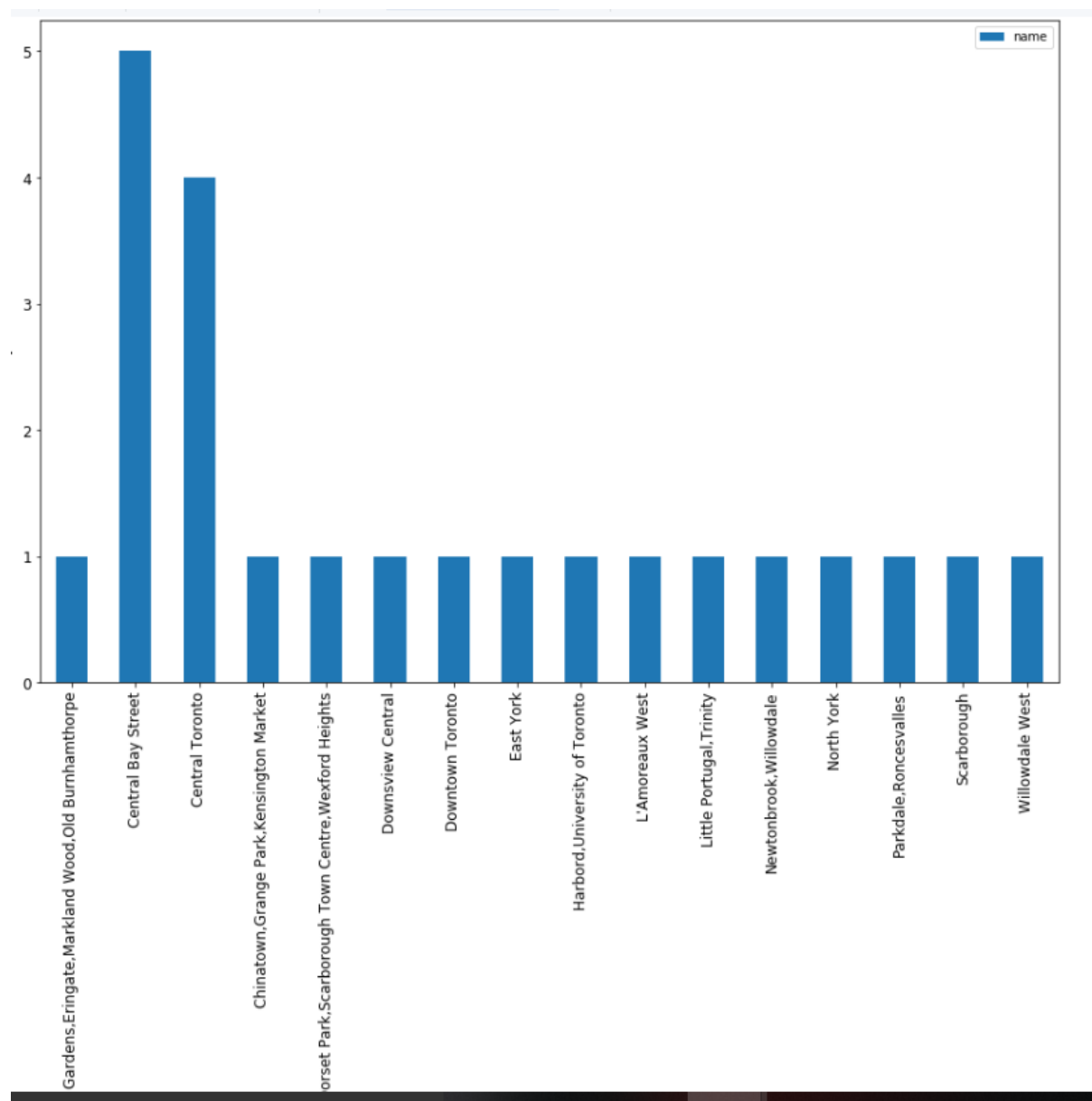
A list of Hospitals in Toronto, On was pulled using the Foursquare location data. That list was then cross-referenced with the Wikipedia neighbourhood data to determine what neighbourhood each location was part of by matching the first three digits of the Postal Codes.

This new dataframe was then grouped to determine which neighbourhoods in Toronto contained more number of hospitals. That list was then compared to the total list of neighbourhoods to determine finally what neighbourhoods are hospitals.

Finally, the list of neighbourhoods with institutions was mapped to visually demonstrate whether Toronto higher education institutions are, in fact, equally distributed.

Findings & Analysis

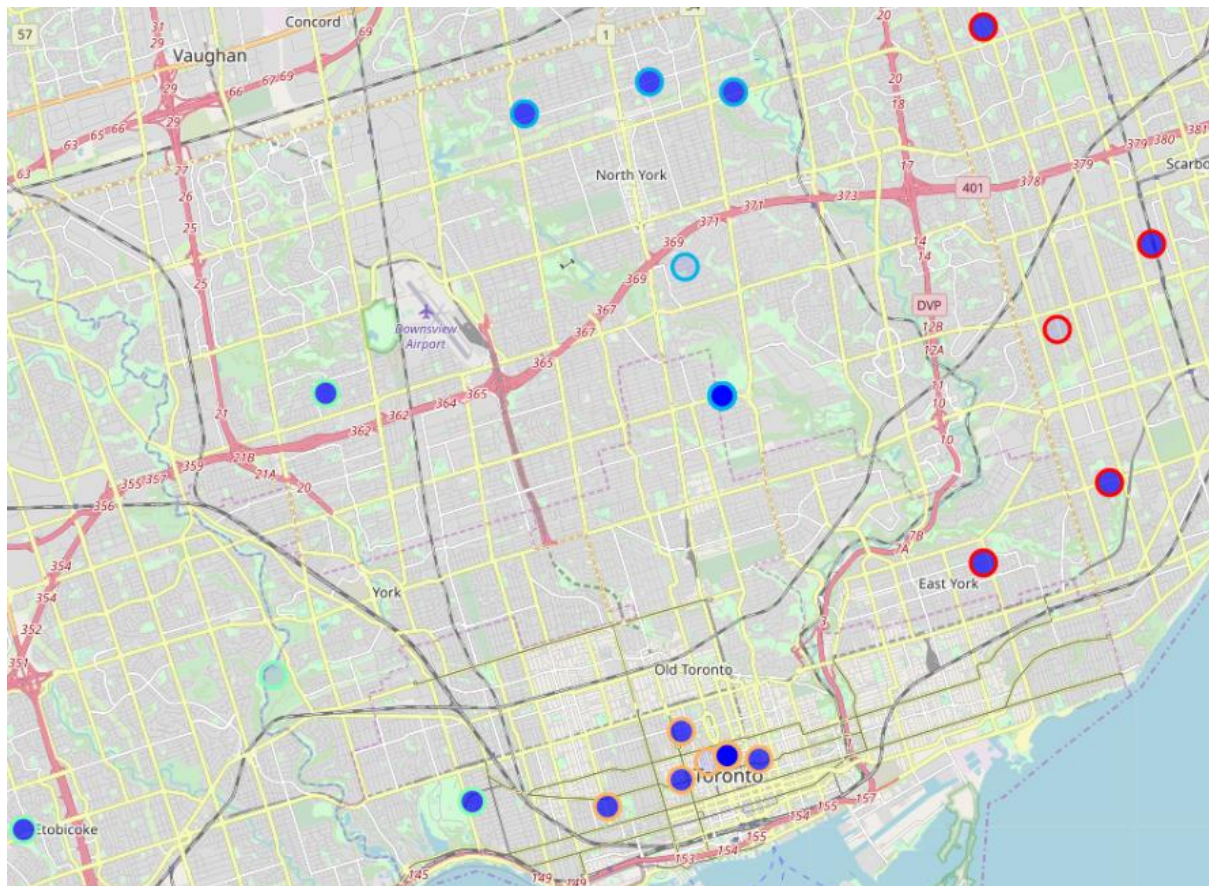
Of the 103 neighbourhoods, Only this neighbourhoods have some hospitals



The neighbourhoods with Higher Number of Hospitals are:

- Central Bay Street
- Central Toronto

Map of Toronto Hospitals



Conclusion

Analysis shows that while there are more number of hospital inside of the downtown core, there is a cluster in the centre of the city. The majority of Toronto's neighbourhoods lack Hospitals options. And while the map makes it clear the Toronto's surrounding area is well represented west of the 401, the areas between the city and the suburbs is almost entirely without options.

Further Research

Further analysis should compare these findings to population density and general demographics.