Hospital Location Recommendation

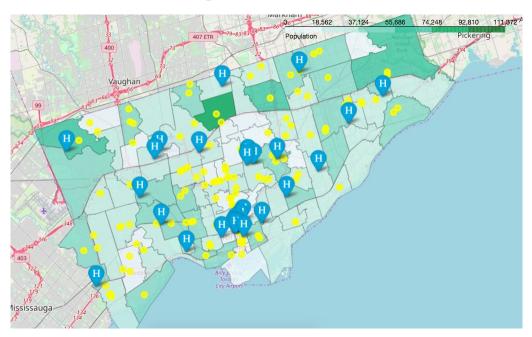
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The goal of this project is to determine the best location for a new hospital in Toronto based on current hospitals, population data, and health-related venues.

Data Sources

- Hospitals in Toronto data from Wikipedia and the Google Maps API
- Toronto population data from the Canada census website
- Health-related venue data from the Foursquare API

Toronto Map



This map includes three layers of data:

- 1. Hospitals marked with blue H arrows.
- 2. Population data as a heatmap.
- 3. Health-related venues (pharmacies, gyms, fitness studios) marked as yellow circles.

What does the data tells us?

There appears to be no correlation between hospital location and health-related venues or between population and health-related venues.

 However, there appears to be a negative correlation between hospitals and population. The areas that have the largest population do not have the highest density of hospitals. Therefore, the new hospital location is recommended for North or Northeast Toronto, where the population is greatest but the pre-existing hospital density is lowest.

Recommended Future Analysis

- Parsing out specific information about the hospitals and the people that go to them.
- Analyzing socioeconomic data; there may be a correlation between income and number of hospitals in a region.
- Considering hospital quality through government rankings.
- Including the number of people who work in a region in the population data, instead of just the people who live there.