

## The Battle of the Neighborhoods

### 1. Introduction

- a. With the increasing cost of housing in New York City, some workers have sought new cities in which to continue or start their career. A city such as Toronto will be offered as a comparison, due to its dense population and standing as a sought-after location for companies. Are these comparisons of population and employment enough?

### 2. Problem Description

- a. New York City and the city of Toronto share a diversity of inhabitants, which is reflected in the makeup of their neighborhoods.
- b. These neighborhoods allow each city to be clustered, segmented and compared.
- c. We must take into account the different offerings of each city and each neighborhood to ensure there can be both an incentive and seamless transition for potential job seekers.

### 3. Data

- a. The data set for all necessary information regarding the city of New York is [https://geo.nyu.edu/catalog/nyu\\_2451\\_34572](https://geo.nyu.edu/catalog/nyu_2451_34572)
- b. The data set for postal codes in the city of Toronto is available at [https://en.wikipedia.org/wiki/List\\_of\\_postal\\_codes\\_of\\_Canada:\\_M](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M)

### 4. Data acquisition

- a. The data for New York city will be pulled from the website mentioned in section three, this contains all neighborhood and location information.
- b. The Toronto data will be scraped from the link in section three to obtain neighborhood information
- c. Finally, Four-Square will be used to source venues