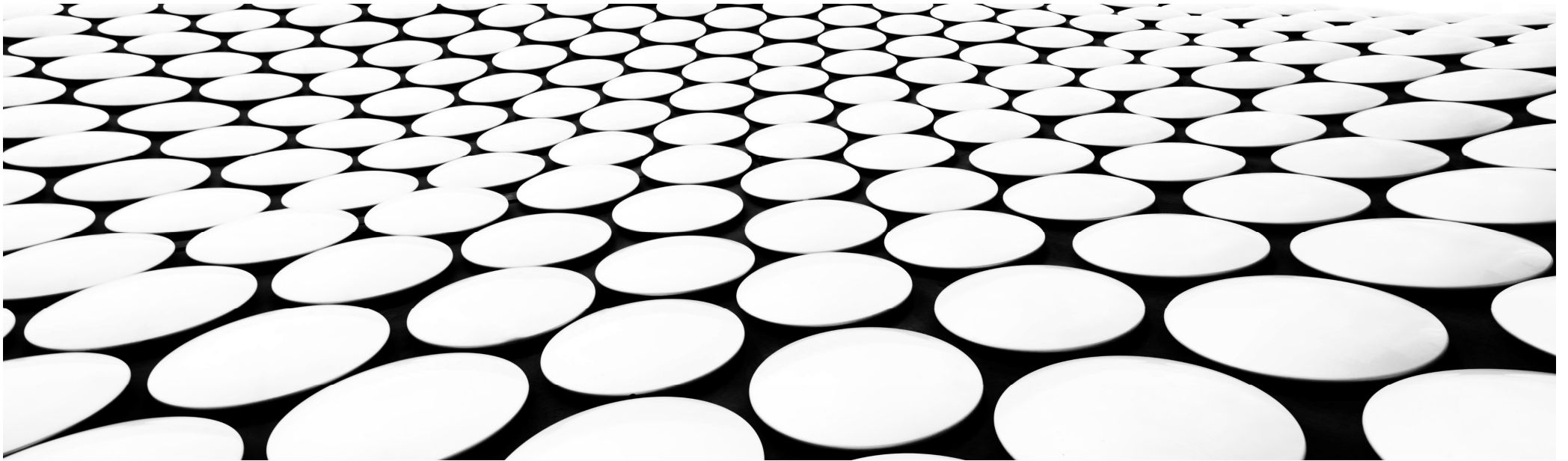

MULTI-CULTURAL RESTAURANT SCENE

VANCOUVER AND TORONTO, CANADA

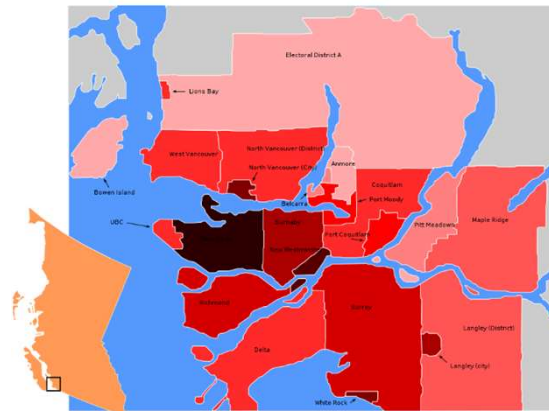


PURPOSE

- The purpose of this project is to analyze the similarity and dissimilarity of municipalities/neighborhoods of Toronto and Vancouver CMA's. An analysis of this type will inform individuals on the multi-cultural nature of the two cities as reflected in the diversity of venues sourced from Foursquare.



Toronto, Ontario

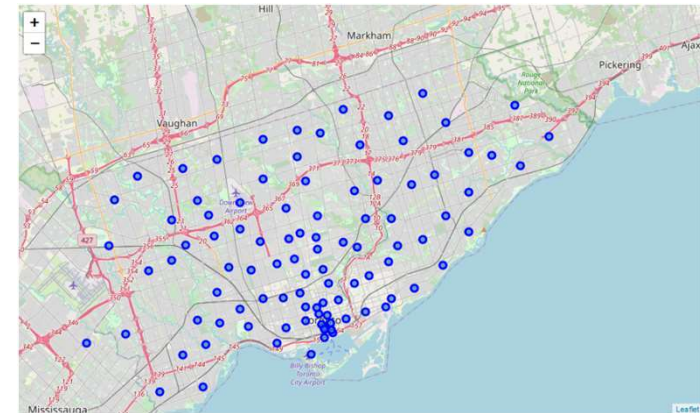
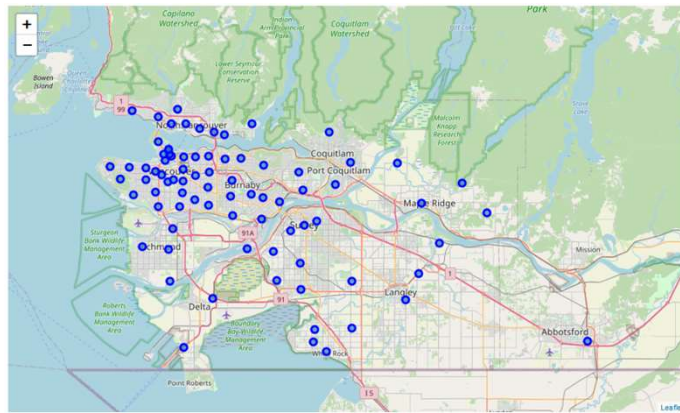


Vancouver, British Columbia

DATA

- List of FSA's (Postal Codes) and neighborhoods in the CMA's of Toronto, Ontario and Vancouver, British Columbia Canada.
- Latitude and Longitude of the postal codes.
- Foursquare venue data of Toronto and Vancouver queried by postal code and filtered on the Food venue category for a list of restaurant types (ex. Italian Restaurant). Category ID: 4d4b7105d754a06374d81259

METHODOLOGY



- The postal codes and geographic coordinates of the Vancouver and Toronto CMA's were web scraped to produce a dataframe for each CMA containing the postal codes, boroughs and neighborhoods and their geographic coordinates
- Using the neighborhood latitude and longitude derived from each CMA's postal codes Foursquare Food venue categories were queried and stored in a dataframe. For each CMA the data was summarized by neighborhood and the frequency of the top 5 restaurant types and the top 10 most common restaurant types calculated. A wordcloud of the top 10 most common restaurants was produced for each CMA.

RESULTS AND DISCUSSION



- Overall it appears that both Vancouver and Toronto have multicultural restaurants in their CMA. Vancouver appears to have more evenly distributed restaurant types with Asian and European restaurants dominated followed by many evenly weighted multicultural restaurants. In contrast Toronto's restaurant types appear to be heavily dominated by a few followed by a low number but diverse selection of restaurant types. For example North American dominates closely followed by Asian and Eastern European but then there are a large number of smaller multicultural restaurants scattered throughout.