

Introduction

- The Client's Problem & Criteria:
 - Desires to open a high-end Indian restaurant in Toronto
 - Wants maximal profit
 - Client is an award-winning chef, thus menu will be pricey
 - Affluent population should be nearby
- Target Audience
 - Those in the restaurant business looking to expand
 - Those thinking about opening a restaurant in the future



Data

- Foursquare API was called to find Indian restuarants in the Toronto area
- Location data obtained from Geocoder python package
- 2016 Census data compiled from the City of Toronto's Open Data Portal
- Postal Codes/ Neighborhoods list from Wikipedia

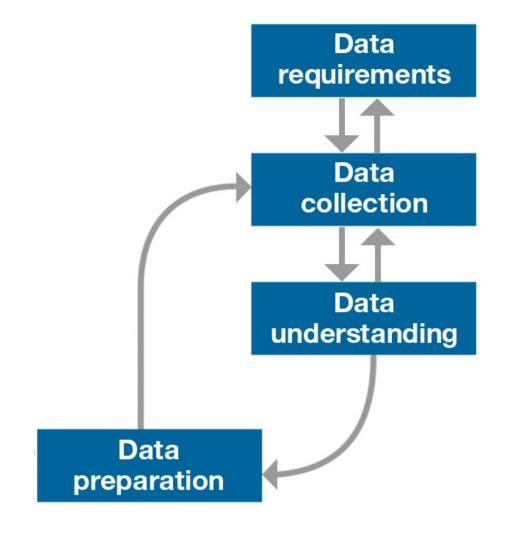


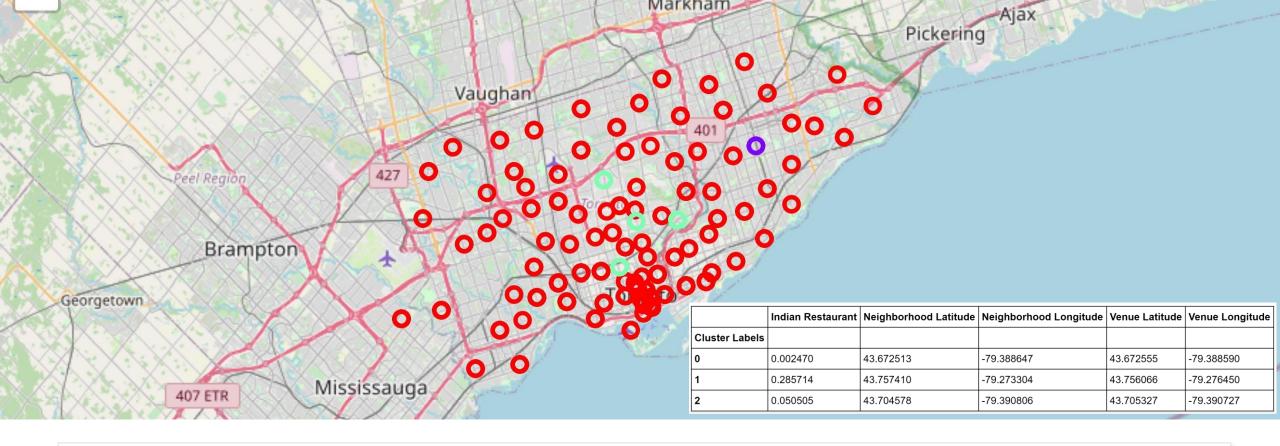




Methodology

- K-means clustering was utilized to create 3 distinct clusters
- Data collected only from free online websites
- Converting raw data into useful form (i.e. Pandas dataframe)
- Multiple lines of code to troubleshoot and verify accuracy of data





Results

- High concentration of Indian restaurants near Scarborough
- High income individuals just North of downtown Toronto, but more North leads to drastic decrease in household income
- Recommendation: Open near Rosedale-Moore Park or Yonge-St.Clair, as many high-income individuals are in the area and only a few Indian restaurants exist in the area, while still in a highly populated area