**Toronto New Restaurant Location Analysis**

**Team Members**

* Dong Yi Kim
* Saloni Gupta
* Sooyeon Kim
* Saif Gorges

**Proposal 2**

We will be building on top of the previous project which concerns itself with crime and income demographics in Toronto. In this second proposal, we will also be looking at restaurant data in Toronto aswell as ethnicity demographics. The goal of this new layer of analysis will be to help restaurant owners decide as to where the best placement of a new restaurant could be. Our analysis will consider ethnicity, local competition, income and crime per neighborhood to help determine whether a restaurant could potentially be profitable or not each neighborhood.

**Extract**

Two new datasets will be extracted from the following sources:

* Restaurant venue info: https://developer.foursquare.com/docs/api-reference/venues/details/
* Ethnicity: https://open.toronto.ca/dataset/neighbourhood-profiles/

These datasets will all be chosen to ensure that they share at least one primary key with the data in the last project in order to merge.

**Transform**

The new datasets will be cleaned and transformed in order to be able to merge with the original dataset. We will be performing the following types of transformations on the extracted data:

* Remove unwanted columns
* Remove duplicate and NAN rows
* Aggregate and join tables
* Create ERD Diagram

**Load**

The final tables will be loaded into a PostgresSQL server