**Neighborhood Battle 1: The Description**

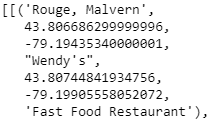
**1. Problem**

Someone would like to open a new buffet restaurant in a neighborhood in Toronto, Ontario, Canada. They do not want to have too much competition in the new area primarily in the way of other buffet restaurants nearby. Another possible consideration is the number of other restaurants of any kind nearby or the cost of the neighborhood. The restaurant will open but the neighborhood is not yet decided.

**2. Solution**

Using the Foursquare API will allow for fairly detailed data about neighborhoods in Toronto, Ontario, Canada. This data includes information about the local venues which can be cut down to give information on the number and kind of restaurant venues in a chosen area. This knowledge will help guide the decision. Datasets concerning other factors such as location costs may also be used. For example, if all things are equal in the way of restaurant competition, location costs may tip the odds. The reverse is true as well.

Example of data returned from the Foursquare API

Neighborhood

Latitude

Longitude

Venue Name

Venue Latitude

Venue Longitude

Venue Category

Image taken from <https://www.canadianbusiness.com/blogs-and-comment/check-out-this-heat-map-of-toronto-real-estate-prices/>

