**Introduction**

My problem is to compare the neighborhoods of the two cities and determine how similar or dissimilar they are. Is Toronto more like Birmingham city?

In a city of your choice, if someone is looking to open a restaurant, where would you recommend that they open it? Similarly, if a contractor is trying to start their own business, where would you recommend that they setup their office?

From the last lab, we already have the information about exploring neighborhoods in Toronto, Canada.

I will use the Foursquare API to explore neighborhoods of Birmingham in the United Kingdom. I will use the **explore** function to get the most common venue categories in each neighborhood, and then use this feature to group the neighborhoods into clusters. I will use the *k*-means clustering algorithm to complete this task. Finally, I will use the Folium library to visualize the neighborhoods in Birmingham City and their emerging clusters.