

# Applied Data Science Capstone Final Project:

## The Battle of Neighbourhoods

### *Business in Toronto*

## Data description

The data that will be used to solve the problem and the source of the data are described in the table below.

NO	Data	Type	Source
1	Top 20 Small Business Investment Opportunities in Toronto	Exploratory	<a href="https://www.profitableventure.com/toronto-ontario/">https://www.profitableventure.com/toronto-ontario/</a>
2	The Most Promising Business Opportunities In Canada	Exploratory	<a href="https://www.opstart.ca/promising-business-opportunities-canada/">https://www.opstart.ca/promising-business-opportunities-canada/</a>
3	The 21 Coolest Small Businesses In Toronto	Exploratory	<a href="https://www.businessinsider.com/coolest-small-businesses-in-toronto-2014-7?IR=T">https://www.businessinsider.com/coolest-small-businesses-in-toronto-2014-7?IR=T</a>
4	List of postal codes of Canada: M	Exploratory	<a href="https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M">https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M</a>
5	Geospatial data of the neighbourhoods	Geo-data	<a href="http://cocl.us/Geospatial_data">http://cocl.us/Geospatial_data</a>
6	Toronto exploring	Request	Foursquare

The first three are informatic data which provide the ranking of promising small business in Toronto based on social survey or research. The fourth source is the Wikipedia page which includes that postal codes of Toronto districts. The fifth source contains the geo-coordinates of the neighbourhoods. Based on source 4 and 5, exploratory request will be made for the districts in Toronto to the last source, Foursquare, to get the detailed neighbourhood information for each district. Statistical analysis will be done to the neighbourhood information to find out the optimal area to developed the highly ranked business types found in the first three sources.