## Introduction where you discuss the business problem and who would be interested in this project.

My partner and I moved to Toronto, and we want to start a new business.

The business we want to set up is a Stationery shop, in which we want to sell books and school supplies for children, but with an ecological point of view, trying to sell products with recycled material.

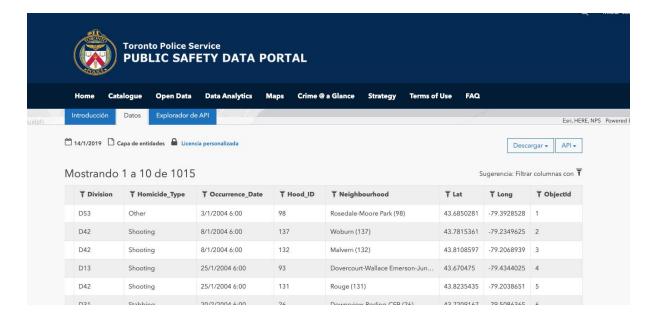
However, we don't know the city of Toronto very well, therefore we want to analyze the situation of the city, and for this we want to look for:

- A safe place
- Near schools
- That there is not much competition

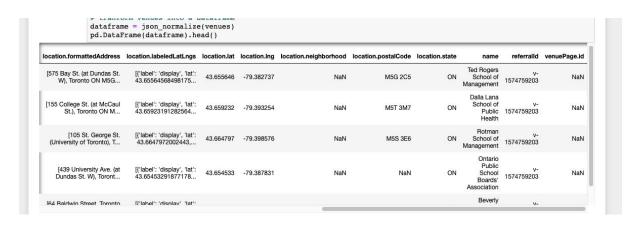
## Data where you describe the data that will be used to solve the problem and the source of the data.

To solve the information needs we have about the city of Toronto we need the following data sources.

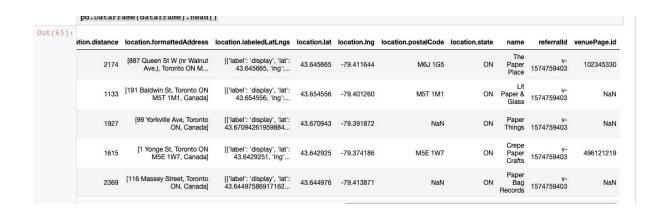
A safe place - We need a crime index in the regions of the city of Toronto



Near schools - Number of schools and their location

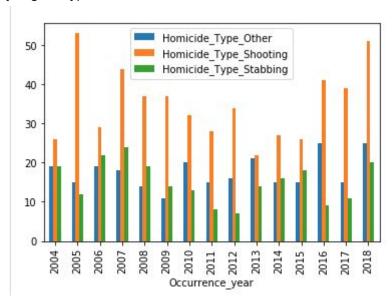


• That there is not much competition - Number of stores related to my business

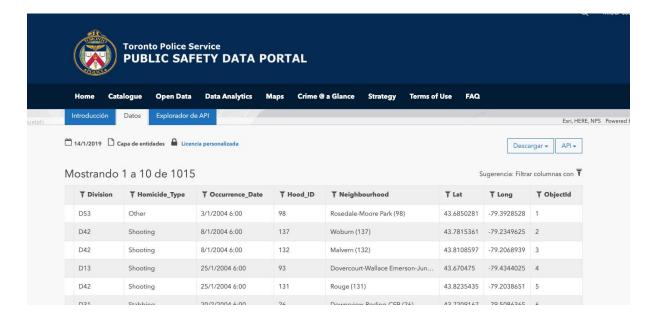


Methodology section which represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, if any, and what machine learnings were used and why.

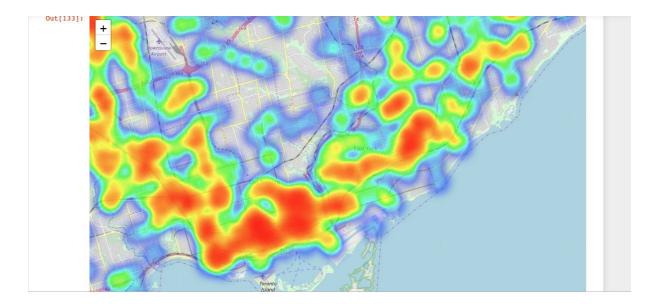
The first thing I wanted to do is analyze the crime rate of the city of Toronto and check if it is a safe city analyzing the type of crimes that have been made.



To do this I got a data source from <a href="http://data.torontopolice.on.ca/">http://data.torontopolice.on.ca/</a> and with that information and we analyzed this data and we saw in which places of the city they had commented.



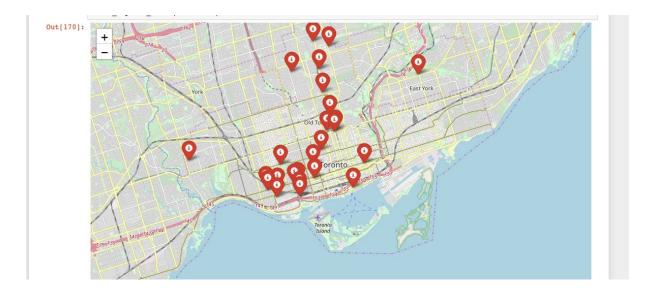
Heat map of homicidies in Toronto:



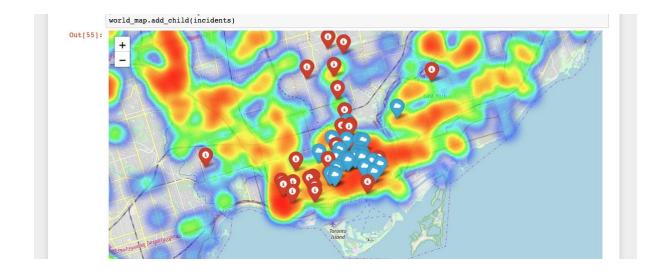
Next I made a call to the Foursquare API to place on the map the schools and those similar to mine in the city.



Place all the data on a map to visually see the best place to place my store.



Then to be able to make the correct analysis we must insert all the information in a map to be able to see the ideal location.



## if we zoom in on the map



We see an ideal place to place our store