**Predict the Number of Tips Needed to Attain one Point Higher than the Highest Rating in the Area**

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Background

An individual is looking to open a new coffee shop. They need recommendations for an approximate location to setup their new coffee shop and approximately how many Tips they will need to attain one point higher than the highest rating in their area.

Description of the Problem

An individual was gifted some amount of money to start the coffee shop and would like to hire a consultant to use statistical analysis to advise them as to where a good location in Toronto, CA is to start a new coffee shop and use machine learning to tell them how many Tips they will need to attain the goal of one point higher than the highest rating in the area.

The stakeholders in this project are myself and an individual investor that would like to open a new coffee shop in the area of Toronto, CA.

Description of the Data

The data utilized will be from the Foursquare API. I’ll use this data to determine such things as the number of coffee shops in the area, their price point, which will be categorized as, “Cheap”, “Moderate” and “Expensive”. I’ll also look at several consumer sentiment metrics such as the “Rating” of the coffee shop and the number of, “Likes” the coffee shop received and finally, “Count of Tips” recorded by the API for each coffee shop. This information needed will be considered, a “premium call” and therefore the dataset size will be very small as a result, as I only have a limited amount of, “premium calls” per diem.

I will use Wikipedia data from, <https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M> and Geospatial data from, <http://cocl.us/Geospatial_data> and foursquare API data from <https://api.foursquare.com>.

References

<https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M>

<http://cocl.us/Geospatial_data>

<https://api.foursquare.com>