

Case study of opening a Bakery in Toronto, Canada



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Applied Data Science Capstone at Coursera

Week 4 assignment Data part

Data

Here it is what we need to solve this problem

- List of all the neighborhoods of Toronto city.
(source: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M)
- Longitudes and latitudes needed for each neighborhood.
(source: https://cocl.us/Geospatial_data)
- Where and how many bakeries located in any of the neighborhoods?
(source: foursquare api, for that need a developer account. It can query every neighborhood)
- What is the distance of each locations with respect to the location that is provided?
(source: the result of the foursquare api have the distance of each location found with respect to the given longitude and latitude)

How data can be used

At first, we need to do the ETL (Extract, transform and load) from all the data sources defined at above. One data is loaded then we can query the foursquare api to return the results. Following is the sample query that will be used for this purpose

https://api.foursquare.com/v2/venues/explore?&client_id=TQJ4YICT53P0H1NVREHKCL1OE4NNK12MI1WAWTAJFMF3TSM2&client_secret=OZ1IXQ4FNXCI00WH5ROPT3EBWWTSJB5ISKCZRAXVDC3VQGAV&v=20180604&ll=43.7043244,-79.3887901&limit=200&query=bakery

later the data will be graphically represented on the map hence by looking at them we can pinpoint any possible location.