Coursera IBM Data Science Capstone Project

Open a New Coffee Shop in Toronto

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Introduction:

For this project, I'm creating a hypothetical scenario for a concept person who wants to open a new coffee shop in Toronto. I am going to expand into to this area and explore neighborhoods in Toronto. My idea is: where there is not many coffee shops might present a great opportunity for him. So I am looking for neighborhoods without many preexisted coffee shops.

Data:

To solve this problem, I will use these data:
1. List of neighborhoods in Toronto, Canada. (from Wikipedia)
2. Latitude and longitude of neighborhoods in Toronto. (csv file provided by Coursera)
3. Venues in Toronto area. (from Foursquare API)

I will use python BeautifulSoup package to scrape Wikipedia page to get neighborhoods information, and assign them coordinates using csv file provided by coursera. Then I will discover venues with Foursquare API to find out which area has lowest number of competitors, and is the most suitable for that man to open a coffee shop.