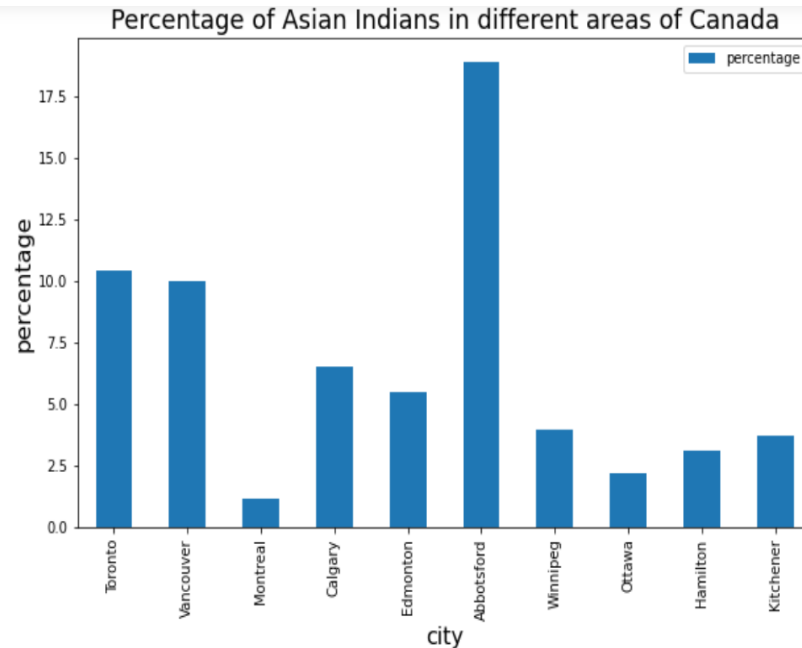


Opening Indian Restaurant in Edmonton, Alberta

Amanpreet Kaur

Why Indian, Why Edmonton?

- ▶ 1. India - by far the main source country of new immigrants to Canada in 2019.
- ▶ 2. Cities like Toronto, Vancouver, Montreal, Calgary, Edmonton, Abbotsford etc have large Asian Indian population.



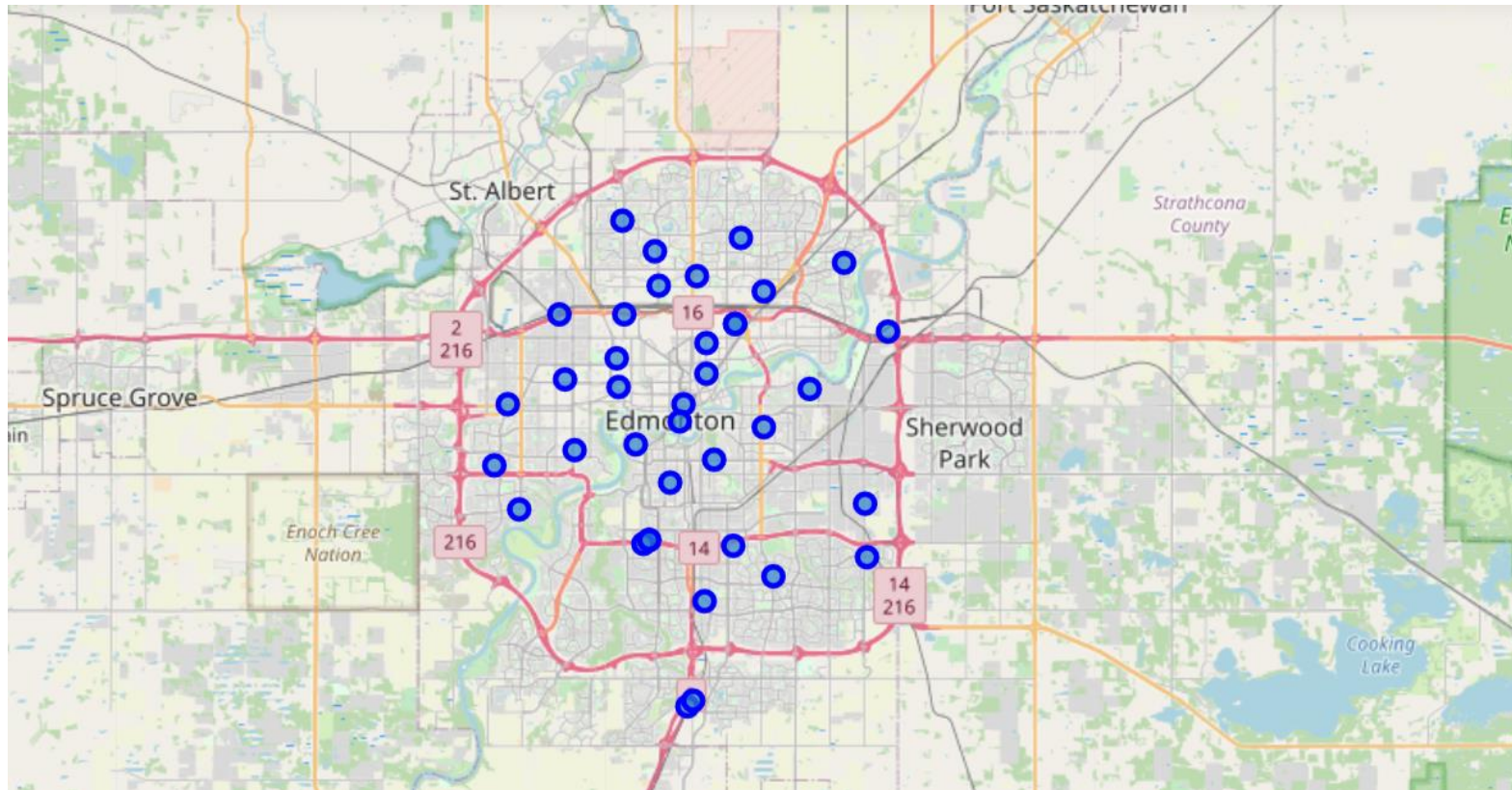
Data Sources

- ▶ Geographical coordinates of Alberta(using Nominatim)
- ▶ Longitude and Latitude values of all the neighbourhoods of the borough Edmonton (source ['https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_T'](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_T))
- ▶ Data about the neighbourhood having the largest percentage of Asian Indian population out of all the neighbourhoods(source - <https://citymuseumedmonton.ca/2016/11/22/edmontons-south-asian-community/>)
- ▶ Information about all the Indian Restaurants in that neighbourhood, their ratings, tips and nearby venues (using foursquare app)

Data Cleaning

- ▶ The data containing information about the postal codes of all the boroughs and neighborhoods of Alberta along with there longitude and latitude values downloaded.
- ▶ 'Not Assigned' value rows dropped.
- ▶ Rows with same postal codes joined.
- ▶ Longitude and Latitude columns converted to numeric datatypes
- ▶ Edmonton data fetched.

Map of Edmonton with neighborhoods superimposed on top



Neighborhood with maximum Indian population

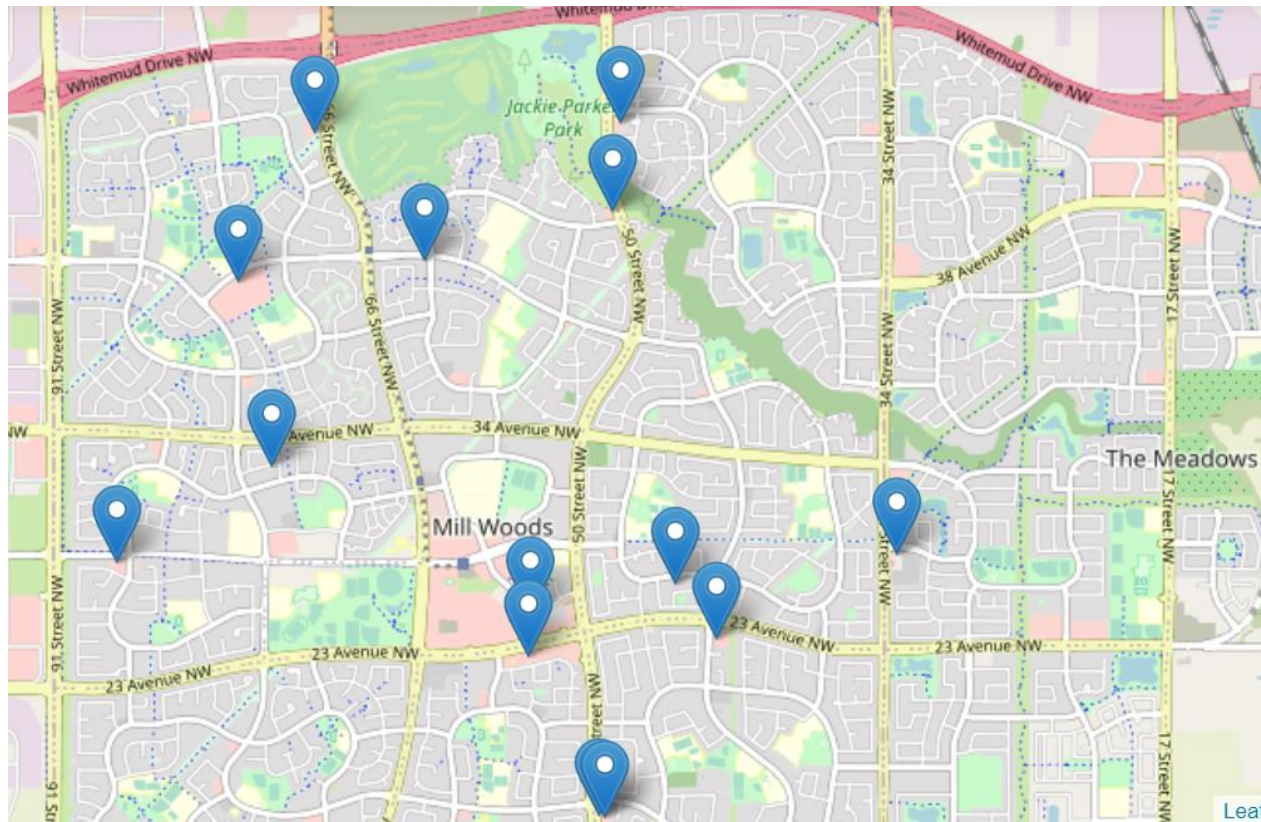
From the following link, it is seen that 'Mill Woods' is the neighborhood where most of the South Asian community resides.

<https://citymuseumedmonton.ca/2016/11/22/edmontons-south-asian-community/>

Mill Woods data

	Postal Code	Borough	Neighborhood	Latitude	Longitude
0	T6K	Edmonton	West Mill Woods	53.4816	-113.4623
1	T6L	Edmonton	East Mill Woods	53.4681	-113.4339

Indian Restaurants within 2500m radius of Mill Woods

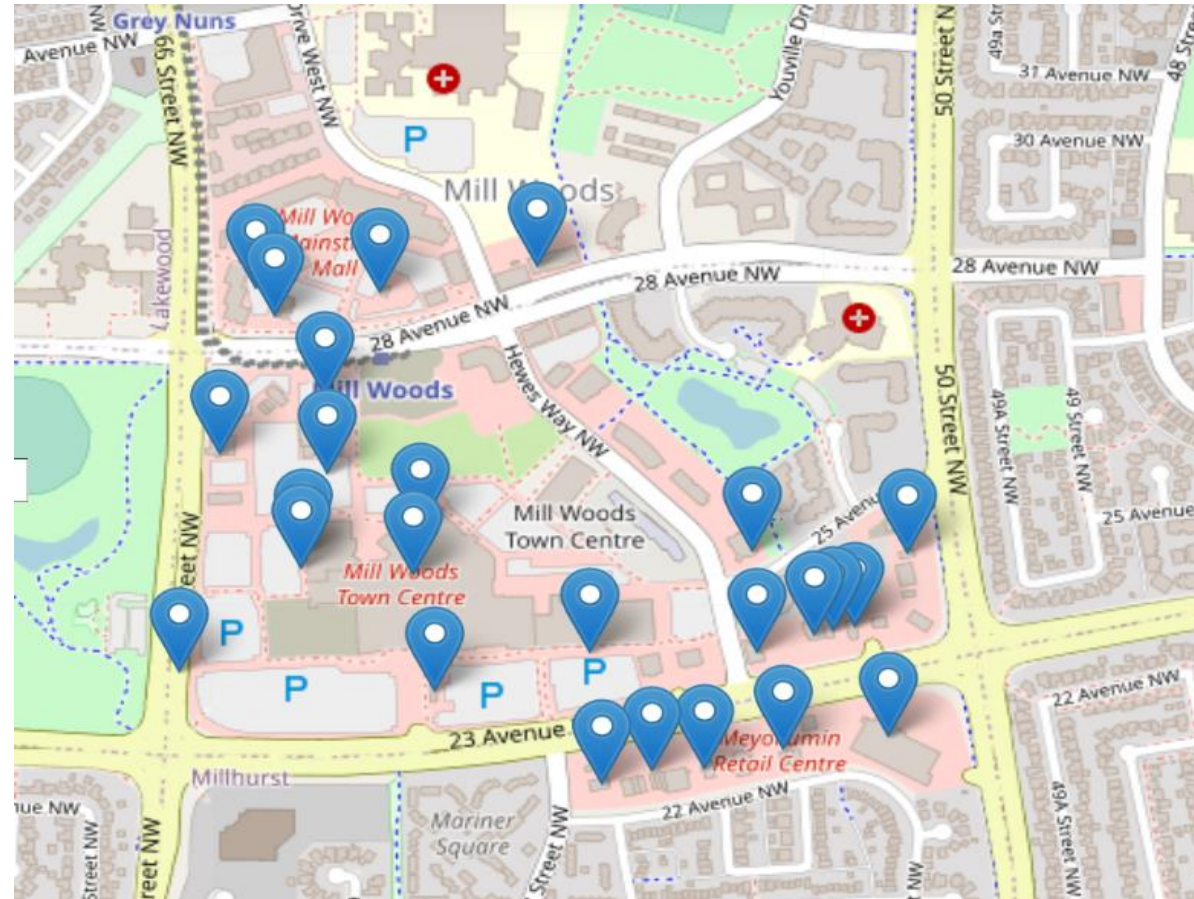


Ratings of all the Indian Restaurants

- ▶ Using the Foursquare App
- ▶ using the url-
'https://api.foursquare.com/v2/venues/{}?client_id={}&client_secret={}&v={}'
.format(venue_id, CLIENT_ID, CLIENT_SECRET, VERSION) result =
requests.get(url).json() try: print(result['response']['venue']['rating']) except:
print('This venue has not been rated yet.').
- ▶ Surprisingly, not even a single restaurant out of all it rated yet

Other trending venues nearby

- ▶ Coffee Shops
- ▶ Fast food restaurants
- ▶ Banks
- ▶ BBQ joints
- ▶ Convenience stores
- ▶ Gas station
- ▶ Business services
- ▶ Community centre



Conclusion

- ▶ From the data on Indian population in Edmonton - Mill Woods, ratings of different Indian Restaurants and trending venues, it can be seen that opening of Indian Restaurant in the Mill Woods Town Center, Mill Woods, Edmonton will be a Profitable business.

*Thank
you*

