

## Business Problem and Discussion

According to The Economist Intelligence Unit, Calgary is among the top five most livable cities globally and the most livable city in North America in the last two years. With a population of nearly 1.3 million people, the city is the third largest municipality in Canada (after Toronto and Montreal) [1].

Every year, it attracts tens of thousands of interprovincial and international migrants. Insight information about each neighbourhood of the city will be very helpful for newcomers whether they come to the city to study, to work, or to start new business. For example, single office workers might have to choose whether to get an apartment near downtown or somewhere else more quiet and close to public transit; family with kids might have to decide whether to buy an expensive house in the northwest quadrant where top rated schools are or a cheaper one elsewhere. Hopefully, this work will help point them to the right direction to make correct decisions and avoid costly mistake when choosing the neighbourhood to live.

## Data

The sources where data are extracted from are listed below:

- Postal codes of neighbourhoods: Wikipedia [2]
- Coordinates of neighbourhoods: Google Maps Geocoding [3]
- Venue: Foursquare [4]
- Community boundaries: Open Calgary Data Portal [5]
- House price data: The Globe and Mail House Price Data Centre [6]
- Crime Rates: Calgary Police Statistical Reports
- School ratings: Calgary Board of Education School Directory [8], Fraser Institute School Rankings [9]

## References

- [1] [Calgary - Wikipedia](#)
- [2] [List of postal codes of Canada: T - Wikipedia](#)
- [3] [Google Maps Geocoding](#)
- [4] [Foursquare](#)
- [5] [Community boundaries - Open Calgary](#)
- [6] [House Price Data Centre - The Globe and Mail](#)
- [7] [Statistical Reports - Calgary Police](#)
- [8] [School Directory - Calgary Board of Education](#)
- [9] [School Rankings - Fraser Institute](#)