

Canada's skilled worker immigration program

Each year the Canadian government enables skilled workers worldwide to become Canadian citizens. Of course in order to become resident the candidates should meet certain criteria that attest their qualification and eligibility to stay and work in Canada.

One can probably imagine how hard is for any newcomer to find its place in a new country, new city and new environment at all. Skilled experts usually receive higher income than average so they normally prefer to live in good neighborhoods with clean streets, fancy restaurants, reputable schools etc. Finding such neighborhood is usually their primary goal when arriving at the new place and they are ready to pay more but to receive proper living conditions.



Finding a better place to live in Toronto based on Data science tools.

The present study will be examining the opportunities for such skilled immigrants to find their dream home when moving to Canada. The Canadian city chosen for this project is Toronto because it is large enough, offers many opportunities, it is multiethnic and serves as an industry and economic capital of the country.

Methodology used as below:

- Downloading and manipulating raw data for Toronto's neighborhoods;
- Downloading and manipulating Toronto's coordinates data;
- Mapping the data with its geographic coordinates: latitude and longitude;
- Retrieving data from Foursquare containing information about venues with their characteristics;
- Allocate the venues into respective neighborhoods;
- Grouping venues with K-mean cluster algorithm;
- Analyzing each cluster in order to find better living conditions

Results section, where results are analyzed

Discussion section reviews the resulted data with regard to the study topic.

Conclusion section. Here the respective reader may find the final conclusion regarding the problem based on the used methodology