

House Rent Price, Neighborhoods, and Venues in Calgary Study

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1. Problem Description and Background

Calgary is the largest city in the western Canadian province of Alberta. Calgary is also recognized as a leader in the Canadian oil and gas industry, and its economy expanded at a significantly higher rate than the overall Canadian economy (43% and 25%, respectively) over the ten-year period from 1999 to 2009 [1]. The highly developed oil and gas industry also makes Calgary one of the best Canadian cities for engineers.

As an engineering student in Canada, there are a great number of my friends who want to start their career in Calgary. The first challenge they will encounter is the house renting problem. The objective of this project is to help those who are facing house renting problems in Calgary establish a clear understanding of neighborhoods and regional average renting prices in Calgary. This project would contribute to assisting newcomers to choose the best-fit Calgary neighborhood to live in.

2. Data

The following data has been used in order to complete the study

- The list of postal codes of Canada-T, which contains information about neighborhoods in Calgary, available at Wikipedia [2]
- The venues information of neighborhoods in Calgary, which is found using Foursquare API [3]
- Average renting price of a specific area in Calgary, which is found using Rentometer [4]

Reference

[1] [Calgary](#)

[2] [List of postal codes of Canada: T](#)

[3] [Foursquare API](#)

[4] [Rentometer](#)