

PROPOSAL

Title of the Project:**“Alberta Housing Price Analysis”****Description:**

Housing price is every family's concern when it comes to migrating to a new area or different country. Alberta has recently launched a campaign called “Alberta is calling” to attract new residents and develop its diverse communities in the provinces. This project focuses on giving an in-depth analysis of Alberta Housing prices, in comparison to those data of all provinces of Canada. The purpose is to identify the growth and fluctuation of housing prices to provide better predictions in the next few years.

Key objectives:

- Provide a comprehensive overview of housing prices in all provinces of Canada.
- Identify the trends in housing prices in Alberta and understand the reasons behind these trends.

Datasets:

Because of the complexity of data, we collected data from various sources. There are eight tables including:

- Canada monthly housing price index: open.canada.ca
- Canada monthly housing stock: www150.statcan.gc.ca
- Alberta CPI index: www150.statcan.gc.ca
- Interprovincial migrants: open.canada.ca
- Study permit holders: open.canada.ca
- Work permit holders: open.canada.ca
- Canada population: www150.statcan.gc.ca
- 5-year fixed term mortgage rate: www150.statcan.gc.ca

Strategies and possible technologies:

- Using Github as a stable storage service.
- Using PowerBI to analyze the dataset and visualize the findings.
- Using Python libraries to do advanced analysis.

Contact person:

Name: Thi Uyen Thi Phan

Email:

Phone: