Vancouver Housing Market Decoder

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Motivation:

Everyone can easily understand Vancouver real estate market and make inform decisions by using our tool

Target Users:

Home Buyers

Home Sellers

Mortgage Managers

Home Buyers'
Realtors

Realtors

The tool supports user scenarios for each user category

User Scenarios

Home Buyers

The Home Buyers want to buy property with a reasonable price.

Use our tool to:

- Check property listing price and features
- Compare different properties by features
- Check price trends in different areas.

Home Buyers' Realtors

The Home Buyers' Realtors want to help their clients.

Use our tool to:

Recommend a list of properties to clients based on client requirements: property features, property price historical and future trends

User Scenarios

Home Sellers

The Home Sellers want to know how much are their properties worth.

Use our tool to:

- Get estimated listing price
- Get listing prices and trends in the neighborhood

Home Sellers' Realtors

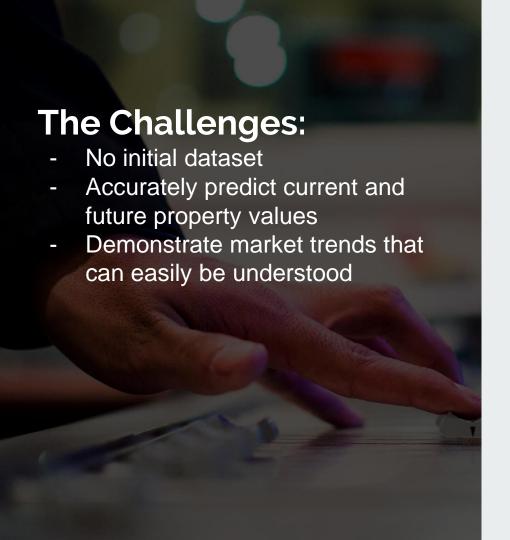
The Home Sellers' Realtors want to help their clients.
Use our tool to:

- Recommend selling price range
- Educate clients to understand their property value

Mortgage Managers

Use our tool to:

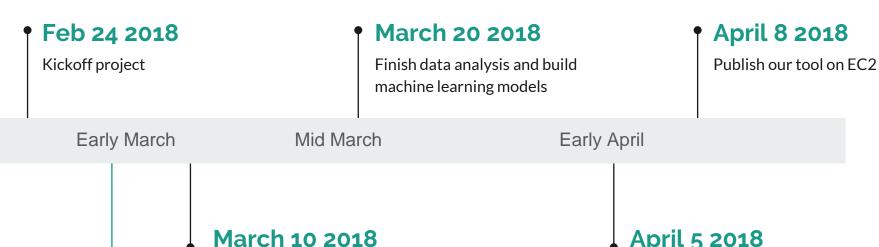
- Get overview pictures of each area's price trends
- Predict if the property values in certain areas will increase or decrease



The Solutions:

- Use web crawler to crawl data from different websites to build dataset
- Apply machine learning models
- Create a web application with intuitive UIs to provide an interactive visualization for users to understand market trends

Milestones



Current Progress

Finished crawling web pages for dataset

Finish data collection, data

cleaning and data integration

Finished data extraction from web pages

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Finish building an interactive web interface with data visualization features

