

Should I BUY This House?

Milestone Report CMPT 733
2018.03.05
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Motivation

How will **big data analysis** help you purchase **real estate properties** wisely?

Mouldy mini-mansions, pricey average homes: Vancouver house hunting is a wild ride



Challenges

In a **volatile** real estate market, we can't rely on one data source. We must look **back and forth** to understand the wild ride.

A person with long hair, wearing a white shirt, is sitting at a wooden desk. They are using a silver laptop. Their right hand is on the trackpad, and their left hand is resting on the desk. In front of the laptop is a white pen and a spiral-bound notebook. The background is a bright, out-of-focus window. A blue semi-transparent banner is overlaid across the middle of the image.

Progress Report



7813 18th Avenue



East Burnaby

\$1,449,000

4 Bed | 2 Bath | 1748 Sqft

Alex Kubyshyn
Personal Real Estate Corporation

Property Type: House

Listing ID: R2243422

Alex Kubyshyn
RE/MAX Masters Realty



8050 14th Avenue



East Burnaby

\$1,652,000

3 Bed | 3 Bath | 2466 Sqft

STONEHAUS
REALTY

Property Type: House

Listing ID: R2242710

Adam Lloyd
Stonehaus Realty Corp.



8023 11th Avenue



East Burnaby

\$1,299,000

5 Bed | 4 Bath | 2006 Sqft

BCHomez.com

Property Type: Duplex

Listing ID: R2238429

Joe Manhas
Sutton Group West Coast R...

WEB
SCRAPING:
REW.ca

	address	baths	beds	city	house_type	neighbourhood	postal_code	price	province	sqft
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0	7813 18th Avenue	2.0	4.0	Burnaby	House	East Burnaby	V3N 1J5	1449000.0	BC	1748.0
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1	8050 14th Avenue	3.0	3.0	Burnaby	House	East Burnaby	V3N 2B6	1652000.0	BC	2466.0
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2	8023 11th Avenue	4.0	5.0	Burnaby	Duplex	East Burnaby	V3N 2N8	1299000.0	BC	2006.0
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Data Integration



Historical trend
in
City of Vancouver
open data

Updates in
current
Realtor sites



Data Analysis:
What **features** will
make the **price** go
up/down?

Future Plans

My Plan:



Deeper Data Analysis

by March 19

What is the **price** given the **features**?

Do **Surrey** & **Vancouver** value different features in their prices?

Web Frontend

by March 26

Respond to **user** parameters

D3 Visualization

by April 2

Layer up features
formulating the price
Compare **2** cities

So.. Will you **say** Yes to the **House?**

Poster - April 9

Final Report (Code, video, report) - April



Questions?

Think
Again