

DATA EXPLORATION PROJECT – Initial Proposal

Effect of crime on Melbourne Real Estate

Name: Parul

Student id: 29507960

Tutorial Number: 01-P1

Tutor Name: Farah Tasnuba Kabir

Questions:

1. Which is the most expensive area in Melbourne?
2. How does the prices fluctuate over time?
3. How much commission some of these real-estate brokers are bringing in over the course of the year?
4. What is the price difference between old and newly build houses?
5. Does parking space have anything to do with pricing?
6. How does crime incidence affect the housing price in that area?

Data sources:

- A. Melbourne housing clearance data for 2016-2017.
- B. Criminal offence recorded by police region and local government area, since 2010, counted and included in the data where it was reported to Victoria Police and first recorded in LEAP within the reference period.

The data source will allow me to answer questions from 1 to 5, while the combination of data sources A and B will allow me to answer question 6.

Description of data sources:

1. Tabular data: 1.3K rows x 20 columns. It has both categorical and ordered attributes as well as spatial data. (<https://drive.google.com/open?id=1GufcJQS-j0jHCqul1t7KQFVD6n7nr0qS>)
2. Tabular data: (<https://www.crimestatistics.vic.gov.au/explore-crime-by-location>)