

Lab 5

Lab Overview

Suppose you have been hired as a data scientist by Zillow to improve their price prediction tool in Australia. You have been given a dataset with housing prices in Melbourne. Here is a description of the dataset <https://www.kaggle.com/dansbecker/melbourne-housing-snapshot?resource=download>

```
library(tidyverse)
melb <- read_csv('https://raw.githubusercontent.com/stat408/Lab5/refs/heads/master/melb_data')
```

Q1. 5 points

Create a polished figure that explores how at least one discrete variable relates to price.

Q2. 5 points

Create a polished figure that explores how at least one continuous variable relates to price.

Q3. 5 points

Create a polished figure that explores how at least one continuous variable *and* a categorical variable relate to price.

Q4. 5 points

Summarise what you learned in Q1 - Q3 and how that could be included in a statistical model to predict housing prices.