

A Simple Prediction Model for Housing Prices

Charles Park
Independent Learner

Purpose of the Shiny App

This Shiny App attempts to predict the housing price given two variables:

1. The square footage of the house
2. The number of storeys in the house

The Underlying Prediction Model

Given x is the square footage, y is the number of storeys, and z is the house price in Canadian dollars, the underlying model for the Shiny App is:

$$z = 500x + 2.5y^3x$$

Where to Find the Shiny App

The link to the Shiny App is [here](#).

The user interface is fairly self-explanatory, involving 3 steps in the left pane:

1. Setting the square footage (anywhere from 100 to 10000 square feet, at increments of 5) by typing into the field.
2. Setting the number of storeys (anywhere from 1 to 4, naturally at increments of 1) by typing into the field.
3. Press submit.

On the right pane, you may observe the inputs you entered as well as the final housing price prediction on the last line.

Concluding Thoughts

The purpose of this exercise was for the learner to demonstrate knowledge of creating a data product using Shiny and Slidify. An actual housing price prediction model would not only include the two variables in this model, but other geo-spatial and demographic factors that would become an involved modelling process in its own right.

Thanks for your time and consideration!