

Melbourne Housing Project

Using [this data](#) create a model (Linear Regression) to predict a house's value. We want to be able to understand what creates value in a house, as though we were a real estate developer. The project should follow the guideline as:

1. Examine and explore data (visualization, interactions among features)
2. Apply the model for prediction with holdout and cross validation
3. Using PCA, apply the model with holdout and cross validation
4. Visualize the residue and homoscedasticity
5. Tune the model if necessary
6. Write up analysis for each section (for example, explain why the model is overfitting, explain why applying PCA is better, etc.)
7. Include conclusions for summary