



# Property Price Prediction

Information about houses consisting of 79 explanatory variables and Price.

You need to build a Statistical Model using Linear Regression Technique.

Start with Data Exploration. Complete Missing Value Analysis & Treatment and Data Preparation.

Build Linear Regression models. Perform Feature Selection & Feature Engineering. Rebuild your models and compare all your models to select the best one.





### Evaluation.

Evaluation will be based on:

- Data Exploration & Preparation (20%)
- Feature Selection & Engineering (20%)
- Model Comparison (35%)
- Model Selection (10%)
- Presentation (15%)

### Data Preparation.

Perform Missing Value Analysis & Treatment. Treat Outliers accordingly.

### Feature Selection.

Select the right features based on importance and significance

### Feature Engineering.

Apply feature engineering techniques to see how new features can be created to improve the model. Check for Interaction.

### Model Comparison.

Build multiple Linear Regression models and compare model evaluation metrics like R-squared, Adj R-Squared and RMSE

### Model Selection.

Select the best model and specify the reason for your selection