

## Model & Parameters

Choose a model

XGBoost



## Hyperparameter Optimization

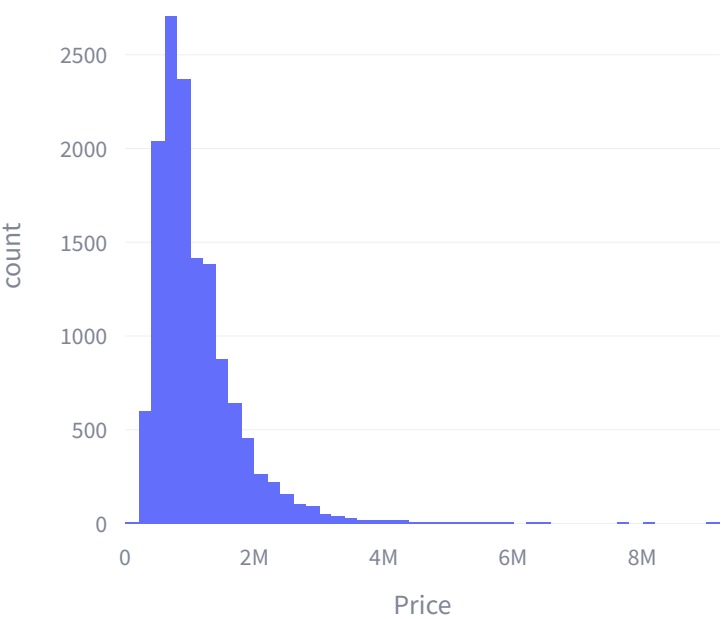
Run GridSearchCV

# Melbourne House Price Prediction App

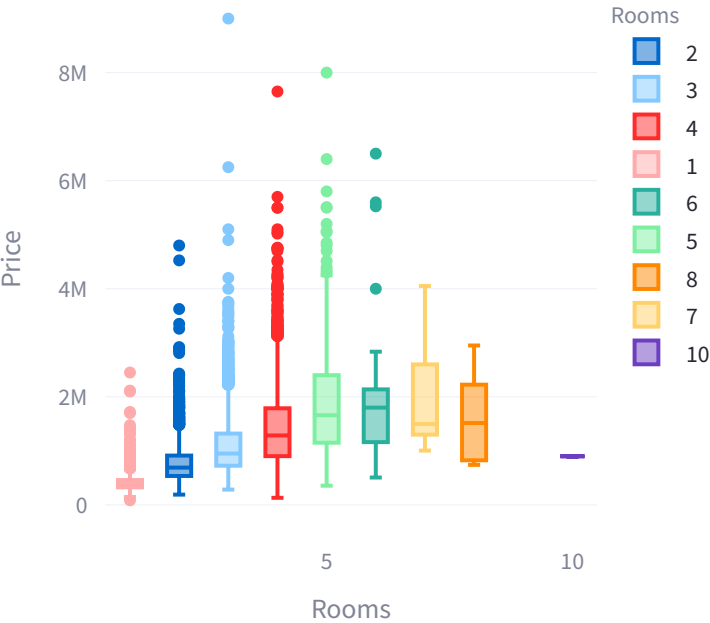
An interactive machine learning web app to predict house prices with multiple models, EDA, and hyperparameter tuning.

## Exploratory Data Analysis

House Price Distribution



Price vs Number of Rooms



Model Performance

Train R<sup>2</sup>

Test R<sup>2</sup>

0.942

0.808

Train vs Test R<sup>2</sup> Score



# Predict House Price

Enter Rooms

3.00

-

+

Enter Distance

9.20

-

+

Enter Bedroom2

3.00

-

+

Enter Bathroom

1.00

-

+

Enter Landsize

440.00

-

+

Enter BuildingArea

126.00

-

+

Enter YearBuilt

1970.00

-

+

Enter Latitude

-37.80

-

+

Enter Longitude

145.00

-

+

Predict Price

Predicted Price: \$1,339,858.25