

# House Pricing

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LINEAR REGRESSION

# Problem Statement

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The company is planning to invest money on house purchase (purchasing the house at low cost and selling it at high)

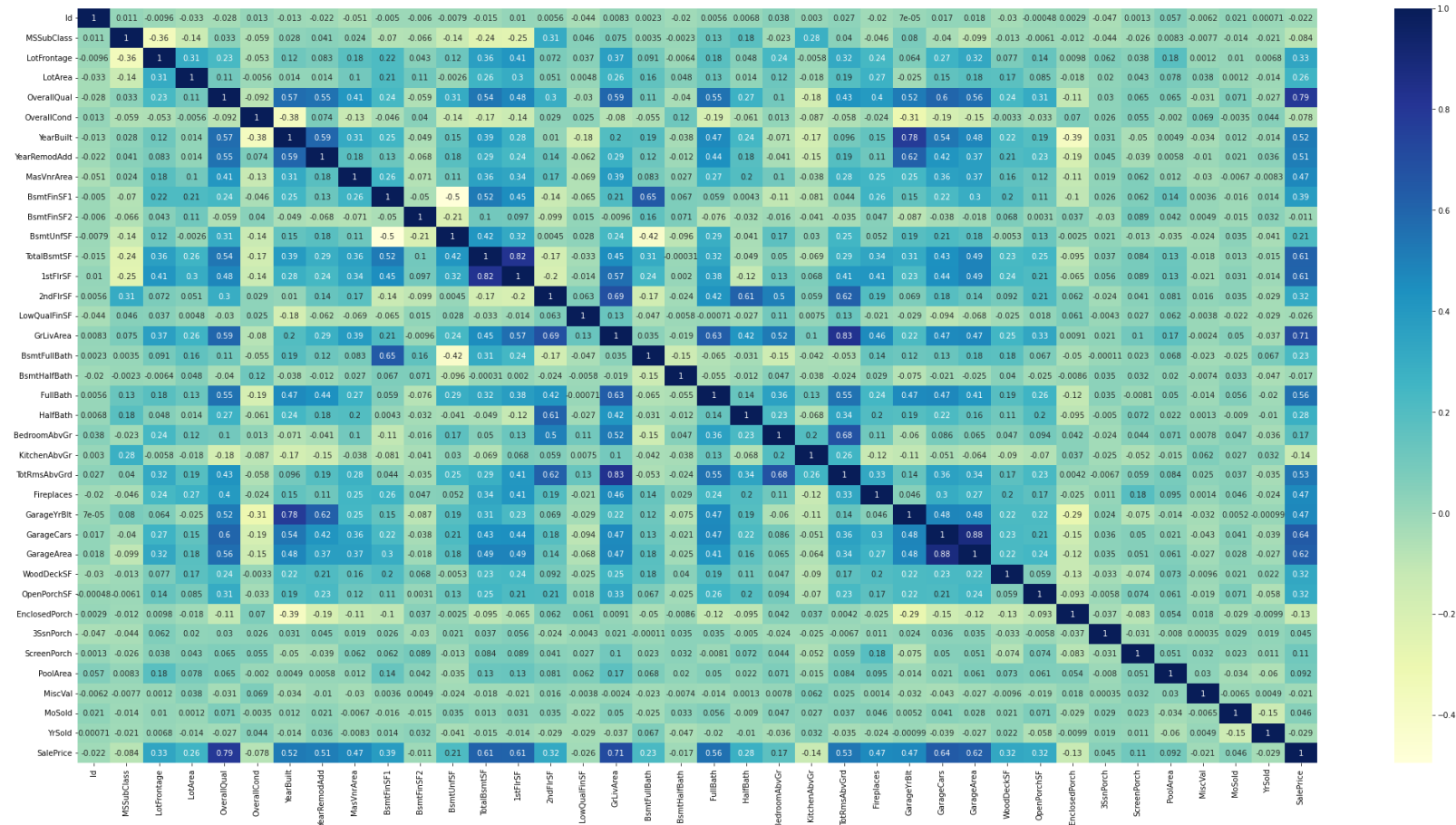
You are required to build a regression model using regularisation in order to predict the actual value of the prospective properties and decide whether to invest in them or not.

The company wants to know:

- Which variables are significant in predicting the price of a house, and
- How well those variables describe the price of a house.

Also, determine the optimal value of  $\lambda$  for ridge and lasso regression

# Pairplot with coefficients between numerical values and predicted value



# Final residual plot

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