House Prices : Advanced Regression Techniques

Competition Description

Ask a home buyer to describe their dream house, and they probably won't begin with the height of the basement ceiling or the proximity to an east-west railroad. But this playground competition's dataset proves that much more influences price negotiations than the number of bedrooms or a white-picket fence.

With 79 explanatory variables describing (almost) every aspect of residential homes in Ames, Iowa, this competition challenges you to predict the final price of each home.

Reference: https://www.kaggle.com/c/house-prices-advanced-regression-techniques

Project Description

Definition: Data of various houses is provided. It contains various features along with the sales price of the houses. Objective is to develop a machine learning model which will predict the sales price of the house.

Use of Solution: This machine learning model could be used by any real estate company, which will allow the users to determine costs of houses in the respective areas

Problem Framing: This machine learning model can be developed by using various regression techniques, supervised learning approach and by implementation of feature engineering.

Performance Measurement: Here we are using Root Mean Squared Log Error as a evaluation metric for the machine learning models and then using Ensembling for getting optimal results.