**Predict House Prices with Advanced Regression Techniques**

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* Introduction

This housing dataset includes 79 explanatory variables describing various aspects of residential homes in Ames, Iowa. We aim to predict the final price of each home with advanced regression methods.

We will first perform exploratory data analysis to check whether the data needs further cleaning and transformation. During exploratory data analysis, we may find more possible features by methods of feature engineering. Then we will adopt model fitting, model selection and advanced regression techniques, such as random forest and gradient boosting, to build reasonable model for predicting house price. At last, we will apply our selected model on testing data to test the model accuracy.

* Data manipulation
* Exploratory Analysis
* Model fitting
* Model Selection
* Conclusion
* Reference

Data is provided by Kaggle

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