

I reviewed the report of group 6 written by HUO Sixian.

Summary of the report:

This report used LGBM as the model and used 5-KFold for training. 15 features about the house information are selected based on common sense.

Describe the strengths of the report:

The report has carefully selected the features and evaluate the importance of the features, so the predict result will have strong interpretability. Furthermore, this action will help to reduce the noise of the model since those irrelevant features base on common sense are dropped away.

Besides, the model used the k-Fold to reduce the variance and improve the prediction accuracy. In fact, the final score of the model is 0.76201 and it is pretty good.

Describe the weaknesses of the report:

Even though the report only choose those intuitive features to reduce potential noise, this behavior also give up the chance to dig more information from those dropped features. Thus, I suggest that the author can try more effort to introduce more and build more features.

Evaluation on Technical Quality (1-5): 5/5

The report is clearly written.

The examples and figures are good used.

The report is well organized.

There is no problem with style and grammar.

There is no issue with typos, formatting, references.

I have no suggestion in this part.

Evaluation on Technical Quality (1-5): 4.5/5

The results are technically sound.

There is no obvious flaw in the reasoning.

The claims are well-supported by theoretical analysis or experimental results.

The experiments are well thought out and convincing.

It is possible for other researchers to replicate these results.

The evaluation is appropriate.

The author clearly assesses both the strengths and weaknesses of their approach.

There is no relevant paper cited, discussed, and compared to the presented work.

Overall rating: 4/5

Confidence on your assessment (1-3): 3/3