

1. Summary:

The group first selects some numerical features by kdeplot, then creates some new features and gets the final feature importance.

In the model part, two methods(LGBM and random forest) were used to train the model. LGBM shows a better performance than random forest.

2. Strength:

I learnt something from the way that the group selects dummy variables. The group drops dummy variables whose difference between maximum target and minimum target less than a threshold which may show some importance of that column.

The group creates some new features that play important roles in model training part.

The group also compares different machine learning methods and shows that one of them is better than the other one.

3. Weakness:

The group only uses raw application data and bureau data. There must be something new to be discovered in other data.

The group doesn't tell how the hyper-parameters that LGBM uses are selected.

Evaluation on Clarity and quality of writing: 4

Evaluation on Technical Quality: 4

Overall rating: 4

Confidence on my assessment: 3