

Practice quiz

Practice Quiz, 3 questions

✓ **Congratulations! You passed!**

Next Item



1 / 1
point

1.

What can we do to deal with overfitting in LightGBM?



Increase ``bagging_seed``



Un-selected is correct



Decrease ``min_data_in_leaf``



Un-selected is correct



Increase ``bagging_fraction``



Un-selected is correct



Increase ``min_data_in_leaf``



Correct

Yes, this parameter serves as regularization parameter: the higher ``min_data_in_leaf``, more regularized the model.



Decrease ``num_leaves``



Correct

In fact, higher ``num_leaves`` more complex trees GBM can build.

Practice quiz ^{1 / 1} point

Practice Quiz, 3 questions

2.

What of the following parameter changes speed-up *training process* for LightGBM? That is, time needed for one boosting iteration is decreased.

☐

Increasing max_bin



Un-selected is correct

☐

Decreasing verbosity



Un-selected is correct

☒

Decreasing num_leaves



Correct

Correct! The number of splits in a tree is very dependent on num_leaves parameter.

☒

Decreasing bagging_fraction



Correct

Yes! This parameter controls fraction of objects, that will be used at every boosting iteration.



1 / 1
point

3.

How usually training time of SVM changes if we increase the value of parameter "C"?

☒

Training time increases



Correct

Yes! That is why it is better to start with small values of "C"

☐

Training time decreases

Practice quiz

Practice Quiz, 3 questions

