Congratulations! You passed!
TO PASS 80% or higher

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GRADE
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Practice quiz

TOTAL POINTS 3

1. What can we do to deal with overfitting in LightGBM? **1 / 1 point**

- [ ] Decrease `min_data_in_leaf`
- [x] Increase `min_data_in_leaf`

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

- [x] Decrease `num_leaves`

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

- [ ] Increase `bagging_fraction`
- [ ] Increase `bagging_seed`

2. What of the following parameter changes speed-up *training process* for LightGBM? That is, time needed for one boosting iteration is decreased. **1 / 1 point**

- [x] Decreasing bagging_fraction

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

- [ ] Decreasing verbosity
- [ ] Increasing max_bin
- [x] Decreasing num_leaves

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

3. How usually training time of SVM changes if we increase the value of parameter "C"? **1 / 1 point**

- ( ) Training time decreases
- (•) Training time increases

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