

Metrics

练习测验, 6 个问题

6/6 分 (100%)

✓ **恭喜！您通过了！**



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1 / 1
分数

1.

What would be a logloss value for a binary classification task, if we use constant predictor $f(x) = 0.5$? Round to two decimal places.

正确回答

Exactly!



1 / 1
分数

2.

The best constant predictor for MAE metric is



Target mode



未选择的是正确的



Target mean



未选择的是正确的



Target median



正确

Yes!



0.5



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未选择的是正确的

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Target 50-th percentile



正确
Yes!



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1 / 1
分数

3.

The best constant predictor for mean squared error is



Target mean



正确
Right!



Average of the target vector



正确
Exactly!

 $\log(y + 1)$, where y is target vector

未选择的是正确的



Target variance



未选择的是正确的



1 / 1
分数

4.

The best constant prediction for AUC is



Target mean divided by target variance



正确

What if you always predict target median? Would AUC value change?

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☐

Any constant will lead to the same AUC value



正确

Exactly!

☐

0.5



正确

Yes, any constant works.

☐

1



正确

Yes, any constant works.

☐

Target median



正确

What if you always predict target mean? Would AUC value change?

☐

Target mean



正确

What if you always predict target median? Would AUC value change?



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1 / 1

分数

5.

Suppose the target metric is R-squared. What optimization loss should we use for our models?

☐

RMSLE



未选择的是正确的

☐

MAE



未选择的是正确的

RMSE

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正确

Yes!

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AUC

未选择的是正确的

MSE

正确

Yes!

1 / 1
分数

6.
Calculate AUC for these predictions:

target	prediction
1	0.39
0	0.52
1	0.91
1	0.85
1	0.49
0	0.02
0	0.44

Round to 2 decimal places.

0.75

正确回答

Yes!

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