



Congratulations! You passed!

TO PASS 66% or higher

Keep Learning

GRADE

100%

Metrics

TOTAL POINTS 6

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.

1 / 1 point

0.69



Correct

Exactly!

2. The best constant predictor for MAE metric is

1 / 1 point

☐ 0.5

☒ Target median

 **Correct**

Yes!

☐ Target mean

☒ Target 50-th percentile

 **Correct**

Yes!

☐ Target mode

3. The best constant predictor for mean squared error is

1 / 1 point

☒ Target mean

✓ **Correct**

Right!

☒ Average of the target vector

✓ **Correct**

Exactly!

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

☐ Target variance

4. The best constant prediction for AUC is

1 / 1 point

☒ Target median

✓ **Correct**

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

☒ 0.5



Correct

Yes, any constant works.

☒ Target mean divided by target variance



Correct

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

☒ Target mean



Correct

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

☒ Any constant will lead to the same AUC value



Correct

Exactly!



1



Correct

Yes, any constant works.

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

1 / 1 point



RMSLE



RMSE



Correct

Yes!

☒ MSE

 **Correct**
Yes!

☐ MAE

☐ AUC

6. Calculate AUC for these predictions:

1 / 1 point

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



Correct

Yes!