Metrics

Practice Quiz, 6 questions

✔ **Congratulations! You passed!**

✔ 1 / 1
   point

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.

0.69

△

Correct Response
Exactly!

✔ 1 / 1
   point

2.

The best constant predictor for MAE metric is

☐ 0.5

△

Un-selected is correct

☑ Target median

△

Correct
Yes!

☐ Target mode

△
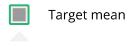
Un-selected is correct

☑ Target mean

Un-selected is correct

☑ Target 50-th percentile
▲

Correct
Yes!

✔ 1 / 1
point

3.

The best constant predictor for mean squared error is

☑ Target mean
▲

Correct
Right!

☑ Average of the target vector
▲

Correct
Exactly!

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

Un-selected is correct

☐ Target variance
▲

Un-selected is correct

✔ 1 / 1
point

4.
The best constant prediction for AUC is

☑ 1

Correct
Yes, any constant works.

☑ Target median

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

☑ Any constant will lead to the same AUC value

Correct
Exactly!

☑ Target mean

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

☑ Target mean divided by target variance

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

☑ 0.5

Correct
Yes, any constant works.

✔ 1 / 1
point

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

☐

☐ MAE

Un-selected is correct

■ MSE

Correct
Yes!

☐ RMSLE

Un-selected is correct

☐ AUC

Un-selected is correct

■ RMSE

Correct
Yes!

✓   1 / 1
     point

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

Correct Response
Yes!