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**

- [ ] Target mean
- [x] Target median

Correct
Yes!

- [ ] 0.5
- [x] Target 50-th percentile

Correct
Yes!

- [ ] Target mode

3. The best constant predictor for mean squared error is **1 / 1 point**

- [x] Target mean

Correct
Right!

- [x] 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**

- [x] Target mean

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

- [x] Any constant will lead to the same AUC value

Correct
Exactly!

- [x] 0.5

Correct
Yes, any constant works.

- [x] Target median

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

- [x] Target mean divided by target variance

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

- [x] 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**

- [ ] AUC
- [x] MSE

Correct
Yes!

- [ ] RMSLE
- [x] RMSE

Correct
Yes!

- [ ] MAE

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!