

← Metrics

Practice Quiz • 12 min

Metrics optimization

Reading: Week 3 overview

10 min

Video: Misconception

8 min

Video: Regression metrics

14 min

Notebook: Comments for MSE and MAE

10 min

Video: Regression metrics

8 min

Notebook: A note about weighted median

10 min

Video: Classification metrics

20 min

Video: General approaches for metrics optimization

6 min

Video: Regression metrics optimization

10 min

Video: Classification metrics optimization I

7 min

Video: Classification metrics optimization II

6 min

Notebook: "Soft k-neighbor" loss minimization

5 min

Practice Quiz: Metrics

6 questions

Quiz: Metrics

4 questions

Reading: Comments on quiz

10 min

Reading: Additional material and links

10 min

Mean encodings

PRACTICE QUIZ • 12 MIN

Metrics

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Grade

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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 point

Enter answer here

2. The best constant predictor for MAE metric is

1 point

☐ Target median

☒ Target mode

☐ Target mean

☐ Target 104th percentile

☐ 0.5

3. The best constant predictor for mean squared error is

1 point

☐ Target mean

☐ Average of the target vector

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

☐ Target variance

4. The best constant prediction for AUC is

1 point

☐ Target mean

☐ 0.5

☐ 1

☐ Target median

☐ Target mean divided by target variance

☐ Any constant will lead to the same AUC value

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

1 point

☐ RMSLE

☐ RMSE

☐ MSE

☐ MAE

☐ AUC

6. Calculate AUC for these predictions:

1 point

target	prediction
1	0.39
0	0.52
1	0.91
1	0.85
1	0.49
0	0.82
0	0.44

Round to 2 decimal places.

Enter answer here

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