Metrics

Practice Quiz, 6 questions

Congratulations! You passed!

Next Item

0 / 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.

0.65

Incorrect Response

0.60 / 1 point

2.
The best constant predictor for MAE metric is

- [ ] Target mean

This should not be selected
Incorrect

- [ ] Target mode

Un-selected is correct

- [ ] 0.5

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Un-selected is correct

- [ ] Target median

This should be selected

- [x] Target 50-th percentile

Correct
Yes!

---

1 / 1 point

3.
The best constant predictor for mean squared error is

- [x] Target mean

Correct
Right!

- [x] Average of the target vector

Correct
Exactly!

- [x] $log(y+1)$, where y is target vector

Un-selected is correct

- [x] Target variance

Un-selected is correct

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1 / 1 point

4.

The best constant prediction for AUC is

- [x] 0.5

Correct
Yes, any constant works.

- [x] 1

Correct
Yes, any constant works.

- [x] Target mean divided by target variance

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] Target median

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

- [x] Target mean

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

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1 / 1 point

5.

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

- [ ] AUC

Un-selected is correct

- [ ] MSE

Correct
Yes!

- [ ] RMSE

Correct
Yes!

- [ ] MAE

Un-selected is correct

- [ ] RMSLE

Un-selected is correct

1 / 1 point

6.

Calculate AUC for these predictions:

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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!