Kahoot!

Regression. Linear Regression

1 play · 4 players

A public kahoot

Questions (15)

1 - Quiz

20 sec

When creating an instance of a model/estimator, does it matter what you name the object?

- Yes, the name has to be "linreg" for an instance of LinearRegression ✗
- No, the name of the object doesn't matter ✓

2 - Quiz

20 sec

During which step do you specify the hyperparameters for a model?

- When importing the model's class ✗
- When creating an instance of that class ✓
- When fitting the instance with data ✗

3 - Quiz

20 sec

Do you have to specify all hyperparameters for a model, or only the ones you want to change from the default values?

- All hyperparameters ✗
- Only the ones you want to change from the default values ✓

4 - Quiz

20 sec

When fitting a model with data, do you need to assign the results to an object?

- Yes ✗
- No ✓

5 - Quiz

20 sec

Can you make predictions for multiple out-of-sample observations at the same time?

- Yes ✓
- No ✗

6 - Quiz

20 sec

In the context of Machine Learning, what's the difference between "regression" and "linear regression"?

- Regression is a type of problem, and linear regression is a type of model ✓
- Regression is a type of model, and linear regression is a type of problem ✗
- There is no difference ✗

7 - Quiz

20 sec

What's the main drawback to linear regression?

- It runs slowly ✗
- It requires a lot of tuning ✗
- It's hard to interpret ✗
- It can't automatically model non-linear relationships ✓

8 - Quiz

20 sec

If your X and y are pandas objects, can you pass those objects directly to scikit-learn?

- Yes, you can pass them directly to scikit-learn ✓
- No, you have to convert them to NumPy arrays before passing them ✗

9 - Quiz

20 sec

If your X and y are pandas objects, what types of objects should they be in order to be passed to sklearn?

- X should be a DataFrame, and y should be a Series ✓
- X should be a Series, and y should be a DataFrame ✗
- Both X and y should be a DataFrame ✗
- Both X and y should be a Series ✗

10 - Quiz

20 sec

Do the results of a Machine Learning model prove causation?

- Yes, they prove causation ✗
- No, they just demonstrate associations ✓

11 - Quiz

20 sec

Which of the following regression metrics does not "punish" larger errors by increasing their weight?

- Mean Absolute Error ✓
- Mean Squared Error ✗
- Root Mean Squared Error ✗

12 - Quiz

20 sec

If your evaluation metric includes the word "error", should you try to minimize or maximize that number?

- Minimize ✓
- Maximize ✗

13 - Quiz

60 sec

Which of the statements is true?

- The model under estimated the shelf-life of the apple. ✗
- The model over estimated the shelf-life of the apple. ✓
- Residuals have nothing to do with the performance of the model. ✗

14 - Quiz

60 sec

Read the picture and answer the question.

- w*x*x is more general ✓
- w*x is more general ✗

15 - Quiz

20 sec

A regression model achieves R-squared metric of 0.95. What does this metric tell you about the model?

- The model explains most of the variance between predicted and actual values ✓
- The model is 95% accurate. ✗
- On average, predictions are 0.95 higher than actual values. ✗