Q10 (through Regression 2)

This is a preview of the published version of the quiz

Started: Dec 14 at 9:51am

Quiz Instructions

Question 1 0.1 pts

A call to score() on a LinearRegression model usually (though not always) returns a score in the range of 0 to 1. What is better?

- a score closer to 0
- a score closer to 1

Question 2 0.1 pts

You want to predict a categorical label based on a single numeric feature. What kind of problem is this?

- classification
- clustering
- regression
- decomposition

Question 3 0.2 pts

Which of the following problems fall under the category of unsupervised learning?

- [ ] decomposition
- [ ] regression
- [ ] clustering
- [ ] classification

Question 4 0.2 pts

For which machine learning problems do we have features?

- [ ] decomposition
- [ ] classification
- [ ] clustering
- [ ] regression

Question 5 0.1 pts

You want to extract a subset of a DataFrame's columns to produce a new DataFrame. What should go between the brackets?

df[????]

- ○ a string, equal to the name of the label column
- ○ a string, equal to the name of a feature column
- ○ a list of strings

- ◯ a OneHotEncoder
- ◯ a make_column_transformer
- ◯ an int

Question 6 — 0.1 pts

scores1 and scores2 are scores returned from cross_val_score on models 1 and 2, respectively. scores1.mean() is about the same as scores2.mean(), but scores1.std() is larger than scores2.std(). Which model will generally be preferred, all other considerations being equal?

- ◯ model 1
- ◯ model 2

Question 7 — 0.1 pts

What is a best practice to make sure a good score is not the result of overfitting?

- ◯ fit to testing data, score on training data
- ◯ fit to training data, score on training data
- ◯ fit to testing data, score on testing data
- ◯ fit to training data, score on testing data

Question 8 — 0.1 pts

If you want to score your model against several different train/test splits so you can take an average, and you want to do so with a single method/function call, what should you use?

- ◯ train_test_split
- ◯ score_many
- ◯ predict
- ◯ fit_score
- ◯ cross_val_score

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