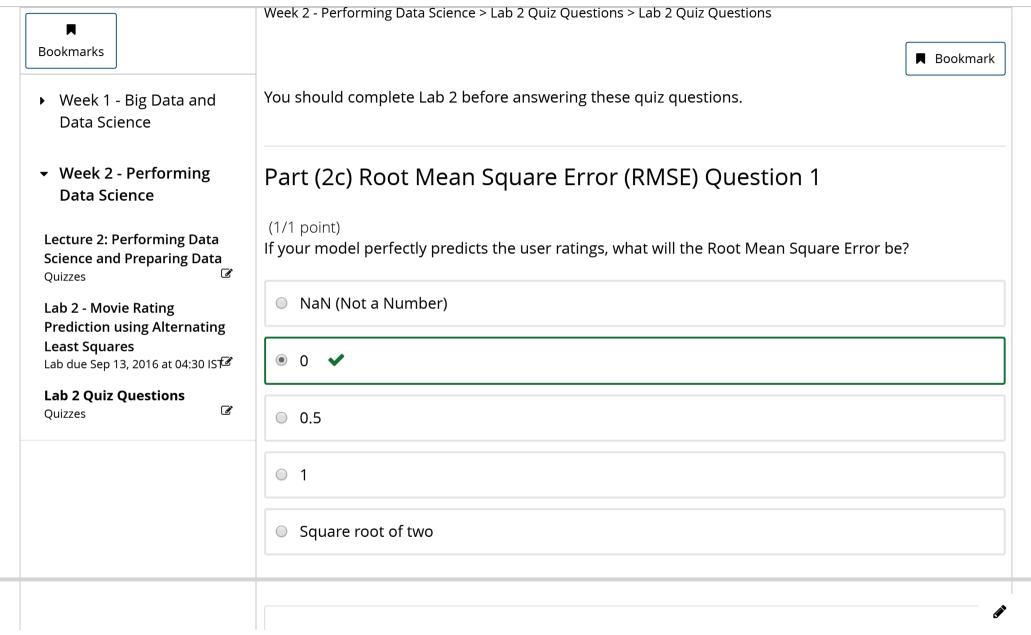


### BerkeleyX: CS110x Big Data Analysis with Apache Spark



#### **EXPLANATION**

If the model perfectly predicts the ratings, the residuals will all be zero, so the RMSE will be zero.

# Part (2c) Root Mean Square Error (RMSE) Question 2

(1/1 point)

If all of the predicted ratings are off by one (that is they are 1 higher or lower than the actual ratings), what will the RMSE be?

- NaN (Not a Number)
- 0
- 0.5
- 1
- Square root of two

#### **EXPLANATION**

If all values are off by one, the residuals will all be plus or minus 1, so the RMSE will be one.

## Part (2d) Comparing Your Model to Average Ratings

(1/1 point)

How do your model's predicted ratings compare to using the average rating?

- The model is less accurate than using the average rating
- The model has comparable accuracy to using the average rating
- ullet The model is more accurate than using the average rating ullet
- The model cannot be compared with using the average rating

#### **EXPLANATION**

Your model more accurately predicts the ratings than using just the average rating, as the model's RMSE is significantly lower than the RMSE when using the average rating.

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