An embedding layer An embedding vector

6. In the Neural Networks lab, what is meant by embedding? Finding the dot product of the embedding vector and the one-hot coding vector Transforming an embedding layer into a one-hot coding vector Embedding the one-hot encoding vector into a latent feature space Transforming a one-hot coding vector into an embedding vector ✓ Correct Correct. In the Neural Networks lab embedding means embedding the one-hot encoding vector into a latent feature space.

Correct. If a neural network is provided with a user one-hot vector and an item one-hot vector, the output

1/1 point

1/1 point

1/1 point

0/1 point

1/1 point

A rating estimation

should be a rating probability.

**⊘** Correct

7. In the Regression lab, what is the data that is input into the regression model? An interaction feature vector An embedding vector A rating vector A one-hot coding vector **⊘** Correct Correct. The data input into the regression model is an interaction feature vector representing the interaction between user i and item j.

8. Which of the following method(s) can be used to aggregate two feature vectors? Element-wise addition Element-wise multiplication Element-wise max/min All of the above **⊘** Correct

Correct. All of these methods can be used to aggregate two feature vectors. 9. In the Classification lab, which values are used as input to LabelEncoder()?

 Embedding feature vector Rating mode Interaction feature vector One-hot coding vector **⊗** Incorrect Incorrect. Review the Classification-based Rating Score Prediction Using Embedding Features lab.

O An item vector Encoded labels An embedding feature vector

10. What does the fit\_transform() method in the LabelEnocder class return?

Rating modes **⊘** Correct

Correct. The fit\_transform() method returns encoded labels.