8. In the following code, sim_df represents a course similarity matrix.

1/1 point

sim_matrix = sim_df.to_numpy()

sim = sim_matrix[200][158]

sim

What does the output of this code represent?

The similarity measurement between the courses with indices 200 and 158

A course similarity matrix with 158 rows and 200 columns

The course name found in the cell located in row 200 and column 158

A course similarity matrix with 200 rows and 158 columns

Correct

Correct. This line of code finds the value in the similarity matrix at row 200, column 158.

9. In the Clustering-based Course Recommender System Lab, which of the following ranges contains the point that indicates the optimized number of clusters in order to apply the K-means algorithm to generate the cluster label for all users?

0 / 1 point

0-10
 21-30
 11-20
 30+

⊗ Incorrect

Python and DataAnalysis

courses.

10. In the Clustering-based Course Recommender System Lab, which of the following pairs of course genres are the most highly correlated according to the covariance matrix?
On the pand Frantand Day.

1/1 point

most highly correlated according to the covariance matrix.
O Python and FrontendDev
O ComputerVision and DataScience
O CloudComputing and BigData

✓ Correct
Correct. The covariance heatmap matrix shows that Python and DataAnalysis are highly correlated

Incorrect. Review the Clustering-based Course Recommender System lab.