Congratulations! You passed!

TO PASS 75% or higher

Keep Learning

GRADE
75%

Lesson 6 Quiz

LATEST SUBMISSION GRADE

75%

1. Which of the following measures can be used as external measures for clustering validation? Select all that apply. **1 / 1 point**

✓ **Correct**

2. The following table summarizes the clustering results of a newly designed algorithm where C_1, C_2, and C_3 denote the clusters, while T_1, T_2, and T_3 are ground truth. Based on the table , calculate the purity of the clustering algorithm. **1 / 1 point**

C\T	T_1	T_2	T_3	Sum
C_1	20	30	10	60
C_2	30	40	10	80
C_3	0	0	60	60
m_j	50	70	80	200

✓ **Correct**

3. **0 / 1 point**

The following table summarizes the clustering results of a newly designed algorithm where C_1, C_2, and C_3 denote the clusters, while T_1, T_2, and T_3 are ground truth. Based on the table, calculate the maximum matching score of the clustering algorithm.

C\T	T_1	T_2	T_3	Sum
C_1	10	40	10	60
C_2	20	10	30	60
C_3	30	0	50	80
m_j	60	50	90	200

! **Incorrect**

4. The following table summarizes the clustering results of a newly designed algorithm where C_1, and C_2 denote the clusters, while T_1, and T_2 are ground truth. Which of the following statements are correct? Select all that apply. **1 / 1 point**

C/T	T_1	T_2	Sum
C_1	9	1	10
C_2	2	8	10
m_j	11	9	20