Congratulations! You passed!

TO PASS 75% or higher

GRADE
100%

Lesson 4 Quiz

LATEST SUBMISSION GRADE

100%

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1. Which of the following is a hierarchical clustering algorithm?   **1 / 1 point**

        ✓ **Correct**
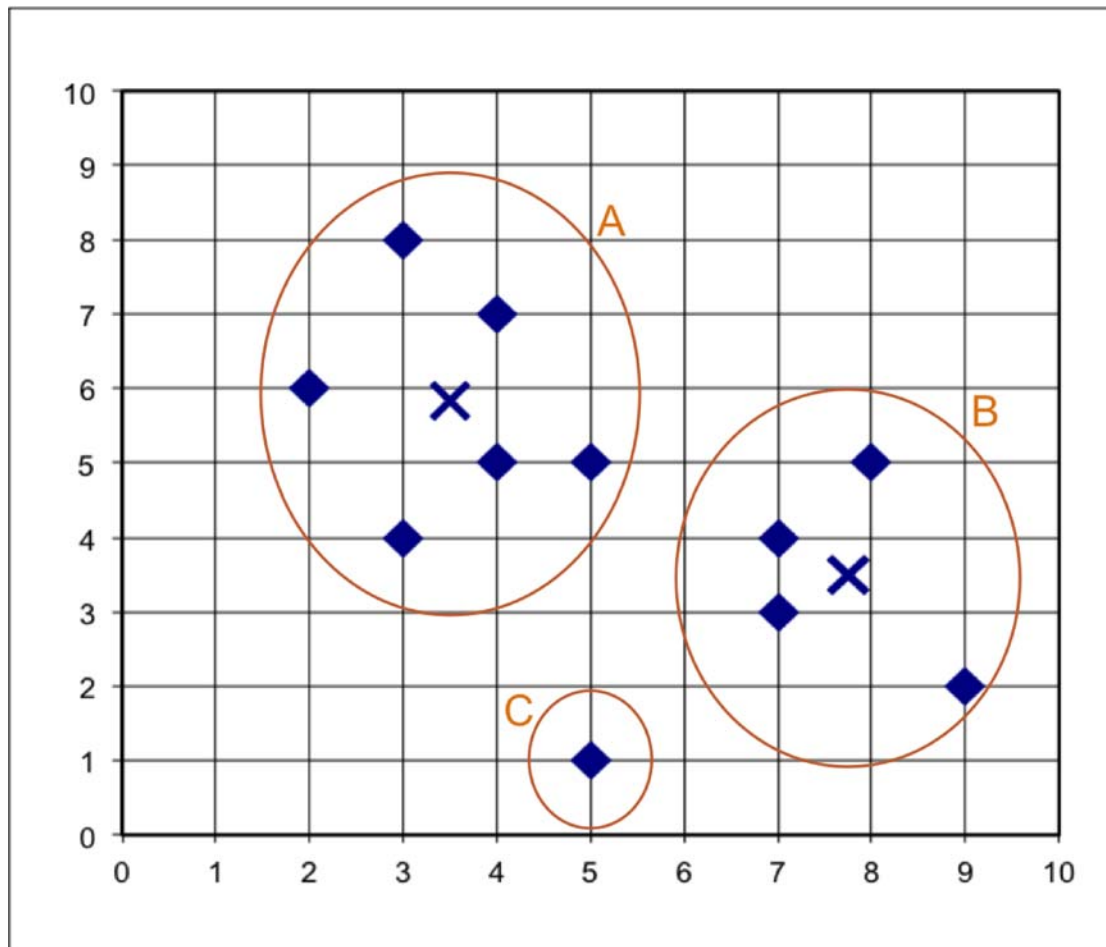
2.   **1 / 1 point**

Consider the three clusters A, B, and C shown in Figure 1. Using Euclidean distance as the similarity measure, which two clusters would be merged first in agglomerative clustering using centroid link? Centroids in A and B are marked by x.

✓ **Correct**

3. Consider the three hierarchical clustering algorithms introduced in Lecture 4, BIRCH, CURE, and CHAMELEON. Which of the following statements about these algorithms is TRUE?   1 / 1 point

✓ **Correct**

4.   1 / 1 point

Recall from Lecture 4-8 that the objective of learning generative models is to find the parameters that maximize the likelihood of the observed data. Suppose we have a set of points D drawn from Gaussian distribution. For D = {-5, 5, 15}, which of the following set of parameters (μ, σ) produces the maximum $L(N(\mu, \sigma^2): D)$?

✓   **Correct**