1	
point	

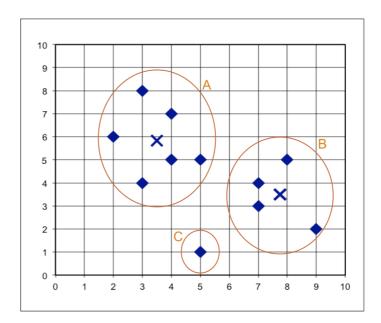
1. Which of the following is NOT a hierarchical clustering algorithm?

	K-Means
--	---------

BIRCH
DILCI

- CHAMELEON
- AGNES

1 point 2. 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.

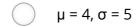


				A and B
				A and C
				B and C
Lesson 4 (Quiz, 4 questions				All three options above are tied.
	1 point	3.	algo CUF follo	sider the three hierarchical clustering orithms introduced in Lecture 4, BIRCH, RE, and CHAMELEON. Which of the owing statements about these algorithms
	Ouiz			Clustering results of BIRCH are not sensitive to the insertion order of data points.
	_			All three algorithms can only work with Euclidean distance as the similarity metric.
				CHAMELEON and CURE are better at capturing irregular shaped clusters than BIRCH.
				CHAMELEON requires a graph as the input.
	1 point	4.	learnir param observ	from Lecture 4-8 that the objective of ag generative models is to find the eters that maximize the likelihood of the red data. Suppose we have a set of points on from Gaussian distribution. For D = {-4,

5, 14}, which of the following set of parameters (μ, σ) produces the maximum L(N(μ, σ^2): D)?

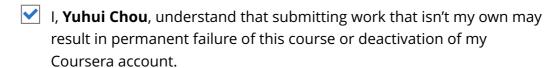
> mu = (-4+5+14)/3 = 5 sigma = sum(xi-mu)^2/n-1

https://www.coursera.org/learn/cluster-analysis/exam/GljNS/lesson-4-quiz



$$μ = 0, σ = 9$$

$$\mu = 5$$
, $\sigma = 4$



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