CSE519 Quiz 24

It can handle nested clusters

Total points 4/7

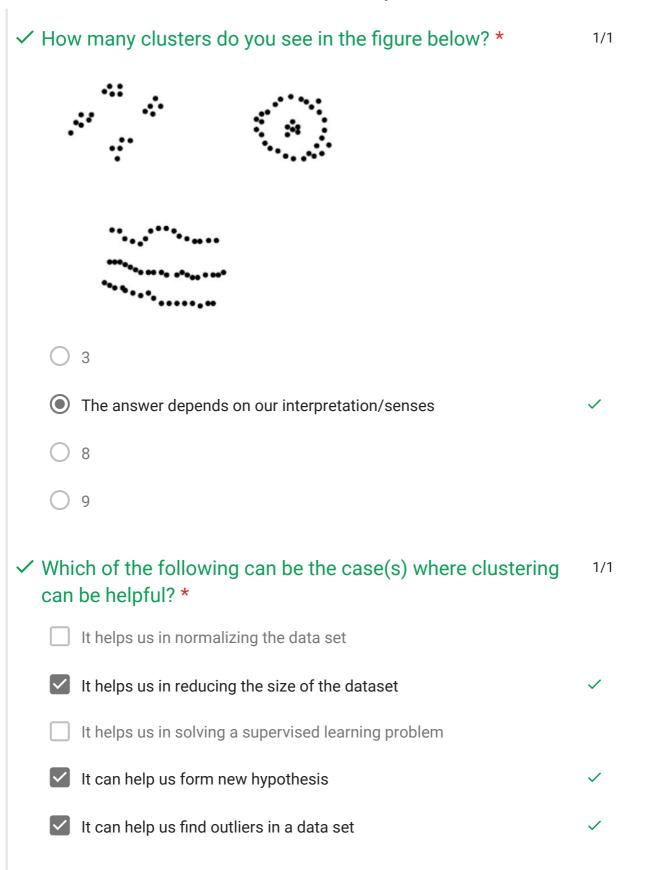
This quiz is set to analyze your basic understanding about the last lecture of the course. Be sure to answer all questions carefully because this will be graded.

The respondent's email address (aditya.choudhary@stonybrook.edu) was recorded on submission of this form.

Section score 4/7

✓	Whi	ch of the following is/are true for K-means clustering? *	1/1
	~	It is difficult to train on categorical data since there is no mean for centroids	✓
		It doesn't need the number of clusters to be specified in advance	
	/	It cannot handle outliers	✓

		ch of the following options suggest ways to handle the ices with out degree equal to zero in PagaRank algorithm?	0/1
	/	We can make them randomly link to other vertices	×
	/	We can make such a vertices link to themselves	×
		We can create a new vertex (god vertex) which links to every page and make every other page link to it	
	✓	We can remove such vertices	✓
Correct answer			
		We can remove such vertices	
	~	We can create a new vertex (god vertex) which links to every page and make every other page link to it	
		hich of the following types of graphs does the PageRank orithm fail to converge? *	0/1
		An acyclic graph	
	~	A bipartite graph	~
		A complete bipartite graph	
		A regular graph	
Correct answer			
		A bipartite graph	
		A complete bipartite graph	



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X Which of the following option(s) holds true in case of Grid Files? *	0/1	
Most of the cells are generally empty, making it inefficient	✓	
One of the limitations is that all points can be locally concentrated in just one cell making it hard to understand clusters	✓	
Things get difficult when the number of dimensions increases.	✓	
The idea is to cluster points by using a hash function such that h(a)=h(b)	×	
Correct answer		
One of the limitations is that all points can be locally concentrated in just one cell making it hard to understand clusters	ı	
Most of the cells are generally empty, making it inefficient		
Things get difficult when the number of dimensions increases.		
✓ Which of the following option(s) is/are true regarding unsupervised learning? *		
Clustering is an example of unsupervised learning	✓	
PageRank is an example of unsupervised learning	✓	
In unsupervised learning, the target variables are present in the training data set.	g	
In unsupervised learning, the target variables are not present in the training data set.	✓	

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