## Lesson 1 Quiz 测验, 4 个问题

1 point	t				
1。					
Which	of the following statements are true? Select all that apply.				
$\checkmark$	Clustering analysis is unsupervised learning since it does not require labeled training data.				
	It is impossible to cluster objects in a data stream. We must have all the data objects that we need to cluster ready before clustering can be performed.				
$\checkmark$	Clustering analysis has a wide range of applications in tasks such as data summarization, dynamic trend detection, multimedia analysis, and biological network analysis.				
	When clustering, we want to put two dissimilar data objects into the same cluster.				
1 point					
2.					
What are some common considerations and requirements for cluster analysis? Select all that apply.					
	We must know the number of output clusters a <i>priori</i> for all clustering algorithms.				
$\checkmark$	We need to be able to handle a mixture of different types of attributes (e.g.,numerical and categorical).				
<b>✓</b>	In order to perform cluster analysis, we need to have a similarity measure between data objects.				



We need to consider how to incorporate user preference for cluster size and shape into the clustering algorithm.

1 point					
3。 Which o	of the following statements are true? Select all that apply.				
	There are no clustering algorithms that can handle time- series data since we always assume that the data points are temporally independent from each other.				
<b>✓</b>	Dimensionality reduction helps make high-dimensional clustering more feasible and scalable.				
	Since cluster analysis is unsupervised learning, there's way to incorporate user preference or guidance into the clustering process.				
<b>✓</b>	K-means is an example of a distance-based clustering method.				
1 point					
for the	need to choose between clustering and supervised learning following applications, for which ones would you choose ng over supervised learning? Select all that apply.				
	A hospital has collected the health measurements for a number of heathy people and the patients who are infected with disease X; it needs to determine whether a new person is infected with disease X after collecting his/her health data.				
<b>/</b>	Find user communities in online social networks such as Facebook and Twitter.				

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	<b>✓</b>	Given a large number of web pages, discover the latent topics discussed by those web pages.	
	<b>✓</b>	我( <b>伟臣 沈</b> )了解提交不是我自己完成的作业 将永远不会通过 此课程或导致我的 Coursera 帐号被关闭。 了解荣誉准则的更多信息	
		提交测验	