Υ	our latest: 10	rade: 100% 00% • Your highest: 100% eed at least 66%. We keep your highest score.	
	Next ite		
1.	What is a	1/1 point	
		nput matrix for NMF consists of only positive values. ect! The intuition behind NMF is adding together different values so that it can never undo	
	арр	ication of a latent feature.	
		PCA finds a representation of the data in a lower dimension, whereas NMF does not.	
		requires orthogonal vectors created, whereas such constraint doesn't apply for PCA.	
	O NMF	decomposes the original matrix, whereas PCA does not.	
2.	In which case would you prefer using PCA over NMF?		1/1 point
	O When	the original decomposition strictly contains positive values.	
	Wher	you have a linear combination of features.	
	Corr	ect! PCA excels in handling and creating linear combination of the original features.	
	When cancelling out with negative values is not desired.		
	O When	When you want to decompose videos, music, or images.	
3.	Which of the following is the most suitable for NMF?		1/1 point
	Reconstruct a text document with learned topics (features).		
		ect! NMF can be very powerful in natural language processing by outputting the relationship veen terms and topics, which are used as features to reconstruct the document.	
	Analy	ze potential movements and relationships of multiple stocks.	
	O Predi	ct the price of a rental space based on location, facility, and average rent in the surrounding area.	

O Learn features for a dataset in which negative values are highly insightful and valuable.