Questions on PCA

TOTAL POINTS 3

I. Ar in	mong dimension reduction, what technique exist to visualize more than three dimensions a single plot? (Select all that apply)	1/1 point
~	Color coding for discrete dimensions	
	✓ Correct Correct	
~	Using different symbols apart from simple points for discrete dimensions	
	✓ Correct Correct	
	Sum Kurtosis and Skewness together for each row	
	Calculate the Standard Deviation of each row	
	Apply Fast Fourier Transformation	
~	Add multiple lines to a run chart	
	✓ Correct Correct	
. Wł	hat properties are true about PCA for dimension reduction? (Select all that apply)	1 / 1 point
	PCA simply removes the columns with the highest correlation because their information content is lowest	
	PCA is a linear transformation, this means most of the original propertes of your data are preserved	
	✓ Correct Correct	
~	PCA transforms your dataset so that the first k dimensions have the lowest correlation among each other	
	✓ Correct Correct	
	PCA is a non-linear transformation, this means most of the original properties of your data set are lost	
8. W	hich of the following statements is true about information loss using PCA?	1 / 1 point
C	PCA dimensionality reduction is lossless	
•) PCA dimensionality reduction is lossy	
	✓ Correct Correct	