Congratulations! You passed!

1.251903-0.3418283

Grade received 100% To pass 80% or higher

Go to next item

1.	Given a corpus A, encoded as $\begin{pmatrix} 1 \\ 2 \\ 2 \end{pmatrix}$ and corpus B encoded as $\begin{pmatrix} 4 \\ 7 \\ 2 \end{pmatrix}$, What is the euclidean distance between the	1/1 point
	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	
	5.91608	
	O 35	
	O 2.43	
	O None of the above	
2.	(3)	1/1 point
۷٠	Given the previous problem, a user now came up with a corpus C defined as $\begin{pmatrix} 1 \\ 4 \end{pmatrix}$ and you want to recommend	1/1 point
	a document that is similar to it. Would you recommend document A or document B?	
	Document A	
	O Document B	
	○ Correct That is correct	
3.	Which of the following is true about euclidean distance?	1/1 point
٠.	✓ When comparing similarity between two corpuses, it does not work well when the documents are of	1/1 point
	different sizes.	
	○ Correct That is correct.	
	It is the norm of the difference between two vectors.	
	☐ It is a method that makes use of the angle between two vectors	
	☐ It is the norm squared of the difference between two vectors.	
4.	What is the range of a cosine similarity score, namely <i>s</i> , in the case of information retrieval where the vectors are positive?	1 / 1 point
	$-1 \le s \le 1$	
	\square $-\infty \leq s \leq \infty$	
	$ oldsymbol{ oldsymbol{0}} $ $0 \leq s \leq 1$	
	○ Correct That is correct.	
	\square $-1 \leq s \leq 0$	
	(1)	
5.	The cosine similarity score of corpus A = $\begin{pmatrix} 1 \\ 0 \\ -1 \end{pmatrix}$ and corpus B = $\begin{pmatrix} 2 \\ 8 \\ 1 \end{pmatrix}$ is equal to ?	1/1 point
	0.08512565307587486	
	0.0	

6. we will define the following vectors, USA = (\$\frac{5}{5}\$), washington = (\$\frac{10}{5}\$). Turkey = (\$\frac{3}{1}\$). Ankara = (\$\frac{9}{1}\$). Insists = (\$\frac{5}{5}\$), and Japane = (\$\frac{4}{3}\$). Using only the following vectors, Ankara is the capital of what country? Please consider the cosine similarity score in your calculations. Japane (husais Morocco Turkey Ornet vectors to decide. 7. Please select all that apply, PCA is used to reduce the dimension of your data; Ornete This is correct. make predictions; label data. 8. Please select all that apply, Which is correct about PCA? 7. You can think of an eigenvector as an uncorrelated feature for your data. Occreet That is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? Ornet This is correct. In make predictions; the columns of U to get the reconstruction of your data. One mean normalize, gets Σ the covariance matrix, perform SVD, then doe product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. One of the columns of U to get the reconstruction of your data. One of the columns of U to get the reconstruction of your data. One of the columns of U to get the reconstruction of your data. Occreet This is correct.	✓ Correct This is correct.	
(a) and Japane (b) Use of the following vectors, Arikara is the capital of what country? Please concider the cosine similarity score in your calculations. Japan (b) Assis Morocco Turkey Correct Yes, you should compute (USA-Washington) = Ankara and then compare that vector to the country vectors to decide. 7. Please select all that apply. PCA is used to reduce the dimension of your data; Correct This is correct. visualize word vectors; Correct This is correct. he dependence to think of an eigenvector as an uncorrelated feature for your data. Correct That is correct. the eigenvalues tell you the amount of information retained by each feature. Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In mean normalize, get ∑ the covariance matrix, perform SVD, then dop product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. Jet ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. Jet ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Jet ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data.	(5) (10) (2) (0)	
the cosine similarity score in your calculations. Japan Russia Morocco Turkey Correct tes, you should compute (USA - Washington) + Ankara and then compare that vector to the country vectors to decide. 7. Please select all that apply, PCA is used to reduce the dimension of your data; Correct This is correct. visualize word vectors; Correct This is correct. have predictions; blabel data. 8. Please select all that apply, Which is correct about PCA? Vou can think of an eigenvector as an uncorrelated feature for your data. Correct That is correct. It working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. It working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? It point mean normalize, get \(\Delta \) the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. mean normalize, perform SVD, get \(\Delta \) to covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Part Delta Correct This is correct.	We will define the following vectors, USA = $\begin{pmatrix} 3 \\ 6 \end{pmatrix}$, Washington = $\begin{pmatrix} 10 \\ 5 \end{pmatrix}$, Turkey = $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$, Ankara = $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$, Russia =	1/1 point
Nussia		
 Morocco Turkey Correct Yes, you should compute (USA - Washington) + Ankara and then compare that vector to the country vectors to decide. Items to reduce the dimension of your data; Correct This is correct. In which data apply. PCA is visualize word vectors; Correct This is correct. In the dida. Please select all that apply. Which is correct about PCA? Visualize word vectors; Correct This is correct. In the eigenvalues tell you the amount of information retained by each feature. Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? Ornect This is correct. In which order do you perform the following operations when computing PCA? Ornect This is correct. In which order do you perform the following operations when computing PCA? Ornect This is correct. In which order do you perform the following operations when computing PCA? Ornect This is correct. In which order do you perform SVD, get Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Mean normalize, perform SVD, get Σ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Get Σ the covariance matrix perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Ger Σ the covariance matrix and normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Ger Σ the covariance matrix and normalize and normalize. Correct This	O Japan	
 Turkey Correct Yes, you should compute (USA- Washington) + Ankara and then compare that vector to the country vectors to decide. 2. Please select all that apply. PCA is used to reduce the dimension of your data; Correct This is correct. Nisis correct. Nease select all that apply. Which is correct about PCA? You can think of an eigenvector as an uncorrelated feature for your data. Correct This is correct. The eigenvalues tell you the amount of information retained by each feature. Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? If working with features in the covariance matrix is critical when performing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations of your data. Dean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U so get the reconstruction of your data. Dean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U so get the reconstruction of your data. Dean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U so get the reconstruction of your data. Dean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U so get the reconstruction of your data. Dean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U so get the reconstruction of your data. Dean normalize, perform	Russia	
 ✓ Correct Yes, you should compute (USA-Washington) * Ankara and then compare that vector to the country vectors to decide. 7. Please select all that apply. PCA is used to reduce the dimension of your data; orrect This is correct. visualize word vectors; correct This is correct. make predictions; label data. 8. Please select all that apply. Which is correct about PCA? You can think of an eigenvector as an uncorrelated feature for your data. orrect That is correct. The eigenvalues tell you the amount of information retained by each feature. orrect This is correct. If working with features in different scales, you do not have to mean normalize. orrect This is correct. In which order do you perform the following operations when computing PCA? orrect This is correct. nean normalize, get Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. mean normalize, perform SVD, get Σ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. orrect orrect This is correct. orrect This is correct, with a subset of the columns of U to get the reconstruction of your data. orrect performs SVD, get Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. orrect This is correct. orrect This is correct. orrect This is correct. orrect This is correct. orrect This is correct This is correct. orrect This is correct. o		
Yes, you should compute (USA-Washington) + Ankara and then compare that vector to the country vectors to decide. 7. Please select all that apply. PCA is ② used to reduce the dimension of your data; ③ correct This is correct. ③ visualize word vectors; ④ correct This is correct. □ make predictions; □ label data. 8. Please select all that apply. Which is correct about PCA? ② You can think of an eigenvector as an uncorrelated feature for your data. ④ correct That is correct. ③ The eigenvalues tell you the amount of information retained by each feature. ⑤ correct This is correct. □ if working with features in different scales, you do not have to mean normalize. ② computing the covariance matrix is critical when performing PCA ② correct This is correct. 9. In which order do you perform the following operations when computing PCA? ② correct This is correct. 9. In which order do you perform SVD, etc. Decreositruction of your data. ○ mean normalize, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ correct This is correct.	Turkey	
used to reduce the dimension of your data; ○ Correct This is correct. □ visualize word vectors; ○ Correct This is correct. □ make predictions; □ label data. 8. Please select all that apply. Which is correct about PCA? □ You can think of an eigenvector as an uncorrelated feature for your data. ○ Correct That is correct. □ The eigenvalues tell you the amount of information retained by each feature. ○ Correct This is correct. □ If working with features in different scales, you do not have to mean normalize. □ Computing the covariance matrix is critical when performing PCA ○ Correct This is correct. □ In which order do you perform the following operations when computing PCA? □ In which order do you perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ Correct This is correct.	Yes, you should compute (USA - Washington) + Ankara and then compare that vector to the country	
used to reduce the dimension of your data; ○ Correct This is correct. □ visualize word vectors; ○ Correct This is correct. □ make predictions; □ label data. 8. Please select all that apply. Which is correct about PCA? □ You can think of an eigenvector as an uncorrelated feature for your data. ○ Correct That is correct. □ The eigenvalues tell you the amount of information retained by each feature. ○ Correct This is correct. □ If working with features in different scales, you do not have to mean normalize. □ Computing the covariance matrix is critical when performing PCA ○ Correct This is correct. □ In which order do you perform the following operations when computing PCA? □ In which order do you perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. □ Correct This is correct.		
 Correct This is correct. ✓ visualize word vectors; ✓ correct This is correct. make predictions; label data. 8. Please select all that apply. Which is correct about PCA? ✓ You can think of an eigenvector as an uncorrelated feature for your data. ✓ Correct That is correct. The eigenvalues tell you the amount of information retained by each feature. ✓ correct This is correct. If working with features in different scales, you do not have to mean normalize. ✓ computing the covariance matrix is critical when performing PCA ✓ correct This is correct. In which order do you perform the following operations when computing PCA? ✓ correct This is correct. In which order do you perform the following operations when computing PCA? ✓ correct This is correct. In which order do you perform the following operations when computing PCA? ✓ correct This is correct. If point is good to be a point of the columns of U to get the reconstruction of your data. ✓ get Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ✓ get Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ✓ correct This is correct. 	7. Please select all that apply. PCA is	1 / 1 point
This is correct. ✓ visualize word vectors; ✓ Correct This is correct. ☐ make predictions; ☐ label data. 8. Please select all that apply, Which is correct about PCA? ✓ You can think of an eigenvector as an uncorrelated feature for your data. ✓ Correct That is correct. ✓ The eigenvalues tell you the amount of information retained by each feature. ✓ Correct This is correct. ☐ If working with features in different scales, you do not have to mean normalize. ✓ Computing the covariance matrix is critical when performing PCA ✓ Correct This is correct. 9. In which order do you perform the following operations when computing PCA? 9. In which order do you get be reconstruction of your data. ☐ mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ correct This is correct.	✓ used to reduce the dimension of your data;	
 Correct This is correct. make predictions; label data. 8. Please select all that apply. Which is correct about PCA? ✓ You can think of an eigenvector as an uncorrelated feature for your data. ○ Correct That is correct. ✓ The eigenvalues tell you the amount of information retained by each feature. ○ Correct This is correct. If working with features in different scales, you do not have to mean normalize. ○ Computing the covariance matrix is critical when performing PCA ○ Correct This is correct. In which order do you perform the following operations when computing PCA? ✓ Correct This is correct. In which order do you perform the reconstruction of your data. ○ mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Gorect This is correct. 		
This is correct. make predictions; label data. 8. Please select all that apply. Which is correct about PCA? You can think of an eigenvector as an uncorrelated feature for your data. Correct That is correct. The eigenvalues tell you the amount of information retained by each feature. Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? Orrect This is correct. In which order do you perform the following operations when computing PCA? In which order do you perform SVD, get Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Oget Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Oget Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Oget Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Oget Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Oget Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Oget Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data.	✓ visualize word vectors;	
 Iabel data. 8. Please select all that apply. Which is correct about PCA? ✓ You can think of an eigenvector as an uncorrelated feature for your data. ✓ Correct		
 8. Please select all that apply. Which is correct about PCA? ✓ You can think of an eigenvector as an uncorrelated feature for your data. ○ Correct	make predictions;	
 ✓ Correct That is correct. ✓ Correct That is correct. ✓ Correct This is correct. If working with features in different scales, you do not have to mean normalize. ✓ Correct This is correct. If working with features in different scales, you do not have to mean normalize. ✓ Computing the covariance matrix is critical when performing PCA ✓ Correct This is correct. In which order do you perform the following operations when computing PCA? 1/1 point ● mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 	☐ label data.	
 ✓ Correct That is correct. ✓ Correct That is correct. ✓ Correct This is correct. If working with features in different scales, you do not have to mean normalize. ✓ Correct This is correct. If working with features in different scales, you do not have to mean normalize. ✓ Computing the covariance matrix is critical when performing PCA ✓ Correct This is correct. In which order do you perform the following operations when computing PCA? 1/1 point ● mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 		
 Correct That is correct. ✓ Correct This is correct. ☑ If working with features in different scales, you do not have to mean normalize. ☑ Computing the covariance matrix is critical when performing PCA ☑ Correct This is correct. In which order do you perform the following operations when computing PCA? ② Correct This is correct. In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform sVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In which order do you perform sVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. In which order do you perform the following operations when computing PCA? In which order do you perform sVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In which order do you perform sVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In which order do you perform struction of your data. In which order do you perform struction of your data. In which order do you perform struction of your data. In which order do you perform struction of your data. In which order do you perform struction of	8. Please select all that apply. Which is correct about PCA?	1/1 point
That is correct. ☑ The eigenvalues tell you the amount of information retained by each feature. ② Correct This is correct. ☐ If working with features in different scales, you do not have to mean normalize. ☑ Computing the covariance matrix is critical when performing PCA ② Correct This is correct. 9. In which order do you perform the following operations when computing PCA? 1/1 point ⑥ mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ② Correct This is correct.	You can think of an eigenvector as an uncorrelated feature for your data.	
 Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Correct This is correct. 		
 Correct This is correct. If working with features in different scales, you do not have to mean normalize. Computing the covariance matrix is critical when performing PCA Correct This is correct. In which order do you perform the following operations when computing PCA? mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Correct This is correct. 	✓ The eigenvalues tell you the amount of information retained by each feature.	
This is correct. ☐ If working with features in different scales, you do not have to mean normalize. ☑ Computing the covariance matrix is critical when performing PCA ☑ Correct This is correct. 9. In which order do you perform the following operations when computing PCA? ☑ mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ☐ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ☐ correct This is correct.		
 Computing the covariance matrix is critical when performing PCA ○ Correct This is correct. In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform the following operations when computing PCA? In which order do you perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In which order do you perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In which order do you perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In which order do you perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. In your data.<td></td><td></td>		
 ✓ Correct This is correct. 9. In which order do you perform the following operations when computing PCA? 1/1 point ● mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 	☐ If working with features in different scales, you do not have to mean normalize.	
 This is correct. 9. In which order do you perform the following operations when computing PCA? 1/1 point ● mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 	Computing the covariance matrix is critical when performing PCA	
 9. In which order do you perform the following operations when computing PCA? 1/1 point ● mean normalize, get Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get Σ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get Σ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 	⊘ Correct	
 ● mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 	This is correct.	
 ● mean normalize, get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct. 		
subset of the columns of U to get the reconstruction of your data. ○ mean normalize, perform SVD, get ∑ the covariance matrix, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ get ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. ○ get ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ Correct This is correct.	9. In which order do you perform the following operations when computing PCA?	1 / 1 point
subset of the columns of U to get the reconstruction of your data. Oget ∑ the covariance matrix, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data, mean normalize. Oget ∑ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. Ocorrect This is correct.		
 columns of U to get the reconstruction of your data, mean normalize. ○ get Σ the covariance matrix, mean normalize, perform SVD, then dot product the data, namely X, with a subset of the columns of U to get the reconstruction of your data. ○ correct This is correct. 		
subset of the columns of U to get the reconstruction of your data. Ocorrect This is correct.	columns of U to get the reconstruction of your data, mean normalize.	
This is correct.		
10. Vector space models allow us to 1/1 point	e e e e e e e e e e e e e e e e e e e	
10. Vector space models allow us to		
	10. Vector space models allow us to	1/1 point
✓ To represent words and documents as vectors.		-1-100000

Correct
This is correct

build useful applications including and not limited to, information extraction, machine translation, and chatbots.
 Correct
 This is correct.

 Correct
 This is correct.

build faster training algorithms