





Paraironam Charlesia Touric

	(Approved by AICTE New Delhi & Govt. of Maharashira, Affiliated to University of Mumbal) (Religious Jain Minority)
Rowon	iginal Data - RowZero Mean Data + Original Mean
	- X + [(.81 1.91)
	= 2.5 2.47
	0.5 0.7
	2.2 2.9
	3.1
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	in commence of many our interests to the same as as
	1.6
	1.1 .09.5 1.16. 2.10
0 0 .	——————————————————————————————————————
Case 2:	$X_1 = Z_2 \cdot W_2$ $= \begin{bmatrix} \cdot & 2797 \end{bmatrix}$
ase 2.	-1.77758
ase 2.	= [82797]
ase 2.	1= \(\cdot
ase 2.	-1.77758 -1.77758 -0.43805
ase 2.	1= \(\cdot
ase 2.	-0.4380S -1.22382
ase 2.	-1.77758 -0.43805 -1.22382 -0.56126 0.60870
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ase 2.	-1.77758 -0.43805 -1.22382 -0.56126 0.60870
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Row original Rata = Row zero Mean Rata + original mean = X, + [1.8] 1.91]

It is seen that if only the first eigenvector is considered, then the data can be reconstructed similar to the original dataset.

Assignment! Use PCA to arrive at the transformed matrix for given matrix A.

121 - 7 11 12

$$A^{T} = \begin{bmatrix} 2 & 1 & 0 & -1 \\ 4 & 3 & 1 & 0.5 \end{bmatrix}$$