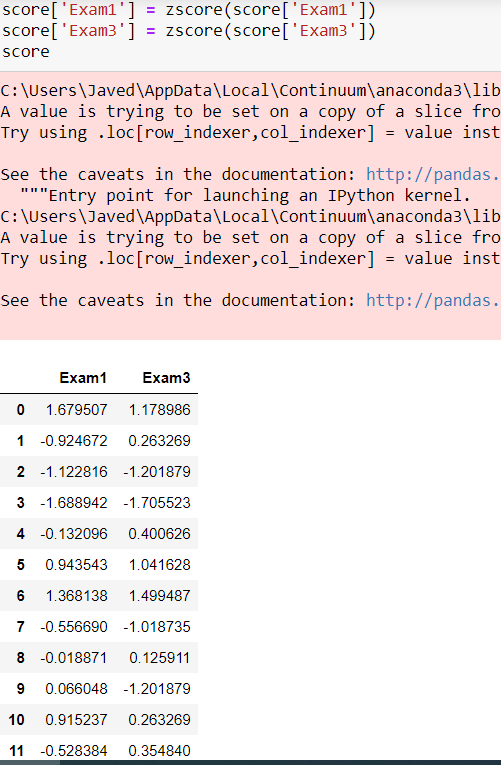
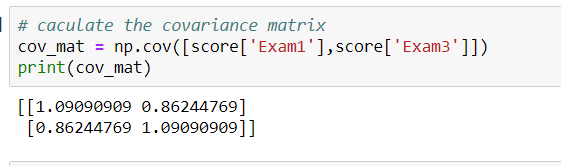
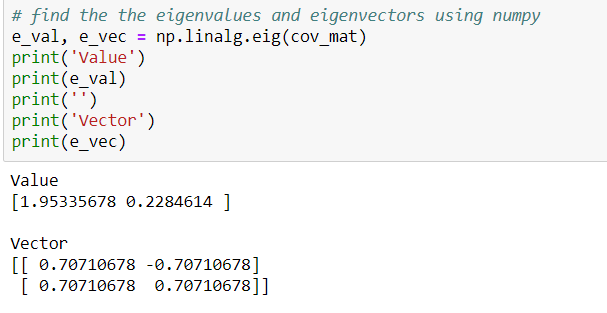
1. Normalize Data



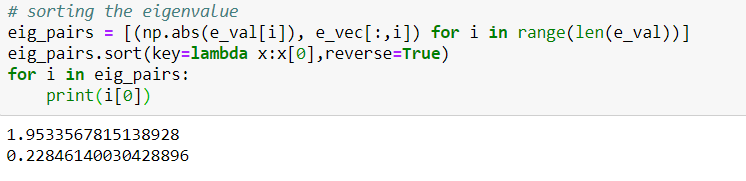
2. Covariance matrix



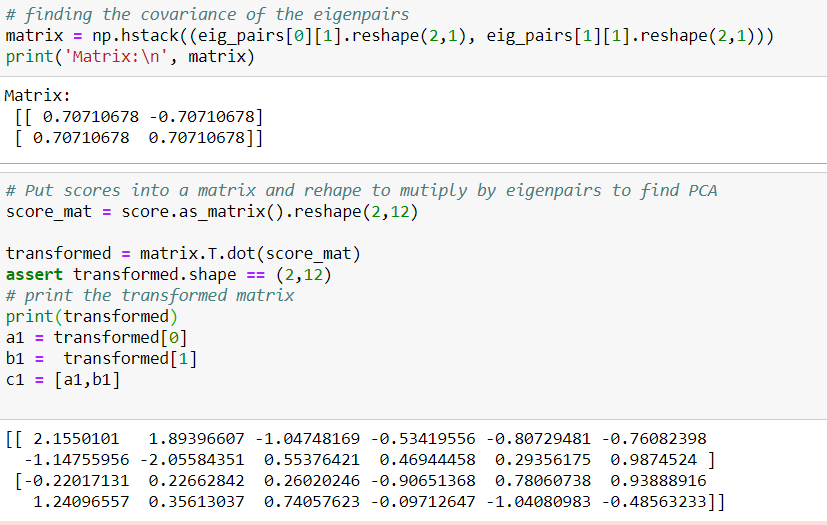
3. Eigenvalue and Eigenvector



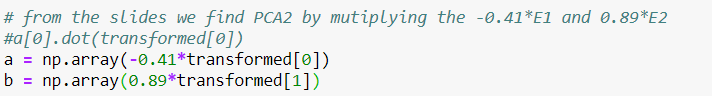
4. Sort Eigenvalues



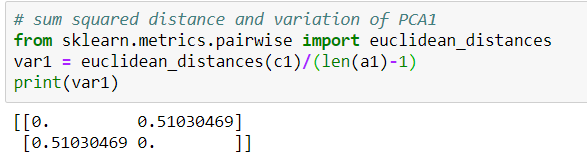
5. Eigenvector of PCA1

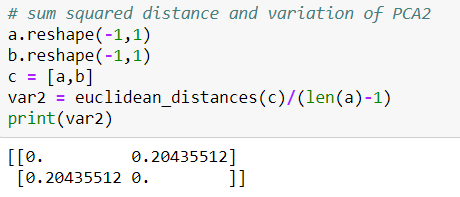


6.PCA2



7. Find the variation





8. Total Variation and screeplot

