

	[40]: # To calculate the accuracy of the PCA for question three from sklearn.metrics import accuracy_score list = [y_pred_d, y_pred_t, y_pred_e, y_pred_f, y_pred_g, y_pred_h, y_pred_j, y_pred_k] AccPCA = [] for i in list:				
AccPCA.append(accuracy_score(y_test,i)) [45]: np.mean(AccPCA) [t[45]: 0.7705512572533849 [42]: nb1 = GaussianNB() nb1.fit(X_LDA, y) y_pre = nb1.predict(X_LDA) approxacurracy = accuracy_score(y,y_pre) np.round(approxacurracy*100,2)	AccPCA.append(accuracy_score(y_test,i)) [45]: np.mean(AccPCA) [45]: 0.7705512572533849 [42]: nb1 = GaussianNB() nb1.fit(X_LDA, y) y_pre = nb1.predict(X_LDA) approxacurracy = accuracy_score(y,y_pre) np.round(approxacurracy*100,2)	-2 -4 -6 -10.0 # To cal from skl list = [AccPCA =	-7.5 -5.0 -2.5 0.0 2.5 5.0 7.5 First LDA Component culate the accuracy of the PCA for question three earn.metrics import accuracy_score y_pred_d, y_pred_t, y_pred_e, y_pred_f, y_pred_g, y_pred_h, y_pred_j, y_pred_k] []		
		AccP [45]: np.mean(t[45]: 0.770551 [42]: nb1 = Ga nb1.fit(y_pre = approxac np.round	CA.append(accuracy_score(y_test,i)) AccPCA) 2572533849 ussianNB() X_LDA, y) nb1.predict(X_LDA) urracy = accuracy_score(y,y_pre)		