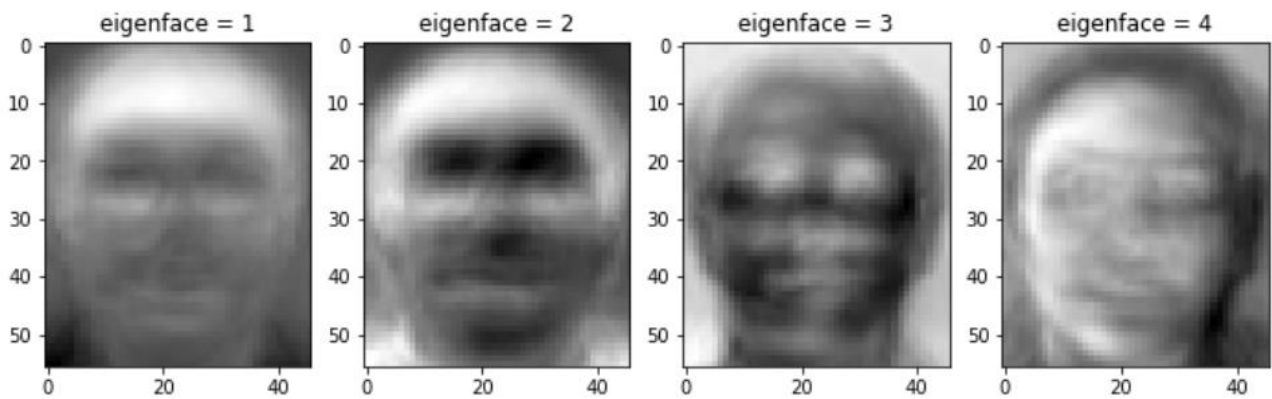
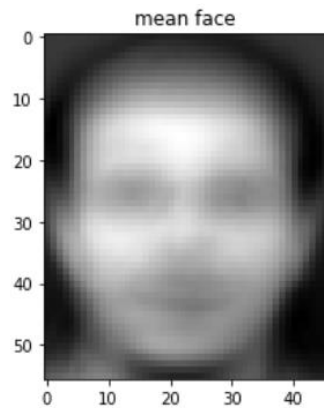


HW0

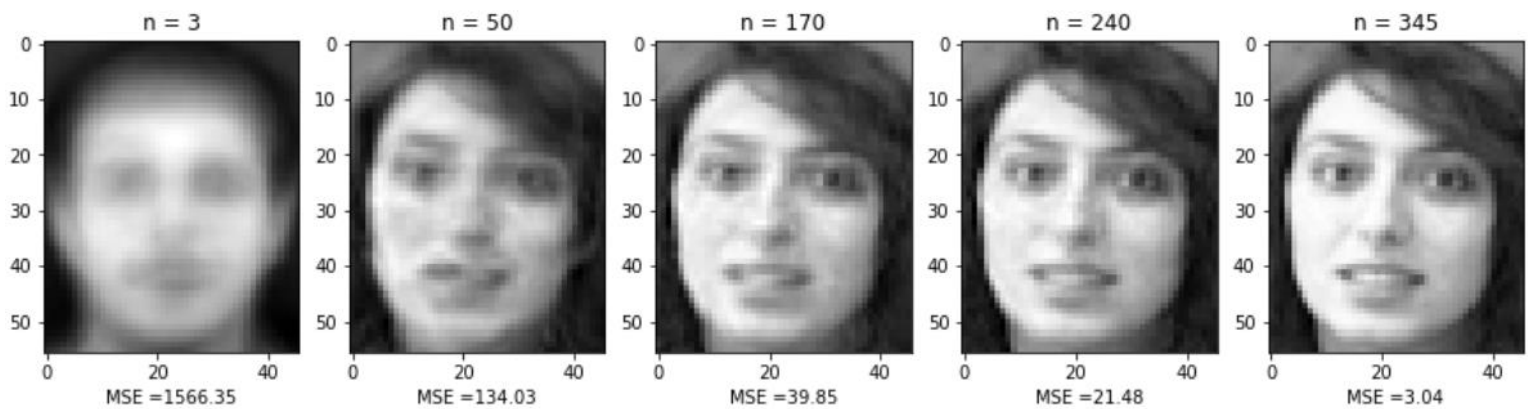
R10522606 機械碩一 曾柏翔

Problem 1

1.



2、3.



4.

k = 1, n = 3 , result = 0.650

k = 3, n = 3 , result = 0.611

k = 5, n = 3 , result = 0.561

k = 1, n = 50 , result = 0.961

k = 3, n = 50 , result = 0.900

k = 5, n = 50 , result = 0.847

k = 1, n = 170 , result = 0.959

k = 3, n = 170 , result = 0.889

k = 5, n = 170 , result = 0.822

5.

將 knn.predict 得到的結果與原本的資料比對，透過 accuracy_score 計算出，
Accuracy (recognition rate) : 0.925.