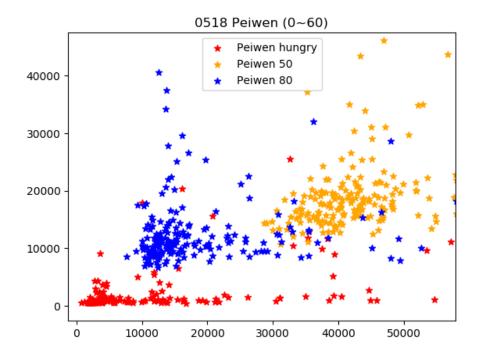
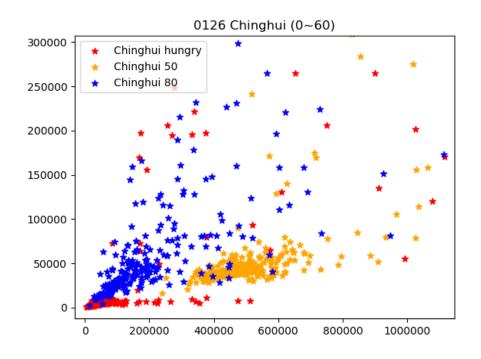
個體差異

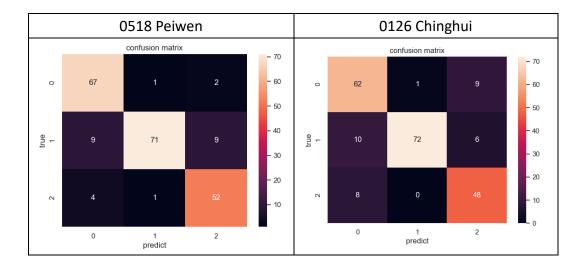
拿 0~60 秒當作 training data,Label 整段音檔,每 0.25 切一格,特徵為 STFT 九維頻率段,可視化圖(X 軸為 344~689,Y 軸為 1033~1378)。 PS.不是 fisher score 最高的兩維



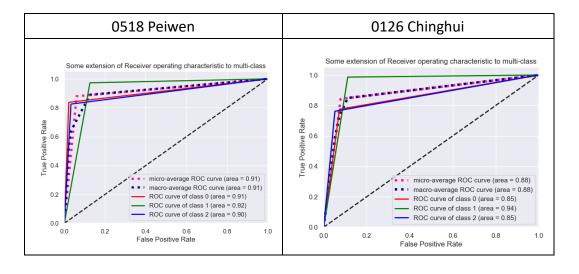


Train Model Use K Nearest Neighbors Classifier with n_neighbors = 8

1. Confusion Matrix



2. ROC Curve



3. Accuracy

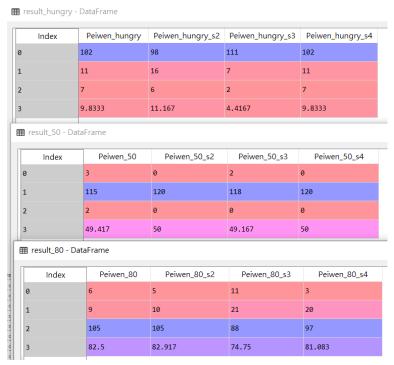
	0518 Peiwen	0126 Chinghui
5-fold Cross Validation	0.87	0.84
Precision	0.89	0.86
Recall	0.88	0.84
F1-score	0.88	0.85
Support	216	216

Demo Result

- ✓ 0: Hungry
- √ 1: 50 Percent Full
- ✓ 2: 80 Percent Full
- √ 3: Percentage of fullness ()

Ps. weight=(Hungry*(-4)+ 50 Percent Full *1+80 Percent Full *5)/ Hungry +50 Percent Full + 80 Percent Full)/10*100+40

1. Peiwen



2. Chinghui

