# DSP2018FALL HW2-1

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### **Environment**

CSIE workstation linux11(gcc 8.2)

#### How to execute

bash 00\_clean\_all.sh bash 01\_run\_HCopy.sh bash 02\_run\_HCompV.sh bash 03\_training.sh bash 04\_testing.sh cat result/accuracy

## **Run Baseline**

Accuracy = 74.34%

# **Improve Accuracy**

Accuracy= 97.07%

#### **Parameter**

# of states = 12

# of Gaussian mixtures

每一個都+8 Gaussian mixture 包括 state2~ state11

```
MU +8 {liN.state[2-11].mix}

MU +8 {#i.state[2-11].mix}

MU +8 {#er.state[2-11].mix}

MU +8 {san.state[2-11].mix}

MU +8 {sy.state[2-11].mix}

MU +8 {#u.state[2-11].mix}

MU +8 {liou.state[2-11].mix}

MU +8 {qi.state[2-11].mix}

MU +8 {ba.state[2-11].mix}

MU +8 {jiou.state[2-11].mix}

MU +8 {sil.state[2-11].mix}
```

# of iterations

6 iterations on step 01 [HERest]

6 iterations on step 03 [HERest]

13 iterations on step 05 [HERest]