

Result

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===== HTK Results Analysis =====  
Date: Fri Nov 23 20:28:11 2018  
Ref : labels/answer.mlf  
Rec : result/result.mlf  
----- Overall Results -----  
SENT: %Correct=93.12 [H=447, S=33, N=480]  
WORD: %Corr=97.81, Acc=97.76 [H=1700, D=29, S=9, I=1, N=1738]  
=====
```

- Accuracy : 97.76%

File Adjustment

- **03_training.sh : iteration number -> 7**
Increase the number of iterations will increase accuracy.
And the accuracy will converge.
- **mix2_10.hed : Gaussian mixture number -> 25**
Increase the number of Gaussian will increase accuracy,
because the it's closer to the real distribution.
- **proto : state number -> 15**
Increase the number of state will increase accuracy, because
there are more states to handle the real phoneme.

Comparison

- Iteration number adjustment
(Other parameters are the same as the final results)

Iterations number	Accuracy
4	96.96%
5	97.47%
6	97.47%
7	97.76%
8	97.76%

9	97.76%
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- Gaussian number adjustment
(Other parameters are the same as the final results)

Gaussian number	Accuracy
2	96.61%
5	97.47%
10	97.76%
20	97.58%
25	97.76%
30	97.35%

- State number adjustment
(Other parameters are the same as the final results)
(Somehow, it's weird that the accuracy is always the same if other parameters are adjusted to the optimal. If other parameters are set as the original values, the accuracy will increase with the increasing of state number.)

State number	Accuracy
5	97.76%
10	97.76%
15	97.76%
25	97.76%