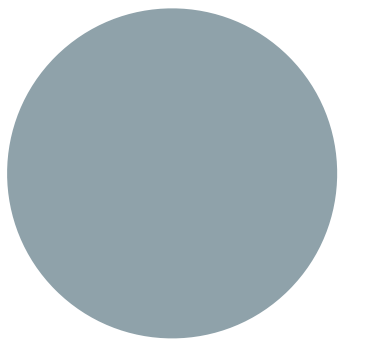


S D M L

HW 3-2

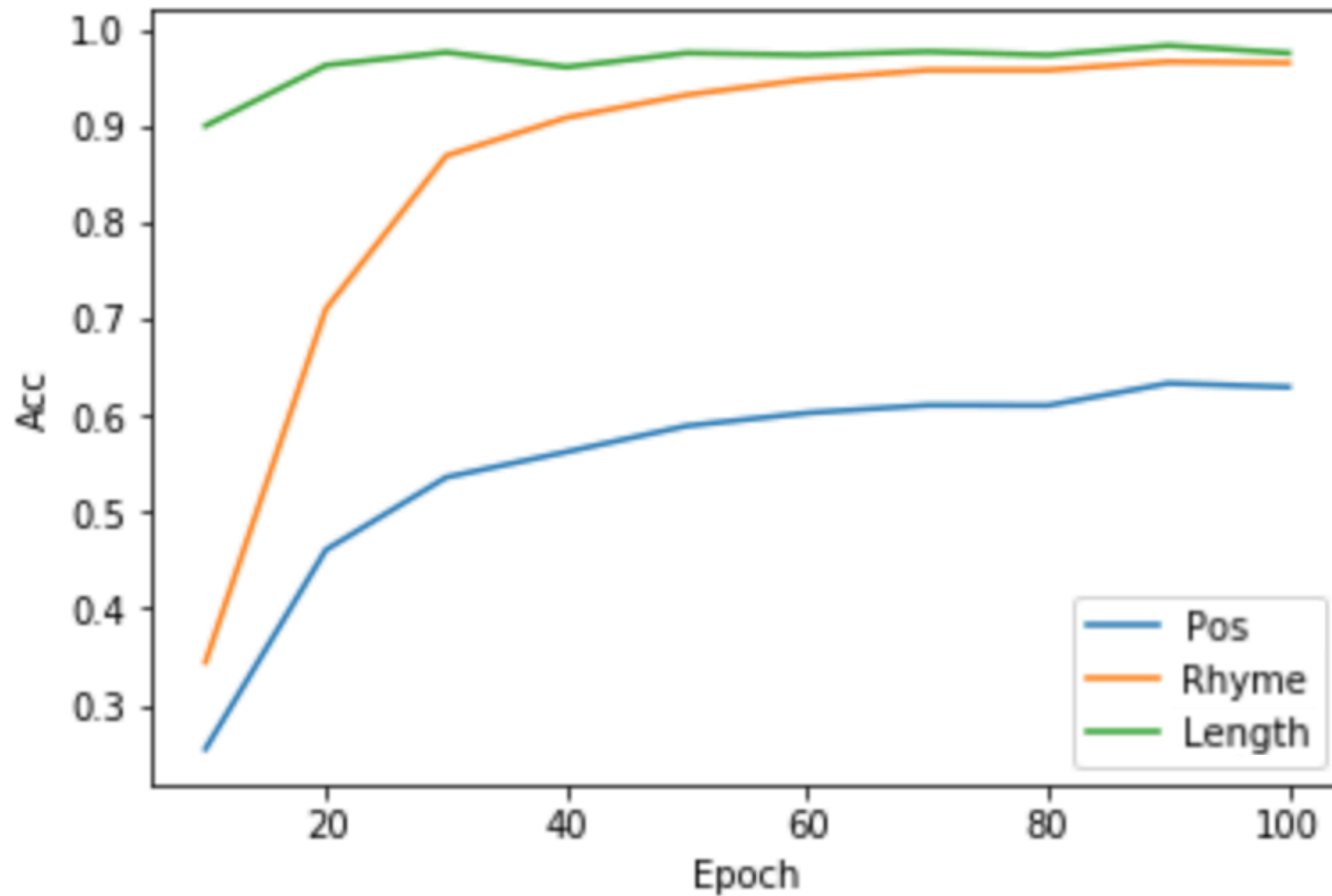
施博瀚 張睿宇

Model



```
VanillaEncoder(  
    (embedding): Embedding(91626, 256)  
    (gru): GRU(256, 256)  
)  
VanillaDecoder(  
    (embedding): Embedding(91626, 256)  
    (gru): GRU(256, 256)  
    (out): Linear(in_features=256, out_features=91626, bias=True)  
    (log_softmax): LogSoftmax()  
)
```

Improvement with the learning epoch



Remove “NOP” “NOR” “NOE”

Original

Accuracy: (Epoch 20)

POS: 0.4608428571428571

Rhyme: 0.7106714285714286

Length: 0.9634714285714285

Remove NOP NOR NOE

Accuracy: (Epoch 20)

POS: 0.4442142857142857

Rhyme: 0.7696285714285714

Length: 0.9239857142857143

Move NOR

Original

Accuracy: (Epoch 20)

POS: 0.4608428571428571

Rhyme: 0.7106714285714286

Length: 0.9634714285714285

Move NOR

Accuracy: (Epoch 20)

POS: 0.43561428571428573

Rhyme: 0.7191285714285715

Length: 0.9388285714285715

Move half of NOR

Original

Accuracy: (Epoch 20)

POS: 0.4608428571428571

Rhyme: 0.7106714285714286

Length: 0.9634714285714285

Move NOR

Accuracy: (Epoch 20)

POS: 0.3971

Rhyme: 0.3426714285714286

Length: 0.8786285714285714

Flip POS order

Original

Accuracy: (Epoch 20)

POS: 0.4608428571428571

Rhyme: 0.7106714285714286

Length: 0.9634714285714285

Shuffle POS order

Accuracy: (Epoch 20)

POS: 0.4348142857142857

Rhyme: 0.7143714285714285

Length: 0.9269428571428572

Shuffle POS order

Original
Accuracy: (Epoch 20)

POS: 0.4608428571428571

Rhyme: 0.7106714285714286

Length: 0.9634714285714285

Shuffle POS order
Accuracy: (Epoch 20)

POS: 0.06951428571428575

Rhyme: 0.8271999999999999

Length: 0.9624285714285714