

```
Xypping [x_xlian@node014 ProMOSNet]$ python train.py  
Loading all wav files.  
100%[██████████████████████████████████████████████████████████████████████████████] 54040/54040 [07:52<00:00, 114.29it/s]  
/pro/j/horse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame
```

```
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy  
self.scores['JUDGE'][i] = self.idtable[judge_i]  
Loading all wav files.  
100%[██████████████████████████████████████████████████████████████████████████████] 3000/3000 [01:44<00:00, 28.76it/s]  
/pro/j/horse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame
```

```
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy  
self.scores['JUDGE'][i] = self.idtable[judge_i]  
Loading all wav files.  
100%[██████████████████████████████████████████████████████████████████████████████] 4000/4000 [02:20<00:00, 28.47it/s]  
/pro/j/horse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame
```

```
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy  
self.scores['JUDGE'][i] = self.idtable[judge_i]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.9294677734375  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.34 step/s]
```

```
[Valid(teacher)][0][UTT] MSE = 1.9874 | LCC = 0.4910 | SRCC = 0.4606 | [SYS] MSE = 1.7807 | LCC = 0.8447 | SRCC = 0.8311 ]  
[Valid(teacher)][0][UTL] GML = 0.118623 | AML = 0.210173 | MoV = 0.725886 | VoV = 0.015877 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.008496 | VoV = 0.000056 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.4096575677394867  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.99 step/s]
```

```
[Valid(teacher)][1][UTT] MSE = 1.8810 | LCC = 0.5680 | SRCC = 0.5278 | [SYS] MSE = 1.5587 | LCC = 0.9071 | SRCC = 0.8345 ]  
[Valid(teacher)][1][UTL] GML = 0.051116 | AML = 0.201474 | MoV = 0.417665 | VoV = 0.011951 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.005119 | VoV = 0.000028 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.3515346050262451  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.99 step/s]
```

```
[Valid(teacher)][2][UTT] MSE = 2.1729 | LCC = 0.5794 | SRCC = 0.5365 | [SYS] MSE = 1.8265 | LCC = 0.9330 | SRCC = 0.8612 ]  
[Valid(teacher)][2][UTL] GML = 0.024325 | AML = 0.167982 | MoV = 0.361044 | VoV = 0.008455 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004402 | VoV = 0.000019 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.3279217183589353  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.53 step/s]
```

```
[Valid(teacher)][3][UTT] MSE = 1.0337 | LCC = 0.6104 | SRCC = 0.5630 | [SYS] MSE = 0.6117 | LCC = 0.9484 | SRCC = 0.8694 ]  
[Valid(teacher)][3][UTL] GML = 0.166877 | AML = 0.309412 | MoV = 0.433424 | VoV = 0.007124 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.005046 | VoV = 0.000018 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.3055897057056427  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.91 step/s]
```

```
[Valid(teacher)][4][UTT] MSE = 0.5070 | LCC = 0.6297 | SRCC = 0.5821 | [SYS] MSE = 0.0669 | LCC = 0.9511 | SRCC = 0.8879 ]  
[Valid(teacher)][4][UTL] GML = 0.337261 | AML = 0.402691 | MoV = 0.476840 | VoV = 0.003512 | [SYS] GML = 0.004175 | AML = 0.679120 | MoV = 0.005376 | VoV = 0.000014 ]  
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]  
Average loss=0.2907578945159912  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.97 step/s]
```

```
[Valid(teacher)][5][UTT] MSE = 0.5400 | LCC = 0.6326 | SRCC = 0.5852 | [SYS] MSE = 0.1053 | LCC = 0.9562 | SRCC = 0.9009 ]  
[Valid(teacher)][5][UTL] GML = 0.323835 | AML = 0.398630 | MoV = 0.462780 | VoV = 0.003958 | [SYS] GML = 0.000044 | AML = 0.567191 | MoV = 0.005214 | VoV = 0.000014 ]  
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]  
Average loss=0.276159882545712  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.80 step/s]
```

```
[Valid(teacher)][6][UTT] MSE = 0.6420 | LCC = 0.6322 | SRCC = 0.5869 | [SYS] MSE = 0.2121 | LCC = 0.9614 | SRCC = 0.8981 ]  
[Valid(teacher)][6][UTL] GML = 0.283057 | AML = 0.382568 | MoV = 0.439389 | VoV = 0.004398 | [SYS] GML = 0.000000 | AML = 0.468767 | MoV = 0.004972 | VoV = 0.000013 ]  
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]  
Average loss=0.2628082836972046  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.70 step/s]
```

```
[Valid(teacher)][7][UTT] MSE = 0.6840 | LCC = 0.6324 | SRCC = 0.5895 | [SYS] MSE = 0.2586 | LCC = 0.9646 | SRCC = 0.9056 ]  
[Valid(teacher)][7][UTL] GML = 0.269043 | AML = 0.375691 | MoV = 0.432227 | VoV = 0.004271 | [SYS] GML = 0.000000 | AML = 0.006446 | MoV = 0.004884 | VoV = 0.000013 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.24714595079421997  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.03 step/s]
```

```
[Valid(teacher)][8][UTT] MSE = 0.7327 | LCC = 0.6300 | SRCC = 0.5897 | [SYS] MSE = 0.3087 | LCC = 0.9670 | SRCC = 0.9221 ]  
[Valid(teacher)][8][UTL] GML = 0.251506 | AML = 0.368960 | MoV = 0.419129 | VoV = 0.004051 | [SYS] GML = 0.000000 | AML = 0.002350 | MoV = 0.004741 | VoV = 0.000012 ]  
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]  
Average loss=0.2334890663238098  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.94 step/s]
```

```
[Valid(teacher)][9][UTT] MSE = 0.7994 | LCC = 0.6302 | SRCC = 0.5927 | [SYS] MSE = 0.3826 | LCC = 0.9695 | SRCC = 0.9303 ]  
[Valid(teacher)][9][UTL] GML = 0.228774 | AML = 0.358080 | MoV = 0.406292 | VoV = 0.003931 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004620 | VoV = 0.000012 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=0.22147469222545624  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.82 step/s]
```

```
[Valid(teacher)][10][UTT] MSE = 0.8172 | LCC = 0.6305 | SRCC = 0.5936 | [SYS] MSE = 0.4120 | LCC = 0.9710 | SRCC = 0.9323 ]  
[Valid(teacher)][10][UTL] GML = 0.222244 | AML = 0.355196 | MoV = 0.399675 | VoV = 0.003914 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004563 | VoV = 0.000012 ]  
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]  
Average loss=0.211998569851303  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.05 step/s]
```

```
[Valid(teacher)][11][UTT] MSE = 0.8282 | LCC = 0.6326 | SRCC = 0.
```

Average loss=0.123830646276474
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.20 step/s]

[Valid(teacher)][20][UTT][MSE = 1.0763 | LCC = 0.6153 | SRCC = 0.5966 | [SYS][MSE = 0.6532 | LCC = 0.9766 | SRCC = 0.9426]
[Valid(teacher)][20][UTT][GML = 0.126285 | AML = 0.319400 | MoV = 0.319156 | VoV = 0.002638 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003678 | VoV = 0.000008]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=0.11814199388027191
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.69 step/s]

[Valid(teacher)][21][UTT][MSE = 1.0975 | LCC = 0.6163 | SRCC = 0.5970 | [SYS][MSE = 0.6824 | LCC = 0.9758 | SRCC = 0.9344]
[Valid(teacher)][21][UTT][GML = 0.120268 | AML = 0.315171 | MoV = 0.315696 | VoV = 0.002612 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003650 | VoV = 0.000008]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.10375542938709259
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.61 step/s]

[Valid(teacher)][22][UTT][MSE = 1.0449 | LCC = 0.6183 | SRCC = 0.6001 | [SYS][MSE = 0.6197 | LCC = 0.9761 | SRCC = 0.9371]
[Valid(teacher)][22][UTT][GML = 0.127666 | AML = 0.325039 | MoV = 0.310272 | VoV = 0.002605 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003578 | VoV = 0.000008]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.09594181180000305
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.99 step/s]

[Valid(teacher)][23][UTT][MSE = 1.0455 | LCC = 0.6185 | SRCC = 0.6018 | [SYS][MSE = 0.6168 | LCC = 0.9769 | SRCC = 0.9419]
[Valid(teacher)][23][UTT][GML = 0.125303 | AML = 0.325340 | MoV = 0.305809 | VoV = 0.002576 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003526 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.13 step/s]
Average loss=0.08479876071214676
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.07 step/s]

[Valid(teacher)][24][UTT][MSE = 1.0898 | LCC = 0.6185 | SRCC = 0.6003 | [SYS][MSE = 0.6661 | LCC = 0.9772 | SRCC = 0.9426]
[Valid(teacher)][24][UTT][GML = 0.112705 | AML = 0.317384 | MoV = 0.299727 | VoV = 0.002692 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003472 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.07430264353752136
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.09 step/s]

[Valid(teacher)][25][UTT][MSE = 0.9532 | LCC = 0.6259 | SRCC = 0.6034 | [SYS][MSE = 0.5139 | LCC = 0.9799 | SRCC = 0.9487]
[Valid(teacher)][25][UTT][GML = 0.143514 | AML = 0.342030 | MoV = 0.303074 | VoV = 0.002638 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003474 | VoV = 0.000007]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.06123533472418785
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.10 step/s]

[Valid(teacher)][26][UTT][MSE = 0.9216 | LCC = 0.6302 | SRCC = 0.6062 | [SYS][MSE = 0.4827 | LCC = 0.9810 | SRCC = 0.9487]
[Valid(teacher)][26][UTT][GML = 0.148771 | AML = 0.348431 | MoV = 0.299490 | VoV = 0.002759 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003428 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.048797301948070526
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.69 step/s]

[Valid(teacher)][27][UTT][MSE = 0.9339 | LCC = 0.6320 | SRCC = 0.6080 | [SYS][MSE = 0.4980 | LCC = 0.9807 | SRCC = 0.9480]
[Valid(teacher)][27][UTT][GML = 0.142423 | AML = 0.346180 | MoV = 0.294425 | VoV = 0.002830 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003371 | VoV = 0.000006]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.035382527858018875
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.62 step/s]

[Valid(teacher)][28][UTT][MSE = 0.8935 | LCC = 0.6364 | SRCC = 0.6115 | [SYS][MSE = 0.4621 | LCC = 0.9817 | SRCC = 0.9467]
[Valid(teacher)][28][UTT][GML = 0.152323 | AML = 0.353955 | MoV = 0.293386 | VoV = 0.002802 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003350 | VoV = 0.000006]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=0.02893124148249626
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.65 step/s]

[Valid(teacher)][29][UTT][MSE = 0.8380 | LCC = 0.6384 | SRCC = 0.6131 | [SYS][MSE = 0.4041 | LCC = 0.9813 | SRCC = 0.9467]
[Valid(teacher)][29][UTT][GML = 0.166180 | AML = 0.366414 | MoV = 0.290695 | VoV = 0.002712 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003316 | VoV = 0.000006]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.02028666629367256
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.36 step/s]

[Valid(teacher)][30][UTT][MSE = 0.8696 | LCC = 0.6326 | SRCC = 0.6086 | [SYS][MSE = 0.4332 | LCC = 0.9806 | SRCC = 0.9460]
[Valid(teacher)][30][UTT][GML = 0.151820 | AML = 0.361010 | MoV = 0.282939 | VoV = 0.002743 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003242 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.014152373187243938
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.18 step/s]

[Valid(teacher)][31][UTT][MSE = 0.8623 | LCC = 0.6325 | SRCC = 0.6071 | [SYS][MSE = 0.4221 | LCC = 0.9814 | SRCC = 0.9398]
[Valid(teacher)][31][UTT][GML = 0.151136 | AML = 0.362922 | MoV = 0.279734 | VoV = 0.002792 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003200 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.006799309980124235
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.06 step/s]

[Valid(teacher)][32][UTT][MSE = 0.7692 | LCC = 0.6346 | SRCC = 0.6079 | [SYS][MSE = 0.3222 | LCC = 0.9831 | SRCC = 0.9515]
[Valid(teacher)][32][UTT][GML = 0.181471 | AML = 0.383775 | MoV = 0.281609 | VoV = 0.002659 | [SYS][GML = 0.000000 | AML = 0.000005 | MoV = 0.003192 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.0026985856238752604
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.27 step/s]

[Valid(teacher)][33][UTT][MSE = 0.7534 | LCC = 0.6346 | SRCC = 0.6076 | [SYS][MSE = 0.3064 | LCC = 0.9836 | SRCC = 0.9467]
[Valid(teacher)][33][UTT][GML = 0.185240 | AML = 0.387952 | MoV = 0.279996 | VoV = 0.002746 | [SYS][GML = 0.000000 | AML = 0.000003 | MoV = 0.003179 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.005503833759576082
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.62 step/s]

[Valid(teacher)][34][UTT][MSE = 0.7887 | LCC = 0.6311 | SRCC = 0.6045 | [SYS][MSE = 0.3417 | LCC = 0.9829 | SRCC = 0.9446]
[Valid(teacher)][34][UTT][GML = 0.170947 | AML = 0.380480 | MoV = 0.276491 | VoV = 0.002766 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003152 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.014522921293973923
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.07 step/s]

[Valid(teacher)][35][UTT][MSE = 0.7347 | LCC = 0.6378 | SRCC = 0.6085 | [SYS][MSE = 0.2934 | LCC = 0.9852 | SRCC = 0.9521]
[Valid(teacher)][35][UTT][GML = 0.191633 | AML = 0.392970 | MoV = 0.279274 | VoV = 0.002732 | [SYS][GML = 0.000000 | AML = 0.000001 | MoV = 0.003166 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.01963142305612564
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.20 step/s]

[Valid(teacher)][36][UTT][MSE = 0.7431 | LCC = 0.6302 | SRCC = 0.6087 | [SYS][MSE = 0.3021 | LCC = 0.9849 | SRCC = 0.9515]
[Valid(teacher)][36][UTT][GML = 0.186240 | AML = 0.392037 | MoV = 0.275925 | VoV = 0.002747 | [SYS][GML = 0.000000 | AML = 0.000001 | MoV = 0.003131 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.028475262224674225
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.43 step/s]

[Valid(teacher)][37][UTT][MSE = 0.7040 | LCC = 0.6412 | SRCC = 0.6111 | [SYS][MSE = 0.2627 | LCC = 0.9860 | SRCC = 0.9508]
[Valid(teacher)][37][UTT][GML = 0.198457 | AML = 0.402626 | MoV = 0.272937 | VoV = 0.002677 | [SYS][GML = 0.000000 | AML = 0.000006 | MoV = 0.003089 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.032522354274988174
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.31 step/s]

[Valid(teacher)][38][UTT][MSE = 0.6949 | LCC = 0.6429 | SRCC = 0.6128 | [SYS][MSE = 0.2549 | LCC = 0.9868 | SRCC = 0.9576]
[Valid(teacher)][38][UTT][GML = 0.200758 | AML = 0.404882 | MoV = 0.278727 | VoV = 0.002620 | [SYS][GML = 0.000000 | AML = 0.000005 | MoV = 0.003066 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.03689330443739891
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.61 step/s]

[Valid(teacher)][39][UTT][MSE = 0.6809 | LCC = 0.6441 | SRCC = 0.6138 | [SYS][MSE = 0.2419 | LCC = 0.9870 | SRCC = 0.9583]
[Valid(teacher)][39][UTT][GML = 0.204493 | AML = 0.408677 | MoV = 0.268957 | VoV = 0.002598 | [SYS][GML = 0.000000 | AML = 0.000014 | MoV = 0.003043 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.05304256081581116
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.44 step/s]

[Valid(teacher)][40][UTT][MSE = 0.6363 | LCC = 0.6469 | SRCC = 0.6152 | [SYS][MSE = 0.1969 | LCC = 0.9878 | SRCC = 0.9562]
[Valid(teacher)][40][UTT][GML = 0.223063 | AML = 0.420794 | MoV = 0.267136 | VoV = 0.002434 | [SYS][GML = 0.000000 | AML = 0.000167 | MoV = 0.003005 | VoV = 0.000004]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.040699410796165466
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.60 step/s]

[Valid(teacher)][41][UTT][MSE = 0.6386 | LCC = 0.6448 | SRCC = 0.6128 | [SYS][MSE = 0.1978 | LCC = 0.9878 | SRCC = 0.9597]
[Valid(teacher)][41][UTT][GML = 0.222030 | AML = 0.420125 | MoV = 0.266636 | VoV = 0.002388 | [SYS][GML = 0.000000 | AML = 0.000051 | MoV = 0.003000 | VoV = 0.000004]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.06269337981939316
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.92 step/s]

[Valid(teacher)][42][UTT][MSE = 0.6558 | LCC = 0.6430 | SRCC = 0.6117 | [SYS][MSE = 0.2150 | LCC = 0.9879 | SRCC = 0.9562]
[Valid(teacher)][42][UTT][GML = 0.211549 | AML = 0.415982 | MoV = 0.262740 | VoV = 0.002412 | [SYS][GML = 0.000000 | AML = 0.000013 | MoV = 0.002962 | VoV = 0.000004]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.06899808347225189
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.28 step/s]

[Valid(teacher)][43][UTT][MSE = 0.6266 | LCC = 0.6441 | SRCC = 0.6120 | [SYS][MSE = 0.1858 | LCC = 0.9879 | SRCC = 0.9562]
[Valid(teacher)][43][UTT][GML = 0.225071 | AML = 0.424041 | MoV = 0.262565 | VoV = 0.002318 | [SYS][GML = 0.000000 | AML = 0.000140 | MoV = 0.002954 | VoV = 0.000004]

```
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.07557693868875504
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.85 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.6144 | LCC = 0.6447 | SRCC = 0.6128 | [SYS][ MSE = 0.1743 | LCC = 0.9881 | SRCC = 0.9569 |
[Valid(teacher)][44][UTT][ GML = 0.230968 | AML = 0.427207 | MoV = 0.262594 | VoV = 0.002223 | [SYS][ GML = 0.000000 | AML = 0.000249 | MoV = 0.002953 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.0810898393925629
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.72 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.6154 | LCC = 0.6439 | SRCC = 0.6127 | [SYS][ MSE = 0.1764 | LCC = 0.9884 | SRCC = 0.9590 |
[Valid(teacher)][45][UTT][ GML = 0.229229 | AML = 0.427565 | MoV = 0.259443 | VoV = 0.002060 | [SYS][ GML = 0.000000 | AML = 0.000084 | MoV = 0.002920 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.08171573281288147
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.58 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.6250 | LCC = 0.6440 | SRCC = 0.6132 | [SYS][ MSE = 0.1872 | LCC = 0.9882 | SRCC = 0.9569 |
[Valid(teacher)][46][UTT][ GML = 0.222624 | AML = 0.425878 | MoV = 0.256613 | VoV = 0.002106 | [SYS][ GML = 0.000000 | AML = 0.000033 | MoV = 0.002894 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.08682914823293686
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.87 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5874 | LCC = 0.6456 | SRCC = 0.6141 | [SYS][ MSE = 0.1496 | LCC = 0.9883 | SRCC = 0.9515 |
[Valid(teacher)][47][UTT][ GML = 0.243564 | AML = 0.435811 | MoV = 0.258309 | VoV = 0.001900 | [SYS][ GML = 0.000000 | AML = 0.000393 | MoV = 0.002892 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.09816169738769531
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.13 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5813 | LCC = 0.6445 | SRCC = 0.6122 | [SYS][ MSE = 0.1437 | LCC = 0.9880 | SRCC = 0.9569 |
[Valid(teacher)][48][UTT][ GML = 0.245214 | AML = 0.438217 | MoV = 0.255470 | VoV = 0.001819 | [SYS][ GML = 0.000000 | AML = 0.000409 | MoV = 0.002857 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.10387439280748367
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.99 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.6109 | LCC = 0.6444 | SRCC = 0.6128 | [SYS][ MSE = 0.1754 | LCC = 0.9887 | SRCC = 0.9597 |
[Valid(teacher)][49][UTT][ GML = 0.227221 | AML = 0.430405 | MoV = 0.251686 | VoV = 0.001916 | [SYS][ GML = 0.000000 | AML = 0.000020 | MoV = 0.002829 | VoV = 0.000004 |
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.10206659138202667
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.17 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5749 | LCC = 0.6447 | SRCC = 0.6139 | [SYS][ MSE = 0.1393 | LCC = 0.9887 | SRCC = 0.9603 |
[Valid(teacher)][50][UTT][ GML = 0.244098 | AML = 0.440700 | MoV = 0.250188 | VoV = 0.001852 | [SYS][ GML = 0.000000 | AML = 0.000610 | MoV = 0.002807 | VoV = 0.000004 |
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.11007682234048843
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.86 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5863 | LCC = 0.6457 | SRCC = 0.6136 | [SYS][ MSE = 0.1533 | LCC = 0.9892 | SRCC = 0.9576 |
[Valid(teacher)][51][UTT][ GML = 0.237370 | AML = 0.437170 | MoV = 0.249016 | VoV = 0.001865 | [SYS][ GML = 0.000000 | AML = 0.000139 | MoV = 0.002800 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.11799168586730957
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.64 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5745 | LCC = 0.6452 | SRCC = 0.6118 | [SYS][ MSE = 0.1396 | LCC = 0.9891 | SRCC = 0.9590 |
[Valid(teacher)][52][UTT][ GML = 0.243416 | AML = 0.441370 | MoV = 0.248050 | VoV = 0.001790 | [SYS][ GML = 0.000000 | AML = 0.000622 | MoV = 0.002783 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.11833968013525009
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.61 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5907 | LCC = 0.6448 | SRCC = 0.6108 | [SYS][ MSE = 0.1557 | LCC = 0.9890 | SRCC = 0.9590 |
[Valid(teacher)][53][UTT][ GML = 0.233276 | AML = 0.437443 | MoV = 0.246011 | VoV = 0.001858 | [SYS][ GML = 0.000000 | AML = 0.000039 | MoV = 0.002761 | VoV = 0.000004 |
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.1262715458869934
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.33 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.6107 | LCC = 0.6444 | SRCC = 0.6113 | [SYS][ MSE = 0.1783 | LCC = 0.9894 | SRCC = 0.9617 |
[Valid(teacher)][54][UTT][ GML = 0.220257 | AML = 0.432175 | MoV = 0.241714 | VoV = 0.001841 | [SYS][ GML = 0.000000 | AML = 0.000017 | MoV = 0.002723 | VoV = 0.000004 |
Train: 100% 845/845 [03:24<00:00, 4.15 step/s]
Average loss=-0.12687654793262482
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.91 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5898 | LCC = 0.6441 | SRCC = 0.6111 | [SYS][ MSE = 0.1570 | LCC = 0.9888 | SRCC = 0.9679 |
[Valid(teacher)][55][UTT][ GML = 0.230695 | AML = 0.437944 | MoV = 0.240866 | VoV = 0.001713 | [SYS][ GML = 0.000000 | AML = 0.000172 | MoV = 0.002700 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.13342119753360748
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.71 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5524 | LCC = 0.6455 | SRCC = 0.6115 | [SYS][ MSE = 0.1168 | LCC = 0.9889 | SRCC = 0.9679 |
[Valid(teacher)][56][UTT][ GML = 0.250917 | AML = 0.447961 | MoV = 0.241464 | VoV = 0.001670 | [SYS][ GML = 0.000000 | AML = 0.007463 | MoV = 0.002693 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.14045466482639313
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.38 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5745 | LCC = 0.6448 | SRCC = 0.6118 | [SYS][ MSE = 0.1428 | LCC = 0.9897 | SRCC = 0.9638 |
[Valid(teacher)][57][UTT][ GML = 0.236652 | AML = 0.442138 | MoV = 0.238494 | VoV = 0.001716 | [SYS][ GML = 0.000000 | AML = 0.000733 | MoV = 0.002672 | VoV = 0.000003 |
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.14627251829014587
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.94 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5781 | LCC = 0.6432 | SRCC = 0.6097 | [SYS][ MSE = 0.1461 | LCC = 0.9894 | SRCC = 0.9679 |
[Valid(teacher)][58][UTT][ GML = 0.234120 | AML = 0.441753 | MoV = 0.236869 | VoV = 0.001626 | [SYS][ GML = 0.000000 | AML = 0.000431 | MoV = 0.002659 | VoV = 0.000003 |
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.14720530807971954
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.40 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5598 | LCC = 0.6420 | SRCC = 0.6085 | [SYS][ MSE = 0.1265 | LCC = 0.9887 | SRCC = 0.9679 |
[Valid(teacher)][59][UTT][ GML = 0.244232 | AML = 0.446969 | MoV = 0.236966 | VoV = 0.001518 | [SYS][ GML = 0.000000 | AML = 0.006865 | MoV = 0.002655 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.1473248451948166
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.86 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5403 | LCC = 0.6406 | SRCC = 0.6068 | [SYS][ MSE = 0.1067 | LCC = 0.9885 | SRCC = 0.9658 |
[Valid(teacher)][60][UTT][ GML = 0.255052 | AML = 0.451748 | MoV = 0.236285 | VoV = 0.001405 | [SYS][ GML = 0.000000 | AML = 0.061595 | MoV = 0.002643 | VoV = 0.000003 |
Best model performance test:
Test(best): 0% 0/4000 [00:00<, ? step/s]/home/x_xlian/.conda/envs/lxygpu/lib/python3.8/site-packages/torch/nn/modules/rnn.py:774: UserWarning: RNN module weights are not part of single contiguous chunk of memory. This means they need to be compacted at every call, possibly greatly increasing memory usage. To compact weights again call flatten_parameters(). (Triggered internally at ../at
en/src/ATen/native/cudnn/RNN.cpp:968.)
result = _VF.lstm(input, hx, self._flat_weights, self.bias, self.num_layers,
Test(best): 100% 4000/4000 [00:20<00:00, 193.57 step/s]

[Test(best)][61][UTT][ MSE = 0.6099 | LCC = 0.6615 | SRCC = 0.6324 | [SYS][ MSE = 0.1891 | LCC = 0.9864 | SRCC = 0.9638 |
[Test(best)][61][UTT][ GML = 0.234512 | AML = 0.429507 | MoV = 0.266381 | VoV = 0.002311 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002199 | VoV = 0.000002 |
Test(last): 100% 4000/4000 [00:19<00:00, 201.48 step/s]

[Test(last)][61][UTT][ MSE = 0.5255 | LCC = 0.6504 | SRCC = 0.6197 | [SYS][ MSE = 0.1021 | LCC = 0.9874 | SRCC = 0.9576 |
[Test(last)][61][UTT][ GML = 0.260724 | AML = 0.457591 | MoV = 0.235687 | VoV = 0.001358 | [SYS][ GML = 0.000000 | AML = 0.231442 | MoV = 0.001933 | VoV = 0.000002 |
(lxygpu) [x_xliangnode014 ProMOSNet]$
```