

```
xlypu) [x_xlian@node014 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1-no-sgn/run6"
Loading all wav files.
100%|██████████████████████████████████████████████████████████████████████████| 54040/54040 [07:52<00:00, 114.33it/s]
/proj/jhorse_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'][ii] = self.idtable[judge_i]
Loading all wav files.
100%|██████████████████████████████████████████████████████████████████████████| 3000/3000 [01:43<00:00, 28.86it/s]
/proj/jhorse_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'][ii] = self.idtable[judge_i]
Loading all wav files.
100%|██████████████████████████████████████████████████████████████████████████| 4000/4000 [02:20<00:00, 28.55it/s]
/proj/jhorse_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'][ii] = self.idtable[judge_i]
Train: 100% 845/845 [03:26<00:00, 4.09 step/s]
Average loss=91043.484375
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.39 step/s]

[Valid(teacher)][0][UTT] MSE = 1.3388 | LCC = 0.4955 | SRCC = 0.4731 | [SYS] MSE = 1.0963 | LCC = 0.7973 | SRCC = 0.8373 ]
[Valid(teacher)][0][UTT] GML = 0.182678 | AML = 0.264127 | MoV = 0.718112 | VoV = 0.020362 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.008352 | VoV = 0.000052 ]
Train: 100% 845/845 [05:12<00:00, 2.71 step/s]
Average loss=0.5275040864944458
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.16 step/s]

[Valid(teacher)][1][UTT] MSE = 0.6491 | LCC = 0.5571 | SRCC = 0.5219 | [SYS] MSE = 0.2367 | LCC = 0.8856 | SRCC = 0.8701 ]
[Valid(teacher)][1][UTT] GML = 0.289432 | AML = 0.359061 | MoV = 0.560935 | VoV = 0.012519 | [SYS] GML = 0.000000 | AML = 0.598246 | MoV = 0.006698 | VoV = 0.000037 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=0.4347091019153595
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.49 step/s]

[Valid(teacher)][2][UTT] MSE = 0.5521 | LCC = 0.5913 | SRCC = 0.5463 | [SYS] MSE = 0.1029 | LCC = 0.9255 | SRCC = 0.8557 ]
[Valid(teacher)][2][UTT] GML = 0.320415 | AML = 0.382928 | MoV = 0.526522 | VoV = 0.006570 | [SYS] GML = 0.001039 | AML = 1.083682 | MoV = 0.006124 | VoV = 0.000025 ]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.3962499499320984
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.56 step/s]

[Valid(teacher)][3][UTT] MSE = 0.5651 | LCC = 0.6080 | SRCC = 0.5595 | [SYS] MSE = 0.1114 | LCC = 0.9421 | SRCC = 0.8626 ]
[Valid(teacher)][3][UTT] GML = 0.313098 | AML = 0.388978 | MoV = 0.486446 | VoV = 0.005653 | [SYS] GML = 0.000005 | AML = 0.969537 | MoV = 0.005549 | VoV = 0.000017 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=0.3668413756277893
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.47 step/s]

[Valid(teacher)][4][UTT] MSE = 0.6864 | LCC = 0.6217 | SRCC = 0.5728 | [SYS] MSE = 0.2694 | LCC = 0.9557 | SRCC = 0.8899 ]
[Valid(teacher)][4][UTT] GML = 0.268240 | AML = 0.370430 | MoV = 0.449934 | VoV = 0.005771 | [SYS] GML = 0.000000 | AML = 0.041819 | MoV = 0.005143 | VoV = 0.000016 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=0.3445378541946411
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.64 step/s]

[Valid(teacher)][5][UTT] MSE = 0.6470 | LCC = 0.6261 | SRCC = 0.5784 | [SYS] MSE = 0.2310 | LCC = 0.9560 | SRCC = 0.8906 ]
[Valid(teacher)][5][UTT] GML = 0.282436 | AML = 0.378296 | MoV = 0.449949 | VoV = 0.005320 | [SYS] GML = 0.000000 | AML = 0.187815 | MoV = 0.005124 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.3229427933692932
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.31 step/s]

[Valid(teacher)][6][UTT] MSE = 0.6947 | LCC = 0.6279 | SRCC = 0.5830 | [SYS] MSE = 0.2869 | LCC = 0.9570 | SRCC = 0.8940 ]
[Valid(teacher)][6][UTT] GML = 0.264867 | AML = 0.371793 | MoV = 0.434678 | VoV = 0.005124 | [SYS] GML = 0.000000 | AML = 0.002958 | MoV = 0.004963 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.30549106001853943
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.74 step/s]

[Valid(teacher)][7][UTT] MSE = 0.8969 | LCC = 0.6289 | SRCC = 0.5873 | [SYS] MSE = 0.5142 | LCC = 0.9593 | SRCC = 0.8926 ]
[Valid(teacher)][7][UTT] GML = 0.200609 | AML = 0.337509 | MoV = 0.405897 | VoV = 0.005450 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004704 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.2889867424964905
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.73 step/s]

[Valid(teacher)][8][UTT] MSE = 0.9980 | LCC = 0.6280 | SRCC = 0.5903 | [SYS] MSE = 0.6259 | LCC = 0.9604 | SRCC = 0.8974 ]
[Valid(teacher)][8][UTT] GML = 0.174508 | AML = 0.321307 | MoV = 0.391575 | VoV = 0.004845 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004565 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.268391877412796
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.81 step/s]

[Valid(teacher)][9][UTT] MSE = 1.0685 | LCC = 0.6267 | SRCC = 0.5937 | [SYS] MSE = 0.7003 | LCC = 0.9620 | SRCC = 0.9118 ]
[Valid(teacher)][9][UTT] GML = 0.157490 | AML = 0.310378 | MoV = 0.380540 | VoV = 0.004084 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004450 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.2511512041091919
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.19 step/s]

[Valid(teacher)][10][UTT] MSE = 1.1196 | LCC = 0.6238 | SRCC = 0.5966 | [SYS] MSE = 0.7562 | LCC = 0.9621 | SRCC = 0.9221 ]
[Valid(teacher)][10][UTT] GML = 0.146814 | AML = 0.302474 | MoV = 0.374373 | VoV = 0.003114 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004377 | VoV = 0.000013 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.23456047475337982
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.61 step/s]

[Valid(teacher)][11][UTT] MSE = 1.1760 | LCC = 0.6204 | SRCC = 0.5974 | [SYS] MSE = 0.8178 | LCC = 0.9621 | SRCC = 0.9234 ]
[Valid(teacher)][11][UTT] GML = 0.133472 | AML = 0.294514 | MoV = 0.365169 | VoV = 0.002724 | [SYS]
```

Average loss=0.09459880739450455
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.61 step/s]

[Valid(teacher)][20][UTT][MSE = 1.2244 | LCC = 0.5888 | SRCC = 0.5842 | [SYS][MSE = 0.8338 | LCC = 0.9544 | SRCC = 0.9214]
[Valid(teacher)][20][UTT][GML = 0.096957 | AML = 0.291410 | MoV = 0.305170 | VoV = 0.001198 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003531 | VoV = 0.000008]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=0.0785592645406723
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.48 step/s]

[Valid(teacher)][21][UTT][MSE = 1.1952 | LCC = 0.5887 | SRCC = 0.5817 | [SYS][MSE = 0.7953 | LCC = 0.9554 | SRCC = 0.9173]
[Valid(teacher)][21][UTT][GML = 0.098037 | AML = 0.296552 | MoV = 0.298847 | VoV = 0.001250 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003452 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.06310774385929108
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.55 step/s]

[Valid(teacher)][22][UTT][MSE = 1.1709 | LCC = 0.5800 | SRCC = 0.5803 | [SYS][MSE = 0.7596 | LCC = 0.9567 | SRCC = 0.9173]
[Valid(teacher)][22][UTT][GML = 0.099506 | AML = 0.300888 | MoV = 0.294611 | VoV = 0.001193 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003394 | VoV = 0.000007]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.04877489006163498
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.46 step/s]

[Valid(teacher)][23][UTT][MSE = 1.1586 | LCC = 0.5870 | SRCC = 0.5786 | [SYS][MSE = 0.7447 | LCC = 0.9564 | SRCC = 0.9138]
[Valid(teacher)][23][UTT][GML = 0.098690 | AML = 0.303454 | MoV = 0.289382 | VoV = 0.001103 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003327 | VoV = 0.000006]
Train: 100% 845/845 [03:24<00:00, 4.15 step/s]
Average loss=0.0284443231519699
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.64 step/s]

[Valid(teacher)][24][UTT][MSE = 1.2094 | LCC = 0.5821 | SRCC = 0.5741 | [SYS][MSE = 0.7998 | LCC = 0.9561 | SRCC = 0.9125]
[Valid(teacher)][24][UTT][GML = 0.088257 | AML = 0.295598 | MoV = 0.285194 | VoV = 0.001025 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003285 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.016654111444950104
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.87 step/s]

[Valid(teacher)][25][UTT][MSE = 1.1354 | LCC = 0.5800 | SRCC = 0.5760 | [SYS][MSE = 0.7100 | LCC = 0.9578 | SRCC = 0.9125]
[Valid(teacher)][25][UTT][GML = 0.097487 | AML = 0.308550 | MoV = 0.281202 | VoV = 0.001152 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003233 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.005406209267675877
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.06 step/s]

[Valid(teacher)][26][UTT][MSE = 1.0852 | LCC = 0.5904 | SRCC = 0.5771 | [SYS][MSE = 0.6583 | LCC = 0.9588 | SRCC = 0.9050]
[Valid(teacher)][26][UTT][GML = 0.106435 | AML = 0.317358 | MoV = 0.281203 | VoV = 0.001154 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003229 | VoV = 0.000006]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=0.010719028301537037
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.13 step/s]

[Valid(teacher)][27][UTT][MSE = 1.0319 | LCC = 0.5915 | SRCC = 0.5759 | [SYS][MSE = 0.5966 | LCC = 0.9590 | SRCC = 0.8988]
[Valid(teacher)][27][UTT][GML = 0.115985 | AML = 0.327559 | MoV = 0.279986 | VoV = 0.001101 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003204 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.027038468047976494
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.11 step/s]

[Valid(teacher)][28][UTT][MSE = 1.0540 | LCC = 0.5892 | SRCC = 0.5732 | [SYS][MSE = 0.6168 | LCC = 0.9579 | SRCC = 0.8995]
[Valid(teacher)][28][UTT][GML = 0.110007 | AML = 0.324015 | MoV = 0.277736 | VoV = 0.001075 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003176 | VoV = 0.000006]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.04068176448345184
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.42 step/s]

[Valid(teacher)][29][UTT][MSE = 0.9177 | LCC = 0.6017 | SRCC = 0.5796 | [SYS][MSE = 0.4628 | LCC = 0.9630 | SRCC = 0.9097]
[Valid(teacher)][29][UTT][GML = 0.139697 | AML = 0.351297 | MoV = 0.277644 | VoV = 0.001195 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003159 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.12 step/s]
Average loss=-0.06082780659198761
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.57 step/s]

[Valid(teacher)][30][UTT][MSE = 0.8735 | LCC = 0.6070 | SRCC = 0.5812 | [SYS][MSE = 0.4114 | LCC = 0.9653 | SRCC = 0.9091]
[Valid(teacher)][30][UTT][GML = 0.147113 | AML = 0.361844 | MoV = 0.272688 | VoV = 0.001326 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003095 | VoV = 0.000005]
Train: 100% 845/845 [03:25<00:00, 4.11 step/s]
Average loss=-0.07294344156908515
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.02 step/s]

[Valid(teacher)][31][UTT][MSE = 0.8545 | LCC = 0.6051 | SRCC = 0.5797 | [SYS][MSE = 0.3911 | LCC = 0.9652 | SRCC = 0.8981]
[Valid(teacher)][31][UTT][GML = 0.151545 | AML = 0.366039 | MoV = 0.270713 | VoV = 0.001211 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003068 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.12 step/s]
Average loss=-0.08326161652803421
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.86 step/s]

[Valid(teacher)][32][UTT][MSE = 0.9004 | LCC = 0.5988 | SRCC = 0.5746 | [SYS][MSE = 0.4418 | LCC = 0.9637 | SRCC = 0.8899]
[Valid(teacher)][32][UTT][GML = 0.135779 | AML = 0.356600 | MoV = 0.266563 | VoV = 0.001231 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003035 | VoV = 0.000005]
Train: 100% 845/845 [03:25<00:00, 4.12 step/s]
Average loss=-0.09700945764780045
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.04 step/s]

[Valid(teacher)][33][UTT][MSE = 0.9224 | LCC = 0.5983 | SRCC = 0.5740 | [SYS][MSE = 0.4651 | LCC = 0.9640 | SRCC = 0.8906]
[Valid(teacher)][33][UTT][GML = 0.128204 | AML = 0.352073 | MoV = 0.264324 | VoV = 0.001274 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003018 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.10362349450588226
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.56 step/s]

[Valid(teacher)][34][UTT][MSE = 0.8444 | LCC = 0.6051 | SRCC = 0.5776 | [SYS][MSE = 0.3763 | LCC = 0.9669 | SRCC = 0.9063]
[Valid(teacher)][34][UTT][GML = 0.148361 | AML = 0.369576 | MoV = 0.264516 | VoV = 0.001364 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003006 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.11666232347488403
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.70 step/s]

[Valid(teacher)][35][UTT][MSE = 0.8104 | LCC = 0.6073 | SRCC = 0.5784 | [SYS][MSE = 0.3402 | LCC = 0.9685 | SRCC = 0.9043]
[Valid(teacher)][35][UTT][GML = 0.158198 | AML = 0.376892 | MoV = 0.264360 | VoV = 0.001394 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003001 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.1280219852924347
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.05 step/s]

[Valid(teacher)][36][UTT][MSE = 0.8151 | LCC = 0.6095 | SRCC = 0.5802 | [SYS][MSE = 0.3454 | LCC = 0.9689 | SRCC = 0.9022]
[Valid(teacher)][36][UTT][GML = 0.155168 | AML = 0.376025 | MoV = 0.262250 | VoV = 0.001449 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002974 | VoV = 0.000005]
Train: 100% 845/845 [03:25<00:00, 4.12 step/s]
Average loss=-0.14056764543056488
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.26 step/s]

[Valid(teacher)][37][UTT][MSE = 0.7890 | LCC = 0.6090 | SRCC = 0.5791 | [SYS][MSE = 0.3167 | LCC = 0.9685 | SRCC = 0.8988]
[Valid(teacher)][37][UTT][GML = 0.163588 | AML = 0.382503 | MoV = 0.261779 | VoV = 0.001348 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002962 | VoV = 0.000004]
Train: 100% 845/845 [03:25<00:00, 4.12 step/s]
Average loss=-0.15251986682415009
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.06 step/s]

[Valid(teacher)][38][UTT][MSE = 0.8263 | LCC = 0.6037 | SRCC = 0.5748 | [SYS][MSE = 0.3543 | LCC = 0.9668 | SRCC = 0.8968]
[Valid(teacher)][38][UTT][GML = 0.149506 | AML = 0.374633 | MoV = 0.258435 | VoV = 0.001319 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002936 | VoV = 0.000005]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.16020135581493378
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.96 step/s]

[Valid(teacher)][39][UTT][MSE = 0.8163 | LCC = 0.6035 | SRCC = 0.5750 | [SYS][MSE = 0.3432 | LCC = 0.9668 | SRCC = 0.8933]
[Valid(teacher)][39][UTT][GML = 0.153626 | AML = 0.377026 | MoV = 0.259320 | VoV = 0.001289 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002938 | VoV = 0.000004]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.17318685352802277
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.48 step/s]

[Valid(teacher)][40][UTT][MSE = 0.7704 | LCC = 0.6090 | SRCC = 0.5798 | [SYS][MSE = 0.2923 | LCC = 0.9705 | SRCC = 0.9063]
[Valid(teacher)][40][UTT][GML = 0.166168 | AML = 0.387652 | MoV = 0.257458 | VoV = 0.001414 | [SYS][GML = 0.000000 | AML = 0.000001 | MoV = 0.002914 | VoV = 0.000004]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.18164712190628052
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.56 step/s]

[Valid(teacher)][41][UTT][MSE = 0.7196 | LCC = 0.6156 | SRCC = 0.5852 | [SYS][MSE = 0.2382 | LCC = 0.9742 | SRCC = 0.9207]
[Valid(teacher)][41][UTT][GML = 0.182266 | AML = 0.399823 | MoV = 0.254923 | VoV = 0.001498 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002868 | VoV = 0.000004]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.18984584518326385
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.26 step/s]

[Valid(teacher)][42][UTT][MSE = 0.7244 | LCC = 0.6173 | SRCC = 0.5858 | [SYS][MSE = 0.2463 | LCC = 0.9745 | SRCC = 0.9200]
[Valid(teacher)][42][UTT][GML = 0.178647 | AML = 0.399117 | MoV = 0.252111 | VoV = 0.001457 | [SYS][GML = 0.000000 | AML = 0.000001 | MoV = 0.002843 | VoV = 0.000004]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.20038513839244843
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.81 step/s]

[Valid(teacher)][43][UTT][MSE = 0.7128 | LCC = 0.6183 | SRCC = 0.5869 | [SYS][MSE = 0.2364 | LCC = 0.9742 | SRCC = 0.9173]
[Valid(teacher)][43][UTT][GML = 0.185207 | AML = 0.401381 | MoV = 0.254062 | VoV = 0.001400 | [SYS][GML = 0.000000 | AML = 0.000003 | MoV = 0.002860 | VoV = 0.000004]

```
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.21337056159973145
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.90 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.7101 | LCC = 0.6195 | SRCC = 0.5874 | [SYS][ MSE = 0.2328 | LCC = 0.9750 | SRCC = 0.9159 ]
[Valid(teacher)][44][UTT][ GML = 0.182827 | AML = 0.402527 | MoV = 0.250566 | VoV = 0.001481 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002821 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.2195705771446228
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.64 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.6790 | LCC = 0.6246 | SRCC = 0.5920 | [SYS][ MSE = 0.2050 | LCC = 0.9762 | SRCC = 0.9214 ]
[Valid(teacher)][45][UTT][ GML = 0.194601 | AML = 0.410337 | MoV = 0.249101 | VoV = 0.001544 | [SYS][ GML = 0.000000 | AML = 0.000047 | MoV = 0.002802 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.22945213317871094
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.65 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.6631 | LCC = 0.6236 | SRCC = 0.5901 | [SYS][ MSE = 0.1852 | LCC = 0.9767 | SRCC = 0.9282 ]
[Valid(teacher)][46][UTT][ GML = 0.200586 | AML = 0.414865 | MoV = 0.248325 | VoV = 0.001545 | [SYS][ GML = 0.000000 | AML = 0.000223 | MoV = 0.002787 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.23961517214775085
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.57 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.6637 | LCC = 0.6231 | SRCC = 0.5885 | [SYS][ MSE = 0.1859 | LCC = 0.9755 | SRCC = 0.9070 ]
[Valid(teacher)][47][UTT][ GML = 0.201233 | AML = 0.414492 | MoV = 0.249371 | VoV = 0.001608 | [SYS][ GML = 0.000000 | AML = 0.000323 | MoV = 0.002804 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.24995732307434082
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.61 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.6801 | LCC = 0.6221 | SRCC = 0.5880 | [SYS][ MSE = 0.2041 | LCC = 0.9746 | SRCC = 0.9077 ]
[Valid(teacher)][48][UTT][ GML = 0.191892 | AML = 0.410513 | MoV = 0.246544 | VoV = 0.001670 | [SYS][ GML = 0.000000 | AML = 0.000071 | MoV = 0.002780 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.2556042969226837
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.96 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.6573 | LCC = 0.6236 | SRCC = 0.5893 | [SYS][ MSE = 0.1815 | LCC = 0.9760 | SRCC = 0.9097 ]
[Valid(teacher)][49][UTT][ GML = 0.200122 | AML = 0.416744 | MoV = 0.243341 | VoV = 0.001575 | [SYS][ GML = 0.000000 | AML = 0.000504 | MoV = 0.002737 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.2719985842704773
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.28 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.7028 | LCC = 0.6203 | SRCC = 0.5851 | [SYS][ MSE = 0.2258 | LCC = 0.9752 | SRCC = 0.9145 ]
[Valid(teacher)][50][UTT][ GML = 0.177308 | AML = 0.406013 | MoV = 0.240227 | VoV = 0.001690 | [SYS][ GML = 0.000000 | AML = 0.000008 | MoV = 0.002710 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.28061020374298096
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.38 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.6499 | LCC = 0.6283 | SRCC = 0.5924 | [SYS][ MSE = 0.1761 | LCC = 0.9771 | SRCC = 0.9166 ]
[Valid(teacher)][51][UTT][ GML = 0.196439 | AML = 0.419777 | MoV = 0.236227 | VoV = 0.001676 | [SYS][ GML = 0.000000 | AML = 0.000596 | MoV = 0.002648 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.2903186082839966
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.59 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.6157 | LCC = 0.6315 | SRCC = 0.5947 | [SYS][ MSE = 0.1405 | LCC = 0.9790 | SRCC = 0.9221 ]
[Valid(teacher)][52][UTT][ GML = 0.211079 | AML = 0.429223 | MoV = 0.235044 | VoV = 0.001746 | [SYS][ GML = 0.000000 | AML = 0.015230 | MoV = 0.002625 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.30426472425460815
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.89 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.6166 | LCC = 0.6317 | SRCC = 0.5947 | [SYS][ MSE = 0.1425 | LCC = 0.9788 | SRCC = 0.9227 ]
[Valid(teacher)][53][UTT][ GML = 0.209570 | AML = 0.429529 | MoV = 0.233402 | VoV = 0.001685 | [SYS][ GML = 0.000000 | AML = 0.006923 | MoV = 0.002607 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.12 step/s]
Average loss=-0.3038283884525299
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.43 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5943 | LCC = 0.6367 | SRCC = 0.6000 | [SYS][ MSE = 0.1261 | LCC = 0.9800 | SRCC = 0.9234 ]
[Valid(teacher)][54][UTT][ GML = 0.219330 | AML = 0.435571 | MoV = 0.231667 | VoV = 0.001665 | [SYS][ GML = 0.000000 | AML = 0.019243 | MoV = 0.002581 | VoV = 0.000003 ]
Train: 100% 845/845 [00:04<00:00, 4.14 step/s]
Average loss=-0.32035642862319946
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.65 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5880 | LCC = 0.6364 | SRCC = 0.5998 | [SYS][ MSE = 0.1163 | LCC = 0.9800 | SRCC = 0.9255 ]
[Valid(teacher)][55][UTT][ GML = 0.218425 | AML = 0.438092 | MoV = 0.228274 | VoV = 0.001769 | [SYS][ GML = 0.000000 | AML = 0.044030 | MoV = 0.002537 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.3273475170135498
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.69 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5931 | LCC = 0.6344 | SRCC = 0.5980 | [SYS][ MSE = 0.1181 | LCC = 0.9800 | SRCC = 0.9234 ]
[Valid(teacher)][56][UTT][ GML = 0.214279 | AML = 0.436914 | MoV = 0.226003 | VoV = 0.001756 | [SYS][ GML = 0.000000 | AML = 0.035831 | MoV = 0.002508 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.33654409646987915
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.47 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5740 | LCC = 0.6375 | SRCC = 0.6012 | [SYS][ MSE = 0.1028 | LCC = 0.9810 | SRCC = 0.9125 ]
[Valid(teacher)][57][UTT][ GML = 0.223293 | AML = 0.442886 | MoV = 0.223607 | VoV = 0.001690 | [SYS][ GML = 0.000000 | AML = 0.074565 | MoV = 0.002474 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.3505867416270447
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.55 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5727 | LCC = 0.6368 | SRCC = 0.6007 | [SYS][ MSE = 0.1003 | LCC = 0.9808 | SRCC = 0.9063 ]
[Valid(teacher)][58][UTT][ GML = 0.222906 | AML = 0.443993 | MoV = 0.222382 | VoV = 0.001679 | [SYS][ GML = 0.000000 | AML = 0.070400 | MoV = 0.002455 | VoV = 0.000002 ]
Train: 100% 845/845 [03:25<00:00, 4.12 step/s]
Average loss=-0.36558467149734497
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.61 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5746 | LCC = 0.6366 | SRCC = 0.5999 | [SYS][ MSE = 0.1028 | LCC = 0.9805 | SRCC = 0.9063 ]
[Valid(teacher)][59][UTT][ GML = 0.219311 | AML = 0.444553 | MoV = 0.219422 | VoV = 0.001653 | [SYS][ GML = 0.000000 | AML = 0.054027 | MoV = 0.002424 | VoV = 0.000002 ]
Train: 100% 845/845 [03:25<00:00, 4.12 step/s]
Average loss=-0.37978100776672363
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.18 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5609 | LCC = 0.6359 | SRCC = 0.5998 | [SYS][ MSE = 0.0849 | LCC = 0.9810 | SRCC = 0.9118 ]
[Valid(teacher)][60][UTT][ GML = 0.223336 | AML = 0.450191 | MoV = 0.214799 | VoV = 0.001564 | [SYS][ GML = 0.000000 | AML = 0.245135 | MoV = 0.002368 | VoV = 0.000002 ]
Best model performance test:
Test(best): 0% 0/4000 [00:00<, ? step/s]/home/x_xlian/.conda/envs/lyxgpu/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, 191.64 step/s]

[Test(best)][61][UTT][ MSE = 0.5563 | LCC = 0.6504 | SRCC = 0.6129 | [SYS][ MSE = 0.0929 | LCC = 0.9827 | SRCC = 0.9515 ]
[Test(best)][61][UTT][ GML = 0.227240 | AML = 0.453040 | MoV = 0.223193 | VoV = 0.001621 | [SYS][ GML = 0.000000 | AML = 0.144194 | MoV = 0.001823 | VoV = 0.000001 ]
Test(last): 100% 4000/4000 [00:20<00:00, 193.75 step/s]

[Test(last)][61][UTT][ MSE = 0.5439 | LCC = 0.6485 | SRCC = 0.6114 | [SYS][ MSE = 0.0757 | LCC = 0.9818 | SRCC = 0.9542 ]
[Test(last)][61][UTT][ GML = 0.227061 | AML = 0.459608 | MoV = 0.214567 | VoV = 0.001514 | [SYS][ GML = 0.000000 | AML = 0.516438 | MoV = 0.001749 | VoV = 0.000001 ]
(lxygpu) [x_xliangnode014 ProMOSNet]$
```