```
(lxygpu) [x_xlian@node053 ProMOSNet]$ python train.py --lamb_c=0 --lamb_t=1 --save_path "runs/c0-t1/run2"
Loading all wav files.
100%|██████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:51<00:00, 101.71it/s]
/proj/ihorse_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 [02:01<00:00, 24.79it/s]
/proj/ihorse_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 [02:43<00:00, 24.42it/s]
/proj/ihorse_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 [03:38<00:00,  3.86 step/s]
Average loss=209653.0
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.68 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.6096 | LCC = 0.4896 | SRCC = 0.4671 ] [SYS][ MSE = 1.3324 | LCC = 0.8287 | SRCC = 0.8407 ]
[Valid(teacher)][0][UTT][ GML = 0.093741 | AML = 0.242458 | MoV = 0.472965 | VoV = 0.012369 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005570 | VoV = 0.000026 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.48937201499938965
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.79 step/s]
/home/x_xlian/.conda/envs/lxygpu/lib/python3.8/site-packages/scipy/stats/_distn_infrastructure.py:2085: RuntimeWarning: divide by zero encountered in divide
  x = np.asarray((x - loc)/scale, dtype=dtype)

[Valid(teacher)][1][UTT][ MSE = 2.8131 | LCC = 0.5580 | SRCC = 0.5210 ] [SYS][ MSE = 2.4463 | LCC = 0.9264 | SRCC = 0.8865 ]
[Valid(teacher)][1][UTT][ GML = nan | AML = nan | MoV = 0.297257 | VoV = 0.023162 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003854 | VoV = 0.000023 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.3963489830493927
Valid(teacher): 100% 3000/3000 [00:20<00:00, 148.15 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.9286 | LCC = 0.5873 | SRCC = 0.5421 ] [SYS][ MSE = 1.5282 | LCC = 0.9410 | SRCC = 0.8968 ]
[Valid(teacher)][2][UTT][ GML = 0.007308 | AML = 0.185131 | MoV = 0.349253 | VoV = 0.018151 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004324 | VoV = 0.000021 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.35021835565567017
Valid(teacher): 100% 3000/3000 [00:20<00:00, 143.42 step/s]

[Valid(teacher)][3][UTT][ MSE = 2.0549 | LCC = 0.5887 | SRCC = 0.5426 ] [SYS][ MSE = 1.6461 | LCC = 0.9524 | SRCC = 0.9050 ]
[Valid(teacher)][3][UTT][ GML = 0.000000 | AML = 0.172122 | MoV = 0.335382 | VoV = 0.018769 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004215 | VoV = 0.000022 ]
Train: 100% 845/845 [03:18<00:00, 164.70 step/s]
Average loss=0.3162500712841034
Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.70 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.4307 | LCC = 0.6053 | SRCC = 0.5588 ] [SYS][ MSE = 0.9989 | LCC = 0.9615 | SRCC = 0.9104 ]
[Valid(teacher)][4][UTT][ GML = 0.058449 | AML = 0.250479 | MoV = 0.375433 | VoV = 0.013356 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004525 | VoV = 0.000018 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.28868839144706726
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.53 step/s]

[Valid(teacher)][5][UTT][ MSE = 1.5064 | LCC = 0.6074 | SRCC = 0.5611 ] [SYS][ MSE = 1.0849 | LCC = 0.9627 | SRCC = 0.9138 ]
[Valid(teacher)][5][UTT][ GML = 0.049889 | AML = 0.239578 | MoV = 0.366610 | VoV = 0.013376 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004450 | VoV = 0.000019 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=0.26209214329719543
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.51 step/s]

[Valid(teacher)][6][UTT][ MSE = 1.1896 | LCC = 0.6155 | SRCC = 0.5709 ] [SYS][ MSE = 0.7638 | LCC = 0.9673 | SRCC = 0.9268 ]
[Valid(teacher)][6][UTT][ GML = 0.114533 | AML = 0.289974 | MoV = 0.389705 | VoV = 0.010253 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004638 | VoV = 0.000017 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=0.2358149290084839
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.79 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.0802 | LCC = 0.6218 | SRCC = 0.5792 ] [SYS][ MSE = 0.6570 | LCC = 0.9713 | SRCC = 0.9296 ]
[Valid(teacher)][7][UTT][ GML = 0.146063 | AML = 0.308285 | MoV = 0.398815 | VoV = 0.008808 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004706 | VoV = 0.000017 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.21098124980926514
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.16 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.9391 | LCC = 0.6279 | SRCC = 0.5865 ] [SYS][ MSE = 0.5126 | LCC = 0.9744 | SRCC = 0.9330 ]
[Valid(teacher)][8][UTT][ GML = 0.184854 | AML = 0.333000 | MoV = 0.405927 | VoV = 0.007404 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004733 | VoV = 0.000015 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.18964415788650513
Valid(teacher): 100% 3000/3000 [00:20<00:00, 144.02 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.8167 | LCC = 0.6332 | SRCC = 0.5917 ] [SYS][ MSE = 0.3874 | LCC = 0.9764 | SRCC = 0.9262 ]
[Valid(teacher)][9][UTT][ GML = 0.222415 | AML = 0.355114 | MoV = 0.412068 | VoV = 0.005915 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004748 | VoV = 0.000014 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.1598665714263916
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.41 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.7631 | LCC = 0.6357 | SRCC = 0.5951 ] [SYS][ MSE = 0.3307 | LCC = 0.9784 | SRCC = 0.9330 ]
[Valid(teacher)][10][UTT][ GML = 0.238991 | AML = 0.365943 | MoV = 0.411190 | VoV = 0.005325 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.004706 | VoV = 0.000013 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.13682784140110016
Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.15 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.8204 | LCC = 0.6342 | SRCC = 0.5930 ] [SYS][ MSE = 0.3875 | LCC = 0.9783 | SRCC = 0.9296 ]
[Valid(teacher)][11][UTT][ GML = 0.219404 | AML = 0.356659 | MoV = 0.401752 | VoV = 0.005239 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004610 | VoV = 0.000012 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.11790481954813004
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.05 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.8091 | LCC = 0.6356 | SRCC = 0.5950 ] [SYS][ MSE = 0.3757 | LCC = 0.9794 | SRCC = 0.9467 ]
[Valid(teacher)][12][UTT][ GML = 0.222947 | AML = 0.359645 | MoV = 0.399216 | VoV = 0.004765 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004564 | VoV = 0.000012 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.0940973237156868
Valid(teacher): 100% 3000/3000 [00:20<00:00, 146.32 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.8159 | LCC = 0.6388 | SRCC = 0.5977 ] [SYS][ MSE = 0.3844 | LCC = 0.9798 | SRCC = 0.9405 ]
[Valid(teacher)][13][UTT][ GML = 0.220674 | AML = 0.358043 | MoV = 0.395416 | VoV = 0.004347 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004519 | VoV = 0.000011 ]
Train: 100% 845/845 [03:33<00:00,  3.97 step/s]
Average loss=0.0767093375325203
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.47 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.8146 | LCC = 0.6395 | SRCC = 0.5984 ] [SYS][ MSE = 0.3819 | LCC = 0.9800 | SRCC = 0.9521 ]
[Valid(teacher)][14][UTT][ GML = 0.219348 | AML = 0.359131 | MoV = 0.389202 | VoV = 0.003989 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004443 | VoV = 0.000011 ]
Train: 100% 845/845 [03:32<00:00,  3.98 step/s]
Average loss=0.052222569984436035
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.92 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.7134 | LCC = 0.6421 | SRCC = 0.5994 ] [SYS][ MSE = 0.2773 | LCC = 0.9814 | SRCC = 0.9467 ]
[Valid(teacher)][15][UTT][ GML = 0.251533 | AML = 0.379754 | MoV = 0.391398 | VoV = 0.003749 ] [SYS][ GML = 0.000000 | AML = 0.000009 | MoV = 0.004437 | VoV = 0.000010 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=0.026884550228714943
Valid(teacher): 100% 3000/3000 [00:18<00:00, 158.75 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.7667 | LCC = 0.6381 | SRCC = 0.5966 ] [SYS][ MSE = 0.3297 | LCC = 0.9808 | SRCC = 0.9405 ]
[Valid(teacher)][16][UTT][ GML = 0.231352 | AML = 0.370634 | MoV = 0.382628 | VoV = 0.003699 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004361 | VoV = 0.000010 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.008384959772229195
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.05 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.7672 | LCC = 0.6378 | SRCC = 0.5964 ] [SYS][ MSE = 0.3287 | LCC = 0.9819 | SRCC = 0.9487 ]
[Valid(teacher)][17][UTT][ GML = 0.229156 | AML = 0.371238 | MoV = 0.377111 | VoV = 0.003590 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004302 | VoV = 0.000010 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.01514777354896086
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.65 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.8136 | LCC = 0.6348 | SRCC = 0.5936 ] [SYS][ MSE = 0.3770 | LCC = 0.9807 | SRCC = 0.9542 ]
[Valid(teacher)][18][UTT][ GML = 0.213275 | AML = 0.362421 | MoV = 0.371052 | VoV = 0.003397 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004237 | VoV = 0.000010 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.02609957568347454
Valid(teacher): 100% 3000/3000 [00:20<00:00, 147.84 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.7776 | LCC = 0.6349 | SRCC = 0.5926 ] [SYS][ MSE = 0.3355 | LCC = 0.9813 | SRCC = 0.9432 ]
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[Valid(teacher)][19][UTT][ GML = 0.221664 | AML = 0.370589 | MoV = 0.367926 | VoV = 0.003482 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004195 | VoV = 0.000010 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.05053544789552686886
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.48 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.7927 | LCC = 0.6348 | SRCC = 0.5929 ] [SYS][ MSE = 0.3492 | LCC = 0.9820 | SRCC = 0.9487 ]
[Valid(teacher)][20][UTT][ GML = 0.213432 | AML = 0.368463 | MoV = 0.361221 | VoV = 0.003674 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004117 | VoV = 0.000009 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.0663780272006985
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.69 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.7705 | LCC = 0.6354 | SRCC = 0.5929 ] [SYS][ MSE = 0.3259 | LCC = 0.9830 | SRCC = 0.9651 ]
[Valid(teacher)][21][UTT][ GML = 0.217397 | AML = 0.374207 | MoV = 0.356067 | VoV = 0.003717 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004052 | VoV = 0.000009 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.09285683184862137
Valid(teacher): 100% 3000/3000 [00:18<00:00, 158.06 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.6593 | LCC = 0.6369 | SRCC = 0.5935 ] [SYS][ MSE = 0.2049 | LCC = 0.9836 | SRCC = 0.9432 ]
[Valid(teacher)][22][UTT][ GML = 0.253681 | AML = 0.399482 | MoV = 0.352910 | VoV = 0.003486 ] [SYS][ GML = 0.000000 | AML = 0.000266 | MoV = 0.003986 | VoV = 0.000008 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.10888291150331497
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.23 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.6765 | LCC = 0.6360 | SRCC = 0.5915 ] [SYS][ MSE = 0.2215 | LCC = 0.9840 | SRCC = 0.9528 ]
[Valid(teacher)][23][UTT][ GML = 0.243966 | AML = 0.396405 | MoV = 0.347635 | VoV = 0.003607 ] [SYS][ GML = 0.000000 | AML = 0.000061 | MoV = 0.003941 | VoV = 0.000008 ]
Train: 100% 845/845 [03:33<00:00,  3.97 step/s]
Average loss=-0.12797704339027405
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.55 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.6976 | LCC = 0.6331 | SRCC = 0.5880 ] [SYS][ MSE = 0.2393 | LCC = 0.9830 | SRCC = 0.9460 ]
[Valid(teacher)][24][UTT][ GML = 0.232980 | AML = 0.393047 | MoV = 0.341734 | VoV = 0.003580 ] [SYS][ GML = 0.000000 | AML = 0.000025 | MoV = 0.003883 | VoV = 0.000008 ]
Train: 100% 845/845 [03:32<00:00,  3.97 step/s]
Average loss=-0.1434190720319748
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.35 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.7032 | LCC = 0.6306 | SRCC = 0.5856 ] [SYS][ MSE = 0.2399 | LCC = 0.9832 | SRCC = 0.9446 ]
[Valid(teacher)][25][UTT][ GML = 0.226381 | AML = 0.393520 | MoV = 0.336578 | VoV = 0.003823 ] [SYS][ GML = 0.000000 | AML = 0.000020 | MoV = 0.003828 | VoV = 0.000008 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.159280464053154
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.82 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.7000 | LCC = 0.6291 | SRCC = 0.5850 ] [SYS][ MSE = 0.2343 | LCC = 0.9827 | SRCC = 0.9419 ]
[Valid(teacher)][26][UTT][ GML = 0.226472 | AML = 0.394828 | MoV = 0.334756 | VoV = 0.003702 ] [SYS][ GML = 0.000000 | AML = 0.000023 | MoV = 0.003792 | VoV = 0.000008 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.17922335863113403
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.67 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.7490 | LCC = 0.6289 | SRCC = 0.5852 ] [SYS][ MSE = 0.2884 | LCC = 0.9827 | SRCC = 0.9412 ]
[Valid(teacher)][27][UTT][ GML = 0.205165 | AML = 0.384535 | MoV = 0.326370 | VoV = 0.003857 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003714 | VoV = 0.000008 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.19965824484825134
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.62 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.7056 | LCC = 0.6279 | SRCC = 0.5830 ] [SYS][ MSE = 0.2336 | LCC = 0.9835 | SRCC = 0.9398 ]
[Valid(teacher)][28][UTT][ GML = 0.217116 | AML = 0.395693 | MoV = 0.320513 | VoV = 0.003616 ] [SYS][ GML = 0.000000 | AML = 0.000019 | MoV = 0.003638 | VoV = 0.000007 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.21962270140647888
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.30 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.6768 | LCC = 0.6274 | SRCC = 0.5837 ] [SYS][ MSE = 0.1975 | LCC = 0.9847 | SRCC = 0.9432 ]
[Valid(teacher)][29][UTT][ GML = 0.224573 | AML = 0.403499 | MoV = 0.314258 | VoV = 0.003456 ] [SYS][ GML = 0.000000 | AML = 0.000087 | MoV = 0.003560 | VoV = 0.000007 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.2323281615972519
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.01 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.6656 | LCC = 0.6274 | SRCC = 0.5840 ] [SYS][ MSE = 0.1830 | LCC = 0.9845 | SRCC = 0.9371 ]
[Valid(teacher)][30][UTT][ GML = 0.225377 | AML = 0.407483 | MoV = 0.308867 | VoV = 0.003390 ] [SYS][ GML = 0.000000 | AML = 0.000420 | MoV = 0.003501 | VoV = 0.000007 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.2445957362651825
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.03 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.6560 | LCC = 0.6282 | SRCC = 0.5852 ] [SYS][ MSE = 0.1748 | LCC = 0.9844 | SRCC = 0.9371 ]
[Valid(teacher)][31][UTT][ GML = 0.226422 | AML = 0.410788 | MoV = 0.303883 | VoV = 0.003341 ] [SYS][ GML = 0.000000 | AML = 0.000939 | MoV = 0.003448 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.2654946446418762
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.89 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.6237 | LCC = 0.6286 | SRCC = 0.5860 ] [SYS][ MSE = 0.1397 | LCC = 0.9847 | SRCC = 0.9323 ]
[Valid(teacher)][32][UTT][ GML = 0.238473 | AML = 0.419843 | MoV = 0.299782 | VoV = 0.003111 ] [SYS][ GML = 0.000000 | AML = 0.006137 | MoV = 0.003385 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.2795634865760803
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.40 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.6142 | LCC = 0.6267 | SRCC = 0.5847 ] [SYS][ MSE = 0.1258 | LCC = 0.9843 | SRCC = 0.9309 ]
[Valid(teacher)][33][UTT][ GML = 0.239638 | AML = 0.423520 | MoV = 0.294102 | VoV = 0.002967 ] [SYS][ GML = 0.000000 | AML = 0.020406 | MoV = 0.003315 | VoV = 0.000006 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.2982819080352783
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.74 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.6187 | LCC = 0.6274 | SRCC = 0.5855 ] [SYS][ MSE = 0.1291 | LCC = 0.9841 | SRCC = 0.9268 ]
[Valid(teacher)][34][UTT][ GML = 0.234945 | AML = 0.423333 | MoV = 0.290021 | VoV = 0.002969 ] [SYS][ GML = 0.000000 | AML = 0.015541 | MoV = 0.003272 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.30960512161254883
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.17 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5841 | LCC = 0.6252 | SRCC = 0.5842 ] [SYS][ MSE = 0.0874 | LCC = 0.9835 | SRCC = 0.9296 ]
[Valid(teacher)][35][UTT][ GML = 0.250187 | AML = 0.432446 | MoV = 0.287577 | VoV = 0.002842 ] [SYS][ GML = 0.000000 | AML = 0.446058 | MoV = 0.003229 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.3264962136745453
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.90 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.6158 | LCC = 0.6260 | SRCC = 0.5847 ] [SYS][ MSE = 0.1231 | LCC = 0.9836 | SRCC = 0.9289 ]
[Valid(teacher)][36][UTT][ GML = 0.231960 | AML = 0.425148 | MoV = 0.283681 | VoV = 0.002859 ] [SYS][ GML = 0.000000 | AML = 0.017437 | MoV = 0.003198 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.3381451964378357
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.27 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5689 | LCC = 0.6283 | SRCC = 0.5881 ] [SYS][ MSE = 0.0736 | LCC = 0.9831 | SRCC = 0.9337 ]
[Valid(teacher)][37][UTT][ GML = 0.255062 | AML = 0.438685 | MoV = 0.280385 | VoV = 0.002519 ] [SYS][ GML = 0.000003 | AML = 0.920496 | MoV = 0.003141 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.35191360116004944
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.20 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5808 | LCC = 0.6287 | SRCC = 0.5887 ] [SYS][ MSE = 0.0880 | LCC = 0.9838 | SRCC = 0.9289 ]
[Valid(teacher)][38][UTT][ GML = 0.244122 | AML = 0.436526 | MoV = 0.275192 | VoV = 0.002651 ] [SYS][ GML = 0.000000 | AML = 0.307958 | MoV = 0.003091 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.3729357123374939
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.70 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5665 | LCC = 0.6294 | SRCC = 0.5895 ] [SYS][ MSE = 0.0755 | LCC = 0.9846 | SRCC = 0.9289 ]
[Valid(teacher)][39][UTT][ GML = 0.249929 | AML = 0.441353 | MoV = 0.270195 | VoV = 0.002495 ] [SYS][ GML = 0.000002 | AML = 0.479019 | MoV = 0.003037 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.3811812400817871
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.61 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5888 | LCC = 0.6299 | SRCC = 0.5900 ] [SYS][ MSE = 0.1029 | LCC = 0.9845 | SRCC = 0.9309 ]
[Valid(teacher)][40][UTT][ GML = 0.238013 | AML = 0.435833 | MoV = 0.269614 | VoV = 0.002597 ] [SYS][ GML = 0.000000 | AML = 0.047998 | MoV = 0.003036 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.39059993624687195
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.24 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5579 | LCC = 0.6277 | SRCC = 0.5887 ] [SYS][ MSE = 0.0643 | LCC = 0.9836 | SRCC = 0.9275 ]
[Valid(teacher)][41][UTT][ GML = 0.252247 | AML = 0.446124 | MoV = 0.264771 | VoV = 0.002334 ] [SYS][ GML = 0.000012 | AML = 1.108534 | MoV = 0.002974 | VoV = 0.000004 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.41068142652511597
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.34 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5547 | LCC = 0.6278 | SRCC = 0.5882 ] [SYS][ MSE = 0.0614 | LCC = 0.9835 | SRCC = 0.9275 ]
[Valid(teacher)][42][UTT][ GML = 0.252032 | AML = 0.447815 | MoV = 0.260831 | VoV = 0.002242 ] [SYS][ GML = 0.000020 | AML = 1.234027 | MoV = 0.002926 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.4203314185142517
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.76 step/s]
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[Valid(teacher)][43][UTT][ MSE = 0.5739 | LCC = 0.6274 | SRCC = 0.5879 ] [SYS][ MSE = 0.0831 | LCC = 0.9838 | SRCC = 0.9296 ]
[Valid(teacher)][43][UTT][ GML = 0.237246 | AML = 0.443894 | MoV = 0.257082 | VoV = 0.002325 ] [SYS][ GML = 0.000000 | AML = 0.252335 | MoV = 0.002890 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.4379572868347168
Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.20 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5677 | LCC = 0.6270 | SRCC = 0.5872 ] [SYS][ MSE = 0.0731 | LCC = 0.9830 | SRCC = 0.9296 ]
[Valid(teacher)][44][UTT][ GML = 0.237135 | AML = 0.446889 | MoV = 0.252809 | VoV = 0.002305 ] [SYS][ GML = 0.000001 | AML = 0.801439 | MoV = 0.002833 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.4519458711473083
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.09 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5445 | LCC = 0.6263 | SRCC = 0.5864 ] [SYS][ MSE = 0.0481 | LCC = 0.9818 | SRCC = 0.9296 ]
[Valid(teacher)][45][UTT][ GML = 0.249604 | AML = 0.453202 | MoV = 0.250210 | VoV = 0.002121 ] [SYS][ GML = 0.000201 | AML = 1.530513 | MoV = 0.002795 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.4576968252658844
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.40 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5409 | LCC = 0.6268 | SRCC = 0.5874 ] [SYS][ MSE = 0.0443 | LCC = 0.9813 | SRCC = 0.9262 ]
[Valid(teacher)][46][UTT][ GML = 0.251252 | AML = 0.454426 | MoV = 0.249899 | VoV = 0.002110 ] [SYS][ GML = 0.000523 | AML = 1.410222 | MoV = 0.002789 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.4707429111003876
Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.62 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5405 | LCC = 0.6259 | SRCC = 0.5868 ] [SYS][ MSE = 0.0423 | LCC = 0.9813 | SRCC = 0.9262 ]
[Valid(teacher)][47][UTT][ GML = 0.249120 | AML = 0.456220 | MoV = 0.246833 | VoV = 0.002069 ] [SYS][ GML = 0.000744 | AML = 1.330472 | MoV = 0.002752 | VoV = 0.000004 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.4814912974834442
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.81 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5435 | LCC = 0.6237 | SRCC = 0.5847 ] [SYS][ MSE = 0.0436 | LCC = 0.9816 | SRCC = 0.9275 ]
[Valid(teacher)][48][UTT][ GML = 0.243166 | AML = 0.456301 | MoV = 0.242217 | VoV = 0.002077 ] [SYS][ GML = 0.000465 | AML = 1.394095 | MoV = 0.002708 | VoV = 0.000004 ]
Train: 100% 845/845 [03:34<00:00,  3.93 step/s]
Average loss=-0.5024018883705139
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.69 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5364 | LCC = 0.6228 | SRCC = 0.5836 ] [SYS][ MSE = 0.0366 | LCC = 0.9812 | SRCC = 0.9275 ]
[Valid(teacher)][49][UTT][ GML = 0.243704 | AML = 0.460179 | MoV = 0.236344 | VoV = 0.001948 ] [SYS][ GML = 0.001907 | AML = 1.335600 | MoV = 0.002641 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.5045767426490784
Valid(teacher): 100% 3000/3000 [00:20<00:00, 148.98 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5327 | LCC = 0.6229 | SRCC = 0.5848 ] [SYS][ MSE = 0.0301 | LCC = 0.9803 | SRCC = 0.9275 ]
[Valid(teacher)][50][UTT][ GML = 0.244974 | AML = 0.461909 | MoV = 0.234517 | VoV = 0.001929 ] [SYS][ GML = 0.007208 | AML = 1.210074 | MoV = 0.002618 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.51911461353302
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.86 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5262 | LCC = 0.6213 | SRCC = 0.5834 ] [SYS][ MSE = 0.0252 | LCC = 0.9796 | SRCC = 0.9207 ]
[Valid(teacher)][51][UTT][ GML = 0.248621 | AML = 0.463873 | MoV = 0.231252 | VoV = 0.001744 ] [SYS][ GML = 0.027595 | AML = 1.564463 | MoV = 0.002582 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.5227214097976685
Valid(teacher): 100% 3000/3000 [00:20<00:00, 145.54 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5243 | LCC = 0.6214 | SRCC = 0.5837 ] [SYS][ MSE = 0.0199 | LCC = 0.9789 | SRCC = 0.9221 ]
[Valid(teacher)][52][UTT][ GML = 0.251084 | AML = 0.464324 | MoV = 0.230978 | VoV = 0.001678 ] [SYS][ GML = 0.072759 | AML = 1.929143 | MoV = 0.002573 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.5361009240150452
Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.83 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5275 | LCC = 0.6224 | SRCC = 0.5836 ] [SYS][ MSE = 0.0254 | LCC = 0.9804 | SRCC = 0.9193 ]
[Valid(teacher)][53][UTT][ GML = 0.245131 | AML = 0.463594 | MoV = 0.229114 | VoV = 0.001725 ] [SYS][ GML = 0.020370 | AML = 1.356127 | MoV = 0.002553 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.5513412952423096
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.40 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5259 | LCC = 0.6214 | SRCC = 0.5827 ] [SYS][ MSE = 0.0213 | LCC = 0.9801 | SRCC = 0.9193 ]
[Valid(teacher)][54][UTT][ GML = 0.245763 | AML = 0.464815 | MoV = 0.226419 | VoV = 0.001635 ] [SYS][ GML = 0.048182 | AML = 1.641379 | MoV = 0.002517 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.5518359541893005
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.01 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5256 | LCC = 0.6242 | SRCC = 0.5853 ] [SYS][ MSE = 0.0256 | LCC = 0.9805 | SRCC = 0.9186 ]
[Valid(teacher)][55][UTT][ GML = 0.244067 | AML = 0.465756 | MoV = 0.225280 | VoV = 0.001644 ] [SYS][ GML = 0.018965 | AML = 1.494487 | MoV = 0.002509 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.97 step/s]
Average loss=-0.5708360075950623
Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.30 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5238 | LCC = 0.6245 | SRCC = 0.5856 ] [SYS][ MSE = 0.0240 | LCC = 0.9805 | SRCC = 0.9221 ]
[Valid(teacher)][56][UTT][ GML = 0.244632 | AML = 0.467562 | MoV = 0.222664 | VoV = 0.001548 ] [SYS][ GML = 0.025685 | AML = 1.508709 | MoV = 0.002476 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.576177716255188
Valid(teacher): 100% 3000/3000 [00:17<00:00, 172.85 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5225 | LCC = 0.6237 | SRCC = 0.5855 ] [SYS][ MSE = 0.0211 | LCC = 0.9800 | SRCC = 0.9221 ]
[Valid(teacher)][57][UTT][ GML = 0.243409 | AML = 0.468998 | MoV = 0.219753 | VoV = 0.001493 ] [SYS][ GML = 0.051620 | AML = 1.830400 | MoV = 0.002447 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.594318687915802
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.11 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5235 | LCC = 0.6228 | SRCC = 0.5850 ] [SYS][ MSE = 0.0215 | LCC = 0.9801 | SRCC = 0.9207 ]
[Valid(teacher)][58][UTT][ GML = 0.240648 | AML = 0.470095 | MoV = 0.216862 | VoV = 0.001450 ] [SYS][ GML = 0.046781 | AML = 1.680052 | MoV = 0.002412 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.6017650961875916
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.99 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5204 | LCC = 0.6232 | SRCC = 0.5854 ] [SYS][ MSE = 0.0218 | LCC = 0.9800 | SRCC = 0.9221 ]
[Valid(teacher)][59][UTT][ GML = 0.241533 | AML = 0.470219 | MoV = 0.216011 | VoV = 0.001481 ] [SYS][ GML = 0.049065 | AML = 1.777609 | MoV = 0.002407 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.6080099940299988
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.33 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5166 | LCC = 0.6230 | SRCC = 0.5856 ] [SYS][ MSE = 0.0190 | LCC = 0.9798 | SRCC = 0.9214 ]
[Valid(teacher)][60][UTT][ GML = 0.244296 | AML = 0.471659 | MoV = 0.214397 | VoV = 0.001405 ] [SYS][ GML = 0.096808 | AML = 2.282809 | MoV = 0.002384 | 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 contiguo
us 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 [00:25<00:00, 153.99 step/s]

[Test(best)][61][UTT][ MSE = 0.6745 | LCC = 0.6687 | SRCC = 0.6345 ] [SYS][ MSE = 0.2640 | LCC = 0.9808 | SRCC = 0.9610 ]
[Test(best)][61][UTT][ GML = 0.263890 | AML = 0.386725 | MoV = 0.390486 | VoV = 0.004099 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003248 | VoV = 0.000005 ]
Test(last): 100% 4000/4000 [00:24<00:00, 161.06 step/s]

[Test(last)][61][UTT][ MSE = 0.4849 | LCC = 0.6546 | SRCC = 0.6241 ] [SYS][ MSE = 0.0159 | LCC = 0.9825 | SRCC = 0.9521 ]
[Test(last)][61][UTT][ GML = 0.264483 | AML = 0.482699 | MoV = 0.213834 | VoV = 0.001417 ] [SYS][ GML = 0.117828 | AML = 3.058138 | MoV = 0.001742 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node053 ProMOSNet]$ client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-MBA ProMOSNet %
```