```
(lxygpu) [x_xlian@node035 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0 --save_path "runs/c1-t0/run6"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:35<00:00, 104.74it/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 [01:46<00:00, 28.05it/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 [02:35<00:00, 25.81it/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 [03:34<00:00,  3.94 step/s]
Average loss=160.98687744140625
Valid(teacher): 100% 3000/3000 [00:16<00:00, 182.48 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.6732 | LCC = 0.5019 | SRCC = 0.4712 ] [SYS][ MSE = 1.4520 | LCC = 0.8656 | SRCC = 0.8256 ]
[Valid(teacher)][0][UTT][ GML = 0.156461 | AML = 0.237012 | MoV = 0.772261 | VoV = 0.010403 ] [SYS][ GML = 0.000000 | AML = 0.000005 | MoV = 0.008992 | VoV = 0.000057 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.4133213758468628
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.14 step/s]

[Valid(teacher)][1][UTT][ MSE = 2.2637 | LCC = 0.5432 | SRCC = 0.5093 ] [SYS][ MSE = 1.9306 | LCC = 0.9217 | SRCC = 0.8537 ]
[Valid(teacher)][1][UTT][ GML = 0.032143 | AML = 0.170153 | MoV = 0.406091 | VoV = 0.009370 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004993 | VoV = 0.000026 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=0.35221293568611145
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.50 step/s]

[Valid(teacher)][2][UTT][ MSE = 2.2541 | LCC = 0.5824 | SRCC = 0.5461 ] [SYS][ MSE = 1.8956 | LCC = 0.9354 | SRCC = 0.8687 ]
[Valid(teacher)][2][UTT][ GML = 0.020914 | AML = 0.160578 | MoV = 0.365892 | VoV = 0.010049 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004497 | VoV = 0.000022 ]
Train: 100% 845/845 [03:29<00:00,  4.04 step/s]
Average loss=0.324472576379776
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.61 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.8682 | LCC = 0.6031 | SRCC = 0.5637 ] [SYS][ MSE = 1.4852 | LCC = 0.9495 | SRCC = 0.8899 ]
[Valid(teacher)][3][UTT][ GML = 0.041771 | AML = 0.196507 | MoV = 0.382853 | VoV = 0.009855 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004625 | VoV = 0.000020 ]
Train: 100% 845/845 [03:27<00:00,  4.07 step/s]
Average loss=0.2874906659126282
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.91 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.6729 | LCC = 0.6116 | SRCC = 0.5692 ] [SYS][ MSE = 1.2971 | LCC = 0.9571 | SRCC = 0.9091 ]
[Valid(teacher)][4][UTT][ GML = 0.064971 | AML = 0.219628 | MoV = 0.400839 | VoV = 0.008688 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004796 | VoV = 0.000020 ]
Train: 100% 845/845 [03:31<00:00,  4.00 step/s]
Average loss=0.2729283571243286
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.42 step/s]

[Valid(teacher)][5][UTT][ MSE = 1.6920 | LCC = 0.6143 | SRCC = 0.5718 ] [SYS][ MSE = 1.3173 | LCC = 0.9600 | SRCC = 0.9084 ]
[Valid(teacher)][5][UTT][ GML = 0.063817 | AML = 0.217262 | MoV = 0.397700 | VoV = 0.008225 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004754 | VoV = 0.000019 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.2593628764152527
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.35 step/s]

[Valid(teacher)][6][UTT][ MSE = 1.5629 | LCC = 0.6176 | SRCC = 0.5762 ] [SYS][ MSE = 1.1869 | LCC = 0.9634 | SRCC = 0.9111 ]
[Valid(teacher)][6][UTT][ GML = 0.081005 | AML = 0.234215 | MoV = 0.404885 | VoV = 0.007465 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004810 | VoV = 0.000019 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.2473170906305313
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.26 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.4079 | LCC = 0.6220 | SRCC = 0.5837 ] [SYS][ MSE = 1.0297 | LCC = 0.9653 | SRCC = 0.9138 ]
[Valid(teacher)][7][UTT][ GML = 0.104525 | AML = 0.255721 | MoV = 0.410765 | VoV = 0.006445 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004840 | VoV = 0.000018 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.2315812110900879
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.54 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.2737 | LCC = 0.6237 | SRCC = 0.5877 ] [SYS][ MSE = 0.8896 | LCC = 0.9660 | SRCC = 0.9138 ]
[Valid(teacher)][8][UTT][ GML = 0.128052 | AML = 0.275634 | MoV = 0.415103 | VoV = 0.005440 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004852 | VoV = 0.000017 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.220188170671463
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.60 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.1585 | LCC = 0.6257 | SRCC = 0.5923 ] [SYS][ MSE = 0.7676 | LCC = 0.9665 | SRCC = 0.9173 ]
[Valid(teacher)][9][UTT][ GML = 0.148085 | AML = 0.293613 | MoV = 0.412609 | VoV = 0.004855 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004795 | VoV = 0.000016 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.20942345261573792
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.22 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.1719 | LCC = 0.6249 | SRCC = 0.5943 ] [SYS][ MSE = 0.7780 | LCC = 0.9666 | SRCC = 0.9214 ]
[Valid(teacher)][10][UTT][ GML = 0.143132 | AML = 0.292421 | MoV = 0.404132 | VoV = 0.004661 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004700 | VoV = 0.000015 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.20178867876529694
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.50 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.1086 | LCC = 0.6264 | SRCC = 0.5978 ] [SYS][ MSE = 0.7103 | LCC = 0.9668 | SRCC = 0.9282 ]
[Valid(teacher)][11][UTT][ GML = 0.154181 | AML = 0.302649 | MoV = 0.400199 | VoV = 0.004141 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004630 | VoV = 0.000014 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.20172867876529694
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.58 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.0478 | LCC = 0.6282 | SRCC = 0.6005 ] [SYS][ MSE = 0.6426 | LCC = 0.9674 | SRCC = 0.9200 ]
[Valid(teacher)][12][UTT][ GML = 0.163437 | AML = 0.313207 | MoV = 0.393395 | VoV = 0.004067 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004536 | VoV = 0.000013 ]
Train: 100% 845/845 [03:31<00:00,  4.00 step/s]
Average loss=0.1877150982618332
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.58 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.9935 | LCC = 0.6300 | SRCC = 0.6028 ] [SYS][ MSE = 0.5839 | LCC = 0.9682 | SRCC = 0.9275 ]
[Valid(teacher)][13][UTT][ GML = 0.172238 | AML = 0.323080 | MoV = 0.386438 | VoV = 0.003951 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004439 | VoV = 0.000012 ]
Train: 100% 845/845 [03:29<00:00,  4.02 step/s]
Average loss=0.18080104887485504
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.64 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.9409 | LCC = 0.6314 | SRCC = 0.6041 ] [SYS][ MSE = 0.5284 | LCC = 0.9704 | SRCC = 0.9323 ]
[Valid(teacher)][14][UTT][ GML = 0.182388 | AML = 0.333159 | MoV = 0.381007 | VoV = 0.003864 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004371 | VoV = 0.000012 ]
Train: 100% 845/845 [03:30<00:00,  4.02 step/s]
Average loss=0.16781839728355408
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.96 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.9177 | LCC = 0.6322 | SRCC = 0.6053 ] [SYS][ MSE = 0.5005 | LCC = 0.9722 | SRCC = 0.9344 ]
[Valid(teacher)][15][UTT][ GML = 0.184554 | AML = 0.338005 | MoV = 0.372422 | VoV = 0.003680 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004268 | VoV = 0.000011 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.15950122475624084
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.84 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.8850 | LCC = 0.6328 | SRCC = 0.6048 ] [SYS][ MSE = 0.4624 | LCC = 0.9739 | SRCC = 0.9371 ]
[Valid(teacher)][16][UTT][ GML = 0.190136 | AML = 0.344612 | MoV = 0.366686 | VoV = 0.003654 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004192 | VoV = 0.000010 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.15150420367717743
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.60 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.8102 | LCC = 0.6365 | SRCC = 0.6067 ] [SYS][ MSE = 0.3820 | LCC = 0.9757 | SRCC = 0.9371 ]
[Valid(teacher)][17][UTT][ GML = 0.208159 | AML = 0.360210 | MoV = 0.361116 | VoV = 0.003595 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004106 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=0.1443044841289520
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.53 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.8489 | LCC = 0.6345 | SRCC = 0.6055 ] [SYS][ MSE = 0.4220 | LCC = 0.9757 | SRCC = 0.9337 ]
[Valid(teacher)][18][UTT][ GML = 0.192835 | AML = 0.353682 | MoV = 0.352183 | VoV = 0.003671 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004024 | VoV = 0.000009 ]
Train: 100% 845/845 [03:29<00:00,  4.03 step/s]
Average loss=0.13472528755664825
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.71 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.8345 | LCC = 0.6334 | SRCC = 0.6045 ] [SYS][ MSE = 0.4047 | LCC = 0.9761 | SRCC = 0.9296 ]
[Valid(teacher)][19][UTT][ GML = 0.195115 | AML = 0.357325 | MoV = 0.347763 | VoV = 0.003444 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003965 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
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Average loss=0.1257842630147934
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.46 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.7831 | LCC = 0.6368 | SRCC = 0.6060 ] [SYS][ MSE = 0.3487 | LCC = 0.9780 | SRCC = 0.9296 ]
[Valid(teacher)][20][UTT][ GML = 0.207544 | AML = 0.368343 | MoV = 0.343124 | VoV = 0.003507 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.003900 | VoV = 0.000008 ]
Train: 100% 845/845 [03:31<00:00,  3.99 step/s]
Average loss=0.1143729812145233
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.81 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.7946 | LCC = 0.6346 | SRCC = 0.6030 ] [SYS][ MSE = 0.3564 | LCC = 0.9783 | SRCC = 0.9262 ]
[Valid(teacher)][21][UTT][ GML = 0.199629 | AML = 0.367119 | MoV = 0.335736 | VoV = 0.003569 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003828 | VoV = 0.000008 ]
Train: 100% 845/845 [03:31<00:00,  4.00 step/s]
Average loss=0.1039040647000122
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.43 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.7528 | LCC = 0.6351 | SRCC = 0.6022 ] [SYS][ MSE = 0.3061 | LCC = 0.9790 | SRCC = 0.9262 ]
[Valid(teacher)][22][UTT][ GML = 0.209702 | AML = 0.376933 | MoV = 0.330031 | VoV = 0.003448 ] [SYS][ GML = 0.000000 | AML = 0.000017 | MoV = 0.003751 | VoV = 0.000008 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.09970952570438385
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.60 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.7663 | LCC = 0.6346 | SRCC = 0.6014 ] [SYS][ MSE = 0.3196 | LCC = 0.9795 | SRCC = 0.9275 ]
[Valid(teacher)][23][UTT][ GML = 0.201526 | AML = 0.374977 | MoV = 0.322578 | VoV = 0.003443 ] [SYS][ GML = 0.000000 | AML = 0.000003 | MoV = 0.003671 | VoV = 0.000008 ]
Train: 100% 845/845 [03:29<00:00,  4.03 step/s]
Average loss=0.08548425137996674
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.11 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.7334 | LCC = 0.6352 | SRCC = 0.6008 ] [SYS][ MSE = 0.2805 | LCC = 0.9811 | SRCC = 0.9303 ]
[Valid(teacher)][24][UTT][ GML = 0.209829 | AML = 0.383593 | MoV = 0.317813 | VoV = 0.003403 ] [SYS][ GML = 0.000000 | AML = 0.000019 | MoV = 0.003606 | VoV = 0.000007 ]
Train: 100% 845/845 [03:27<00:00,  4.07 step/s]
Average loss=0.0818386971950531
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.22 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.7183 | LCC = 0.6371 | SRCC = 0.6021 ] [SYS][ MSE = 0.2634 | LCC = 0.9817 | SRCC = 0.9330 ]
[Valid(teacher)][25][UTT][ GML = 0.212507 | AML = 0.388043 | MoV = 0.313384 | VoV = 0.003325 ] [SYS][ GML = 0.000000 | AML = 0.000045 | MoV = 0.003545 | VoV = 0.000007 ]
Train: 100% 845/845 [03:26<00:00,  4.08 step/s]
Average loss=0.06306633353233337
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.94 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.7303 | LCC = 0.6360 | SRCC = 0.6010 ] [SYS][ MSE = 0.2735 | LCC = 0.9823 | SRCC = 0.9364 ]
[Valid(teacher)][26][UTT][ GML = 0.203624 | AML = 0.386798 | MoV = 0.305615 | VoV = 0.003341 ] [SYS][ GML = 0.000000 | AML = 0.000009 | MoV = 0.003456 | VoV = 0.000006 ]
Train: 100% 845/845 [03:28<00:00,  4.06 step/s]
Average loss=0.05457799881696701
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.98 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.6918 | LCC = 0.6384 | SRCC = 0.6024 ] [SYS][ MSE = 0.2341 | LCC = 0.9831 | SRCC = 0.9405 ]
[Valid(teacher)][27][UTT][ GML = 0.213854 | AML = 0.396845 | MoV = 0.301080 | VoV = 0.003486 ] [SYS][ GML = 0.000000 | AML = 0.000074 | MoV = 0.003393 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.04982686787843704
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.53 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.6703 | LCC = 0.6388 | SRCC = 0.6029 ] [SYS][ MSE = 0.2103 | LCC = 0.9838 | SRCC = 0.9439 ]
[Valid(teacher)][28][UTT][ GML = 0.219110 | AML = 0.402825 | MoV = 0.297106 | VoV = 0.003435 ] [SYS][ GML = 0.000000 | AML = 0.000459 | MoV = 0.003345 | VoV = 0.000006 ]
Train: 100% 845/845 [03:27<00:00,  4.07 step/s]
Average loss=0.040997739881277084
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.69 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.6747 | LCC = 0.6385 | SRCC = 0.6022 ] [SYS][ MSE = 0.2103 | LCC = 0.9841 | SRCC = 0.9474 ]
[Valid(teacher)][29][UTT][ GML = 0.212721 | AML = 0.403202 | MoV = 0.291211 | VoV = 0.003446 ] [SYS][ GML = 0.000000 | AML = 0.000383 | MoV = 0.003275 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=0.026097796857357025
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.41 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.7163 | LCC = 0.6356 | SRCC = 0.5994 ] [SYS][ MSE = 0.2529 | LCC = 0.9831 | SRCC = 0.9453 ]
[Valid(teacher)][30][UTT][ GML = 0.192116 | AML = 0.394220 | MoV = 0.283350 | VoV = 0.003438 ] [SYS][ GML = 0.000000 | AML = 0.000007 | MoV = 0.003195 | VoV = 0.000005 ]
Train: 100% 845/845 [03:27<00:00,  4.06 step/s]
Average loss=0.015912868082523346
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.34 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.7042 | LCC = 0.6358 | SRCC = 0.5996 ] [SYS][ MSE = 0.2397 | LCC = 0.9836 | SRCC = 0.9494 ]
[Valid(teacher)][31][UTT][ GML = 0.194832 | AML = 0.397227 | MoV = 0.279226 | VoV = 0.003184 ] [SYS][ GML = 0.000000 | AML = 0.000009 | MoV = 0.003147 | VoV = 0.000005 ]
Train: 100% 845/845 [03:29<00:00,  4.04 step/s]
Average loss=0.012037884443998337
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.09 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.6415 | LCC = 0.6403 | SRCC = 0.6028 ] [SYS][ MSE = 0.1756 | LCC = 0.9843 | SRCC = 0.9480 ]
[Valid(teacher)][32][UTT][ GML = 0.217769 | AML = 0.413768 | MoV = 0.276270 | VoV = 0.003117 ] [SYS][ GML = 0.000000 | AML = 0.001056 | MoV = 0.003097 | VoV = 0.000005 ]
Train: 100% 845/845 [03:28<00:00,  4.06 step/s]
Average loss=0.0013521586079150438
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.34 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.6293 | LCC = 0.6400 | SRCC = 0.6026 ] [SYS][ MSE = 0.1634 | LCC = 0.9844 | SRCC = 0.9515 ]
[Valid(teacher)][33][UTT][ GML = 0.221506 | AML = 0.417659 | MoV = 0.272410 | VoV = 0.002937 ] [SYS][ GML = 0.000000 | AML = 0.001443 | MoV = 0.003053 | VoV = 0.000005 ]
Train: 100% 845/845 [03:28<00:00,  4.05 step/s]
Average loss=-0.0036675978917628527
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.49 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.6202 | LCC = 0.6399 | SRCC = 0.6018 ] [SYS][ MSE = 0.1537 | LCC = 0.9851 | SRCC = 0.9556 ]
[Valid(teacher)][34][UTT][ GML = 0.221399 | AML = 0.421485 | MoV = 0.267336 | VoV = 0.002926 ] [SYS][ GML = 0.000000 | AML = 0.001801 | MoV = 0.003006 | VoV = 0.000005 ]
Train: 100% 845/845 [03:28<00:00,  4.05 step/s]
Average loss=-0.011000458151102066
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.25 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.6468 | LCC = 0.6356 | SRCC = 0.5975 ] [SYS][ MSE = 0.1759 | LCC = 0.9847 | SRCC = 0.9467 ]
[Valid(teacher)][35][UTT][ GML = 0.204511 | AML = 0.416633 | MoV = 0.261598 | VoV = 0.002946 ] [SYS][ GML = 0.000000 | AML = 0.000260 | MoV = 0.002942 | VoV = 0.000005 ]
Train: 100% 845/845 [03:28<00:00,  4.04 step/s]
Average loss=-0.018225502222776413
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.55 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.6185 | LCC = 0.6401 | SRCC = 0.6014 ] [SYS][ MSE = 0.1506 | LCC = 0.9853 | SRCC = 0.9494 ]
[Valid(teacher)][36][UTT][ GML = 0.214496 | AML = 0.424737 | MoV = 0.258694 | VoV = 0.002907 ] [SYS][ GML = 0.000000 | AML = 0.001938 | MoV = 0.002900 | VoV = 0.000004 ]
Train: 100% 845/845 [03:28<00:00,  4.04 step/s]
Average loss=-0.02735983021557331
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.77 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.6060 | LCC = 0.6413 | SRCC = 0.6028 ] [SYS][ MSE = 0.1392 | LCC = 0.9855 | SRCC = 0.9515 ]
[Valid(teacher)][37][UTT][ GML = 0.218215 | AML = 0.428702 | MoV = 0.254519 | VoV = 0.002801 ] [SYS][ GML = 0.000000 | AML = 0.002577 | MoV = 0.002854 | VoV = 0.000004 ]
Train: 100% 845/845 [03:31<00:00,  4.00 step/s]
Average loss=-0.038664281368255615
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.35 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.6008 | LCC = 0.6453 | SRCC = 0.6077 ] [SYS][ MSE = 0.1398 | LCC = 0.9866 | SRCC = 0.9515 ]
[Valid(teacher)][38][UTT][ GML = 0.218150 | AML = 0.430794 | MoV = 0.250359 | VoV = 0.002728 ] [SYS][ GML = 0.000000 | AML = 0.001566 | MoV = 0.002798 | VoV = 0.000004 ]
Train: 100% 845/845 [03:29<00:00,  4.02 step/s]
Average loss=-0.0421955502036095
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.51 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5884 | LCC = 0.6446 | SRCC = 0.6070 ] [SYS][ MSE = 0.1268 | LCC = 0.9869 | SRCC = 0.9535 ]
[Valid(teacher)][39][UTT][ GML = 0.223356 | AML = 0.434530 | MoV = 0.248938 | VoV = 0.002712 ] [SYS][ GML = 0.000000 | AML = 0.005422 | MoV = 0.002777 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.0545239412944603
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.25 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5926 | LCC = 0.6426 | SRCC = 0.6049 ] [SYS][ MSE = 0.1299 | LCC = 0.9867 | SRCC = 0.9535 ]
[Valid(teacher)][40][UTT][ GML = 0.218540 | AML = 0.434137 | MoV = 0.244832 | VoV = 0.002676 ] [SYS][ GML = 0.000000 | AML = 0.003522 | MoV = 0.002735 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.05951967090368271
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.19 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5727 | LCC = 0.6433 | SRCC = 0.6056 ] [SYS][ MSE = 0.1097 | LCC = 0.9871 | SRCC = 0.9535 ]
[Valid(teacher)][41][UTT][ GML = 0.227833 | AML = 0.440460 | MoV = 0.242372 | VoV = 0.002550 ] [SYS][ GML = 0.000000 | AML = 0.017103 | MoV = 0.002706 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.0658668801188469
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.95 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5479 | LCC = 0.6450 | SRCC = 0.6076 ] [SYS][ MSE = 0.0881 | LCC = 0.9874 | SRCC = 0.9542 ]
[Valid(teacher)][42][UTT][ GML = 0.241233 | AML = 0.447953 | MoV = 0.241014 | VoV = 0.002388 ] [SYS][ GML = 0.000000 | AML = 0.092688 | MoV = 0.002685 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.0780343040823936
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.62 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5542 | LCC = 0.6436 | SRCC = 0.6062 ] [SYS][ MSE = 0.0931 | LCC = 0.9873 | SRCC = 0.9487 ]
[Valid(teacher)][43][UTT][ GML = 0.234072 | AML = 0.447385 | MoV = 0.236654 | VoV = 0.002348 ] [SYS][ GML = 0.000000 | AML = 0.047670 | MoV = 0.002640 | VoV = 0.000003 ]
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Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.08270686864852905
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.61 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5393 | LCC = 0.6447 | SRCC = 0.6072 ] [SYS][ MSE = 0.0804 | LCC = 0.9874 | SRCC = 0.9501 ]
[Valid(teacher)][44][UTT][ GML = 0.241339 | AML = 0.452209 | MoV = 0.234831 | VoV = 0.002321 ] [SYS][ GML = 0.000000 | AML = 0.105887 | MoV = 0.002612 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.08683902025222778
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.41 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5275 | LCC = 0.6436 | SRCC = 0.6062 ] [SYS][ MSE = 0.0673 | LCC = 0.9864 | SRCC = 0.9501 ]
[Valid(teacher)][45][UTT][ GML = 0.248294 | AML = 0.456038 | MoV = 0.233340 | VoV = 0.002260 ] [SYS][ GML = 0.000001 | AML = 0.484291 | MoV = 0.002593 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.0941806510090828
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.67 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5357 | LCC = 0.6421 | SRCC = 0.6054 ] [SYS][ MSE = 0.0713 | LCC = 0.9874 | SRCC = 0.9556 ]
[Valid(teacher)][46][UTT][ GML = 0.238935 | AML = 0.453924 | MoV = 0.230026 | VoV = 0.002329 ] [SYS][ GML = 0.000000 | AML = 0.275922 | MoV = 0.002554 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.09940309077501297
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.21 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5175 | LCC = 0.6426 | SRCC = 0.6061 ] [SYS][ MSE = 0.0565 | LCC = 0.9874 | SRCC = 0.9494 ]
[Valid(teacher)][47][UTT][ GML = 0.251529 | AML = 0.458550 | MoV = 0.230087 | VoV = 0.002194 ] [SYS][ GML = 0.000017 | AML = 0.547003 | MoV = 0.002550 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.10726270824670792
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.25 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5194 | LCC = 0.6427 | SRCC = 0.6062 ] [SYS][ MSE = 0.0604 | LCC = 0.9878 | SRCC = 0.9474 ]
[Valid(teacher)][48][UTT][ GML = 0.248630 | AML = 0.458647 | MoV = 0.227057 | VoV = 0.002124 ] [SYS][ GML = 0.000006 | AML = 0.310916 | MoV = 0.002519 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.11567951738834381
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.18 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5294 | LCC = 0.6438 | SRCC = 0.6069 ] [SYS][ MSE = 0.0746 | LCC = 0.9879 | SRCC = 0.9528 ]
[Valid(teacher)][49][UTT][ GML = 0.240071 | AML = 0.456080 | MoV = 0.224036 | VoV = 0.002113 ] [SYS][ GML = 0.000000 | AML = 0.077072 | MoV = 0.002493 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.12596751749515533
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.87 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5562 | LCC = 0.6411 | SRCC = 0.6034 ] [SYS][ MSE = 0.0969 | LCC = 0.9882 | SRCC = 0.9508 ]
[Valid(teacher)][50][UTT][ GML = 0.219023 | AML = 0.450036 | MoV = 0.219204 | VoV = 0.002142 ] [SYS][ GML = 0.000000 | AML = 0.008012 | MoV = 0.002449 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.13379241526126862
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.25 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5317 | LCC = 0.6428 | SRCC = 0.6050 ] [SYS][ MSE = 0.0736 | LCC = 0.9883 | SRCC = 0.9508 ]
[Valid(teacher)][51][UTT][ GML = 0.232706 | AML = 0.457881 | MoV = 0.217647 | VoV = 0.002070 ] [SYS][ GML = 0.000000 | AML = 0.091557 | MoV = 0.002422 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.14057038724422455
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.79 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5187 | LCC = 0.6437 | SRCC = 0.6065 ] [SYS][ MSE = 0.0629 | LCC = 0.9879 | SRCC = 0.9480 ]
[Valid(teacher)][52][UTT][ GML = 0.238948 | AML = 0.463020 | MoV = 0.215935 | VoV = 0.002089 ] [SYS][ GML = 0.000002 | AML = 0.245009 | MoV = 0.002401 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.14112816751003265
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.77 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5212 | LCC = 0.6447 | SRCC = 0.6077 ] [SYS][ MSE = 0.0663 | LCC = 0.9882 | SRCC = 0.9474 ]
[Valid(teacher)][53][UTT][ GML = 0.236756 | AML = 0.462236 | MoV = 0.214845 | VoV = 0.002038 ] [SYS][ GML = 0.000001 | AML = 0.155893 | MoV = 0.002389 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.14684611558914185
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.07 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5117 | LCC = 0.6447 | SRCC = 0.6084 ] [SYS][ MSE = 0.0574 | LCC = 0.9882 | SRCC = 0.9460 ]
[Valid(teacher)][54][UTT][ GML = 0.239553 | AML = 0.465931 | MoV = 0.212582 | VoV = 0.002110 ] [SYS][ GML = 0.000009 | AML = 0.367503 | MoV = 0.002360 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.1545933485031128
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.20 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.4999 | LCC = 0.6422 | SRCC = 0.6062 ] [SYS][ MSE = 0.0471 | LCC = 0.9871 | SRCC = 0.9446 ]
[Valid(teacher)][55][UTT][ GML = 0.248635 | AML = 0.469486 | MoV = 0.212209 | VoV = 0.001990 ] [SYS][ GML = 0.000198 | AML = 1.449349 | MoV = 0.002347 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.16435366868972778
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.82 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5046 | LCC = 0.6414 | SRCC = 0.6056 ] [SYS][ MSE = 0.0523 | LCC = 0.9879 | SRCC = 0.9549 ]
[Valid(teacher)][56][UTT][ GML = 0.243731 | AML = 0.468061 | MoV = 0.210776 | VoV = 0.001977 ] [SYS][ GML = 0.000054 | AML = 0.938251 | MoV = 0.002338 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.1699479669325043
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.20 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5018 | LCC = 0.6425 | SRCC = 0.6060 ] [SYS][ MSE = 0.0499 | LCC = 0.9886 | SRCC = 0.9597 ]
[Valid(teacher)][57][UTT][ GML = 0.243111 | AML = 0.469379 | MoV = 0.207409 | VoV = 0.001885 ] [SYS][ GML = 0.000082 | AML = 0.890564 | MoV = 0.002297 | VoV = 0.000002 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.16949112713336945
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.18 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4967 | LCC = 0.6425 | SRCC = 0.6059 ] [SYS][ MSE = 0.0459 | LCC = 0.9888 | SRCC = 0.9617 ]
[Valid(teacher)][58][UTT][ GML = 0.245098 | AML = 0.471231 | MoV = 0.206095 | VoV = 0.001864 ] [SYS][ GML = 0.000251 | AML = 1.252020 | MoV = 0.002281 | VoV = 0.000002 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.1762876957654953
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.71 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4899 | LCC = 0.6427 | SRCC = 0.6073 ] [SYS][ MSE = 0.0400 | LCC = 0.9884 | SRCC = 0.9631 ]
[Valid(teacher)][59][UTT][ GML = 0.247965 | AML = 0.474043 | MoV = 0.204036 | VoV = 0.001814 ] [SYS][ GML = 0.001251 | AML = 2.036385 | MoV = 0.002263 | VoV = 0.000002 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.18135268986225128
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.70 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5000 | LCC = 0.6416 | SRCC = 0.6061 ] [SYS][ MSE = 0.0482 | LCC = 0.9881 | SRCC = 0.9617 ]
[Valid(teacher)][60][UTT][ GML = 0.239346 | AML = 0.471192 | MoV = 0.202930 | VoV = 0.001882 ] [SYS][ GML = 0.000112 | AML = 1.132824 | MoV = 0.002255 | VoV = 0.000002 ]
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 [00:20<00:00, 192.13 step/s]

[Test(best)][61][UTT][ MSE = 0.5886 | LCC = 0.6454 | SRCC = 0.6072 ] [SYS][ MSE = 0.1271 | LCC = 0.9826 | SRCC = 0.9665 ]
[Test(best)][61][UTT][ GML = 0.227538 | AML = 0.437752 | MoV = 0.252171 | VoV = 0.002645 ] [SYS][ GML = 0.000000 | AML = 0.007653 | MoV = 0.002053 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:20<00:00, 196.39 step/s]

[Test(last)][61][UTT][ MSE = 0.5080 | LCC = 0.6335 | SRCC = 0.5956 ] [SYS][ MSE = 0.0436 | LCC = 0.9822 | SRCC = 0.9672 ]
[Test(last)][61][UTT][ GML = 0.238769 | AML = 0.473287 | MoV = 0.203983 | VoV = 0.001814 ] [SYS][ GML = 0.000077 | AML = 1.321513 | MoV = 0.001650 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node035 ProMOSNet]$ client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-MBA ProMOSNet %
```