```
(lxygpu) [x_xlian@node050 ProMOSNet]$ python train.py --lamb_c=0 --lamb_t=0.5 --save_path "runs/c0-t5e-1/run3"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:47<00:00, 115.64it/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 [01:56<00:00, 25.79it/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 [02:42<00:00, 24.63it/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 [04:38<00:00,  3.04 step/s]
Average loss=7604.462890625
Valid(teacher): 100% 3000/3000 [00:20<00:00, 145.42 step/s]

[Valid(teacher)][0][UTT][ MSE = 3.2382 | LCC = 0.4990 | SRCC = 0.4753 ] [SYS][ MSE = 3.0451 | LCC = 0.8353 | SRCC = 0.8352 ]
[Valid(teacher)][0][UTT][ GML = 0.003422 | AML = 0.101533 | MoV = 0.353607 | VoV = 0.012376 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004247 | VoV = 0.000018 ]
Train: 100% 845/845 [04:39<00:00,  3.02 step/s]
Average loss=0.3574316203594208
Valid(teacher): 100% 3000/3000 [00:21<00:00, 142.01 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.6966 | LCC = 0.5668 | SRCC = 0.5249 ] [SYS][ MSE = 1.3229 | LCC = 0.9141 | SRCC = 0.8441 ]
[Valid(teacher)][1][UTT][ GML = 0.052507 | AML = 0.220717 | MoV = 0.392967 | VoV = 0.009574 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004687 | VoV = 0.000019 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.2973102331161499
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.13 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.7541 | LCC = 0.5947 | SRCC = 0.5509 ] [SYS][ MSE = 0.3332 | LCC = 0.9309 | SRCC = 0.8448 ]
[Valid(teacher)][2][UTT][ GML = 0.249701 | AML = 0.353104 | MoV = 0.478666 | VoV = 0.007443 ] [SYS][ GML = 0.000000 | AML = 0.310199 | MoV = 0.005541 | VoV = 0.000020 ]
Train: 100% 845/845 [03:52<00:00,  3.63 step/s]
Average loss=0.26018697023391724
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.26 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.7377 | LCC = 0.6152 | SRCC = 0.5736 ] [SYS][ MSE = 0.3376 | LCC = 0.9482 | SRCC = 0.8660 ]
[Valid(teacher)][3][UTT][ GML = 0.256731 | AML = 0.359577 | MoV = 0.461402 | VoV = 0.006530 ] [SYS][ GML = 0.000000 | AML = 0.020747 | MoV = 0.005298 | VoV = 0.000017 ]
Train: 100% 845/845 [04:18<00:00,  3.27 step/s]
Average loss=0.22934676706790924
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.94 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.9143 | LCC = 0.6206 | SRCC = 0.5841 ] [SYS][ MSE = 0.5166 | LCC = 0.9536 | SRCC = 0.8851 ]
[Valid(teacher)][4][UTT][ GML = 0.199035 | AML = 0.333909 | MoV = 0.424859 | VoV = 0.006078 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004894 | VoV = 0.000015 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.20627686381340027
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.22 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.8870 | LCC = 0.6269 | SRCC = 0.5901 ] [SYS][ MSE = 0.4929 | LCC = 0.9574 | SRCC = 0.9029 ]
[Valid(teacher)][5][UTT][ GML = 0.207003 | AML = 0.338222 | MoV = 0.426711 | VoV = 0.006163 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004924 | VoV = 0.000016 ]
Train: 100% 845/845 [06:23<00:00,  2.20 step/s]
Average loss=0.19199463725090027
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.51 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.8113 | LCC = 0.6347 | SRCC = 0.5986 ] [SYS][ MSE = 0.4146 | LCC = 0.9607 | SRCC = 0.8995 ]
[Valid(teacher)][6][UTT][ GML = 0.229769 | AML = 0.351094 | MoV = 0.430418 | VoV = 0.005484 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004925 | VoV = 0.000014 ]
Train: 100% 845/845 [03:39<00:00,  3.85 step/s]
Average loss=0.169871985912323
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.51 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.8076 | LCC = 0.6374 | SRCC = 0.6030 ] [SYS][ MSE = 0.4098 | LCC = 0.9634 | SRCC = 0.9043 ]
[Valid(teacher)][7][UTT][ GML = 0.230672 | AML = 0.352747 | MoV = 0.424250 | VoV = 0.005038 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004845 | VoV = 0.000014 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.1480659693479538
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.37 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.8197 | LCC = 0.6405 | SRCC = 0.6079 ] [SYS][ MSE = 0.4201 | LCC = 0.9655 | SRCC = 0.8968 ]
[Valid(teacher)][8][UTT][ GML = 0.225693 | AML = 0.351194 | MoV = 0.414794 | VoV = 0.004490 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004742 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.13123144209384918
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.76 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.0189 | LCC = 0.6354 | SRCC = 0.6071 ] [SYS][ MSE = 0.6319 | LCC = 0.9647 | SRCC = 0.8968 ]
[Valid(teacher)][9][UTT][ GML = 0.171124 | AML = 0.317302 | MoV = 0.396746 | VoV = 0.004475 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004598 | VoV = 0.000014 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=0.11394769698381424
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.46 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.1401 | LCC = 0.6330 | SRCC = 0.6067 ] [SYS][ MSE = 0.7612 | LCC = 0.9656 | SRCC = 0.9104 ]
[Valid(teacher)][10][UTT][ GML = 0.142847 | AML = 0.297785 | MoV = 0.385234 | VoV = 0.004421 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004494 | VoV = 0.000014 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.09683942049741745
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.43 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.1673 | LCC = 0.6340 | SRCC = 0.6084 ] [SYS][ MSE = 0.7918 | LCC = 0.9665 | SRCC = 0.9036 ]
[Valid(teacher)][11][UTT][ GML = 0.135920 | AML = 0.293383 | MoV = 0.378832 | VoV = 0.004133 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004438 | VoV = 0.000014 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.0820201113820076
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.31 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.0877 | LCC = 0.6351 | SRCC = 0.6093 ] [SYS][ MSE = 0.7092 | LCC = 0.9686 | SRCC = 0.9125 ]
[Valid(teacher)][12][UTT][ GML = 0.151084 | AML = 0.306821 | MoV = 0.375388 | VoV = 0.003716 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004389 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.0638151615858078
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.48 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.0385 | LCC = 0.6355 | SRCC = 0.6097 ] [SYS][ MSE = 0.6584 | LCC = 0.9703 | SRCC = 0.9289 ]
[Valid(teacher)][13][UTT][ GML = 0.159273 | AML = 0.316172 | MoV = 0.369359 | VoV = 0.003642 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004325 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=0.05137956514954567
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.35 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.9918 | LCC = 0.6360 | SRCC = 0.6105 ] [SYS][ MSE = 0.6085 | LCC = 0.9716 | SRCC = 0.9275 ]
[Valid(teacher)][14][UTT][ GML = 0.169194 | AML = 0.324955 | MoV = 0.367264 | VoV = 0.003512 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004296 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.0315544568002224
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.38 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.9821 | LCC = 0.6345 | SRCC = 0.6080 ] [SYS][ MSE = 0.5944 | LCC = 0.9727 | SRCC = 0.9350 ]
[Valid(teacher)][15][UTT][ GML = 0.169045 | AML = 0.327525 | MoV = 0.361914 | VoV = 0.003357 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004232 | VoV = 0.000012 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.01674145646393299
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.79 step/s]

[Valid(teacher)][16][UTT][ MSE = 1.0303 | LCC = 0.6334 | SRCC = 0.6069 ] [SYS][ MSE = 0.6432 | LCC = 0.9724 | SRCC = 0.9364 ]
[Valid(teacher)][16][UTT][ GML = 0.153132 | AML = 0.319814 | MoV = 0.350919 | VoV = 0.003214 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004115 | VoV = 0.000012 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.0010279205162078142
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.18 step/s]

[Valid(teacher)][17][UTT][ MSE = 1.0169 | LCC = 0.6294 | SRCC = 0.6038 ] [SYS][ MSE = 0.6227 | LCC = 0.9728 | SRCC = 0.9364 ]
[Valid(teacher)][17][UTT][ GML = 0.152805 | AML = 0.323235 | MoV = 0.343094 | VoV = 0.002954 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004008 | VoV = 0.000011 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.011107397265732288
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.54 step/s]

[Valid(teacher)][18][UTT][ MSE = 1.0211 | LCC = 0.6280 | SRCC = 0.6026 ] [SYS][ MSE = 0.6248 | LCC = 0.9733 | SRCC = 0.9330 ]
[Valid(teacher)][18][UTT][ GML = 0.149413 | AML = 0.323128 | MoV = 0.338550 | VoV = 0.003018 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003958 | VoV = 0.000011 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.02301235124688034
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.63 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.9859 | LCC = 0.6269 | SRCC = 0.6010 ] [SYS][ MSE = 0.5783 | LCC = 0.9742 | SRCC = 0.9337 ]
[Valid(teacher)][19][UTT][ GML = 0.153902 | AML = 0.330521 | MoV = 0.333490 | VoV = 0.003173 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003898 | VoV = 0.000010 ]
Train: 100% 845/845 [03:51<00:00,  3.66 step/s]
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Average loss=-0.04349314793944359
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.32 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.9513 | LCC = 0.6262 | SRCC = 0.5994 ] [SYS][ MSE = 0.5312 | LCC = 0.9756 | SRCC = 0.9405 ]
[Valid(teacher)][20][UTT][ GML = 0.158417 | AML = 0.338056 | MoV = 0.327708 | VoV = 0.003266 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003826 | VoV = 0.000010 ]
Train: 100% 845/845 [04:08<00:00,  3.39 step/s]
Average loss=-0.0588741451501846
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.50 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.9256 | LCC = 0.6242 | SRCC = 0.5960 ] [SYS][ MSE = 0.4963 | LCC = 0.9764 | SRCC = 0.9426 ]
[Valid(teacher)][21][UTT][ GML = 0.163772 | AML = 0.343584 | MoV = 0.325820 | VoV = 0.003094 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003802 | VoV = 0.000010 ]
Train: 100% 845/845 [04:23<00:00,  3.21 step/s]
Average loss=-0.0706036016345024
Valid(teacher): 100% 3000/3000 [00:23<00:00, 127.62 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.8827 | LCC = 0.6232 | SRCC = 0.5948 ] [SYS][ MSE = 0.4420 | LCC = 0.9772 | SRCC = 0.9391 ]
[Valid(teacher)][22][UTT][ GML = 0.171643 | AML = 0.353214 | MoV = 0.321208 | VoV = 0.003171 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003744 | VoV = 0.000009 ]
Train: 100% 845/845 [06:30<00:00,  2.17 step/s]
Average loss=-0.08746442943811417
Valid(teacher): 100% 3000/3000 [00:20<00:00, 143.59 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.8746 | LCC = 0.6227 | SRCC = 0.5931 ] [SYS][ MSE = 0.4292 | LCC = 0.9778 | SRCC = 0.9391 ]
[Valid(teacher)][23][UTT][ GML = 0.170599 | AML = 0.355557 | MoV = 0.316254 | VoV = 0.003198 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003683 | VoV = 0.000009 ]
Train: 100% 845/845 [05:34<00:00,  2.53 step/s]
Average loss=-0.10382100939750671
Valid(teacher): 100% 3000/3000 [00:43<00:00, 69.25 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.9195 | LCC = 0.6189 | SRCC = 0.5898 ] [SYS][ MSE = 0.4756 | LCC = 0.9773 | SRCC = 0.9378 ]
[Valid(teacher)][24][UTT][ GML = 0.154168 | AML = 0.347479 | MoV = 0.308883 | VoV = 0.003326 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003624 | VoV = 0.000009 ]
Train: 100% 845/845 [05:13<00:00,  2.70 step/s]
Average loss=-0.11945699900388718
Valid(teacher): 100% 3000/3000 [00:16<00:00, 177.62 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.9254 | LCC = 0.6166 | SRCC = 0.5874 ] [SYS][ MSE = 0.4762 | LCC = 0.9771 | SRCC = 0.9426 ]
[Valid(teacher)][25][UTT][ GML = 0.150875 | AML = 0.347361 | MoV = 0.305831 | VoV = 0.003213 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003589 | VoV = 0.000009 ]
Train: 100% 845/845 [04:02<00:00,  3.49 step/s]
Average loss=-0.13239064812660217
Valid(teacher): 100% 3000/3000 [00:15<00:00, 184.23 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.9734 | LCC = 0.6137 | SRCC = 0.5852 ] [SYS][ MSE = 0.5262 | LCC = 0.9770 | SRCC = 0.9391 ]
[Valid(teacher)][26][UTT][ GML = 0.133619 | AML = 0.338521 | MoV = 0.297849 | VoV = 0.003396 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003523 | VoV = 0.000009 ]
Train: 100% 845/845 [03:27<00:00,  4.07 step/s]
Average loss=-0.13649138808250427
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.51 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.9644 | LCC = 0.6143 | SRCC = 0.5857 ] [SYS][ MSE = 0.5159 | LCC = 0.9765 | SRCC = 0.9350 ]
[Valid(teacher)][27][UTT][ GML = 0.134231 | AML = 0.340671 | MoV = 0.295509 | VoV = 0.003319 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003490 | VoV = 0.000009 ]
Train: 100% 845/845 [04:16<00:00,  3.29 step/s]
Average loss=-0.1582147479057312
Valid(teacher): 100% 3000/3000 [00:22<00:00, 135.16 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.9832 | LCC = 0.6124 | SRCC = 0.5845 ] [SYS][ MSE = 0.5333 | LCC = 0.9767 | SRCC = 0.9419 ]
[Valid(teacher)][28][UTT][ GML = 0.124560 | AML = 0.337986 | MoV = 0.286667 | VoV = 0.003226 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003396 | VoV = 0.000009 ]
Train: 100% 845/845 [07:31<00:00,  1.87 step/s]
Average loss=-0.1664053052663803
Valid(teacher): 100% 3000/3000 [00:23<00:00, 127.12 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.9265 | LCC = 0.6132 | SRCC = 0.5823 ] [SYS][ MSE = 0.4729 | LCC = 0.9772 | SRCC = 0.9419 ]
[Valid(teacher)][29][UTT][ GML = 0.137759 | AML = 0.349318 | MoV = 0.286857 | VoV = 0.003199 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003390 | VoV = 0.000008 ]
Train: 100% 845/845 [04:01<00:00,  3.50 step/s]
Average loss=-0.1755456179380417
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.10 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.9382 | LCC = 0.6130 | SRCC = 0.5821 ] [SYS][ MSE = 0.4830 | LCC = 0.9771 | SRCC = 0.9439 ]
[Valid(teacher)][30][UTT][ GML = 0.131153 | AML = 0.347442 | MoV = 0.281897 | VoV = 0.003248 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003333 | VoV = 0.000008 ]
Train: 100% 845/845 [10:27<00:00,  1.35 step/s]
Average loss=-0.19380049407482147
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.79 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.8854 | LCC = 0.6142 | SRCC = 0.5834 ] [SYS][ MSE = 0.4232 | LCC = 0.9775 | SRCC = 0.9398 ]
[Valid(teacher)][31][UTT][ GML = 0.143034 | AML = 0.359173 | MoV = 0.279701 | VoV = 0.003137 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003292 | VoV = 0.000008 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.2047855406999588
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.93 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.9172 | LCC = 0.6115 | SRCC = 0.5819 ] [SYS][ MSE = 0.4554 | LCC = 0.9770 | SRCC = 0.9378 ]
[Valid(teacher)][32][UTT][ GML = 0.132756 | AML = 0.352341 | MoV = 0.275052 | VoV = 0.003014 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003248 | VoV = 0.000008 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.21225450932979584
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.00 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.9000 | LCC = 0.6101 | SRCC = 0.5804 ] [SYS][ MSE = 0.4371 | LCC = 0.9773 | SRCC = 0.9405 ]
[Valid(teacher)][33][UTT][ GML = 0.137161 | AML = 0.356367 | MoV = 0.274508 | VoV = 0.002936 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003240 | VoV = 0.000008 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.22695161402225494
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.04 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.8525 | LCC = 0.6123 | SRCC = 0.5818 ] [SYS][ MSE = 0.3830 | LCC = 0.9789 | SRCC = 0.9398 ]
[Valid(teacher)][34][UTT][ GML = 0.147507 | AML = 0.366923 | MoV = 0.270760 | VoV = 0.002727 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003179 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.23791944980621338
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.31 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.8564 | LCC = 0.6110 | SRCC = 0.5815 ] [SYS][ MSE = 0.3834 | LCC = 0.9782 | SRCC = 0.9412 ]
[Valid(teacher)][35][UTT][ GML = 0.143457 | AML = 0.365982 | MoV = 0.267419 | VoV = 0.002773 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003142 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.25000524520874023
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.49 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.8413 | LCC = 0.6097 | SRCC = 0.5798 ] [SYS][ MSE = 0.3616 | LCC = 0.9779 | SRCC = 0.9419 ]
[Valid(teacher)][36][UTT][ GML = 0.144058 | AML = 0.369617 | MoV = 0.264255 | VoV = 0.002828 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.003097 | VoV = 0.000007 ]
Train: 100% 845/845 [07:37<00:00,  1.85 step/s]
Average loss=-0.2631814181804657
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.98 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.7770 | LCC = 0.6127 | SRCC = 0.5823 ] [SYS][ MSE = 0.2932 | LCC = 0.9784 | SRCC = 0.9501 ]
[Valid(teacher)][37][UTT][ GML = 0.162596 | AML = 0.384694 | MoV = 0.261662 | VoV = 0.002636 ] [SYS][ GML = 0.000000 | AML = 0.000282 | MoV = 0.003054 | VoV = 0.000006 ]
Train: 100% 845/845 [04:32<00:00,  3.10 step/s]
Average loss=-0.2720353901386261
Valid(teacher): 100% 3000/3000 [00:36<00:00, 83.11 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.7443 | LCC = 0.6135 | SRCC = 0.5833 ] [SYS][ MSE = 0.2581 | LCC = 0.9781 | SRCC = 0.9419 ]
[Valid(teacher)][38][UTT][ GML = 0.172382 | AML = 0.393474 | MoV = 0.259182 | VoV = 0.002479 ] [SYS][ GML = 0.000000 | AML = 0.001449 | MoV = 0.003017 | VoV = 0.000006 ]
Train: 100% 845/845 [09:06<00:00,  1.55 step/s]
Average loss=-0.2740039825439453
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.49 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.7377 | LCC = 0.6137 | SRCC = 0.5844 ] [SYS][ MSE = 0.2474 | LCC = 0.9780 | SRCC = 0.9385 ]
[Valid(teacher)][39][UTT][ GML = 0.173221 | AML = 0.395863 | MoV = 0.257656 | VoV = 0.002456 ] [SYS][ GML = 0.000000 | AML = 0.002621 | MoV = 0.002993 | VoV = 0.000006 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.2839661240577698
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.02 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.7434 | LCC = 0.6145 | SRCC = 0.5842 ] [SYS][ MSE = 0.2549 | LCC = 0.9774 | SRCC = 0.9344 ]
[Valid(teacher)][40][UTT][ GML = 0.169591 | AML = 0.394881 | MoV = 0.256167 | VoV = 0.002451 ] [SYS][ GML = 0.000000 | AML = 0.001840 | MoV = 0.002979 | VoV = 0.000006 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.3038749396800995
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.17 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.7238 | LCC = 0.6152 | SRCC = 0.5850 ] [SYS][ MSE = 0.2309 | LCC = 0.9769 | SRCC = 0.9344 ]
[Valid(teacher)][41][UTT][ GML = 0.174191 | AML = 0.400414 | MoV = 0.252927 | VoV = 0.002363 ] [SYS][ GML = 0.000000 | AML = 0.009378 | MoV = 0.002931 | VoV = 0.000006 ]
Train: 100% 845/845 [03:28<00:00,  4.05 step/s]
Average loss=-0.3029753267765045
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.46 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.7059 | LCC = 0.6177 | SRCC = 0.5872 ] [SYS][ MSE = 0.2153 | LCC = 0.9776 | SRCC = 0.9371 ]
[Valid(teacher)][42][UTT][ GML = 0.180231 | AML = 0.404782 | MoV = 0.251543 | VoV = 0.002328 ] [SYS][ GML = 0.000000 | AML = 0.015655 | MoV = 0.002907 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.3150743842124939
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.83 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.6941 | LCC = 0.6171 | SRCC = 0.5868 ] [SYS][ MSE = 0.2014 | LCC = 0.9768 | SRCC = 0.9350 ]
[Valid(teacher)][43][UTT][ GML = 0.181644 | AML = 0.408274 | MoV = 0.248070 | VoV = 0.002327 ] [SYS][ GML = 0.000000 | AML = 0.020864 | MoV = 0.002873 | VoV = 0.000005 ]
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Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.32695087790489197
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.33 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.6479 | LCC = 0.6188 | SRCC = 0.5878 ] [SYS][ MSE = 0.1542 | LCC = 0.9770 | SRCC = 0.9364 ]
[Valid(teacher)][44][UTT][ GML = 0.200487 | AML = 0.420568 | MoV = 0.247108 | VoV = 0.002167 ] [SYS][ GML = 0.000000 | AML = 0.150403 | MoV = 0.002846 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.3346903920173645
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.39 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.6710 | LCC = 0.6160 | SRCC = 0.5855 ] [SYS][ MSE = 0.1773 | LCC = 0.9773 | SRCC = 0.9350 ]
[Valid(teacher)][45][UTT][ GML = 0.188774 | AML = 0.413689 | MoV = 0.244537 | VoV = 0.002184 ] [SYS][ GML = 0.000000 | AML = 0.085383 | MoV = 0.002820 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.3453880250453949
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.18 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.6705 | LCC = 0.6157 | SRCC = 0.5867 ] [SYS][ MSE = 0.1740 | LCC = 0.9766 | SRCC = 0.9378 ]
[Valid(teacher)][46][UTT][ GML = 0.186139 | AML = 0.414737 | MoV = 0.241800 | VoV = 0.002195 ] [SYS][ GML = 0.000000 | AML = 0.088686 | MoV = 0.002787 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.3544365465641022
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.16 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.6865 | LCC = 0.6149 | SRCC = 0.5863 ] [SYS][ MSE = 0.1879 | LCC = 0.9771 | SRCC = 0.9378 ]
[Valid(teacher)][47][UTT][ GML = 0.177246 | AML = 0.410905 | MoV = 0.238844 | VoV = 0.002148 ] [SYS][ GML = 0.000000 | AML = 0.051611 | MoV = 0.002755 | VoV = 0.000005 ]
Train: 100% 845/845 [03:39<00:00,  3.84 step/s]
Average loss=-0.34581467509269714
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.75 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.6680 | LCC = 0.6157 | SRCC = 0.5860 ] [SYS][ MSE = 0.1676 | LCC = 0.9772 | SRCC = 0.9378 ]
[Valid(teacher)][48][UTT][ GML = 0.185183 | AML = 0.416813 | MoV = 0.238681 | VoV = 0.002086 ] [SYS][ GML = 0.000000 | AML = 0.114652 | MoV = 0.002744 | VoV = 0.000005 ]
Train: 100% 845/845 [04:26<00:00,  3.17 step/s]
Average loss=-0.36738473176956177
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.04 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.6673 | LCC = 0.6159 | SRCC = 0.5866 ] [SYS][ MSE = 0.1679 | LCC = 0.9761 | SRCC = 0.9316 ]
[Valid(teacher)][49][UTT][ GML = 0.182621 | AML = 0.417824 | MoV = 0.236313 | VoV = 0.002112 ] [SYS][ GML = 0.000000 | AML = 0.132977 | MoV = 0.002717 | VoV = 0.000005 ]
Train: 100% 845/845 [06:27<00:00,  2.18 step/s]
Average loss=-0.37835627794265747
Valid(teacher): 100% 3000/3000 [00:21<00:00, 141.00 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.6139 | LCC = 0.6171 | SRCC = 0.5881 ] [SYS][ MSE = 0.1132 | LCC = 0.9745 | SRCC = 0.9432 ]
[Valid(teacher)][50][UTT][ GML = 0.205719 | AML = 0.433216 | MoV = 0.234665 | VoV = 0.001950 ] [SYS][ GML = 0.000000 | AML = 0.386649 | MoV = 0.002681 | VoV = 0.000004 ]
Train: 100% 845/845 [08:01<00:00,  1.76 step/s]
Average loss=-0.379034161567688
Valid(teacher): 100% 3000/3000 [00:26<00:00, 112.55 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5882 | LCC = 0.6177 | SRCC = 0.5889 ] [SYS][ MSE = 0.0865 | LCC = 0.9742 | SRCC = 0.9364 ]
[Valid(teacher)][51][UTT][ GML = 0.217313 | AML = 0.441418 | MoV = 0.232633 | VoV = 0.001867 ] [SYS][ GML = 0.000000 | AML = 0.664448 | MoV = 0.002640 | VoV = 0.000004 ]
Train: 100% 845/845 [05:40<00:00,  2.48 step/s]
Average loss=-0.3918858766555786
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.87 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5990 | LCC = 0.6168 | SRCC = 0.5876 ] [SYS][ MSE = 0.0958 | LCC = 0.9745 | SRCC = 0.9432 ]
[Valid(teacher)][52][UTT][ GML = 0.209659 | AML = 0.439408 | MoV = 0.230695 | VoV = 0.001845 ] [SYS][ GML = 0.000000 | AML = 0.552799 | MoV = 0.002622 | VoV = 0.000004 ]
Train: 100% 845/845 [03:39<00:00,  3.85 step/s]
Average loss=-0.40073683857917786
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.05 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5833 | LCC = 0.6166 | SRCC = 0.5873 ] [SYS][ MSE = 0.0791 | LCC = 0.9744 | SRCC = 0.9337 ]
[Valid(teacher)][53][UTT][ GML = 0.218055 | AML = 0.444712 | MoV = 0.229457 | VoV = 0.001690 ] [SYS][ GML = 0.000000 | AML = 0.714906 | MoV = 0.002592 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.4138963222503662
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.82 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5673 | LCC = 0.6163 | SRCC = 0.5872 ] [SYS][ MSE = 0.0619 | LCC = 0.9741 | SRCC = 0.9296 ]
[Valid(teacher)][54][UTT][ GML = 0.225541 | AML = 0.450104 | MoV = 0.226914 | VoV = 0.001589 ] [SYS][ GML = 0.000004 | AML = 1.532570 | MoV = 0.002559 | VoV = 0.000004 ]
Train: 100% 845/845 [04:02<00:00,  3.48 step/s]
Average loss=-0.4209601879119873
Valid(teacher): 100% 3000/3000 [00:21<00:00, 136.69 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5615 | LCC = 0.6183 | SRCC = 0.5891 ] [SYS][ MSE = 0.0571 | LCC = 0.9739 | SRCC = 0.9296 ]
[Valid(teacher)][55][UTT][ GML = 0.226673 | AML = 0.452820 | MoV = 0.224445 | VoV = 0.001518 ] [SYS][ GML = 0.000011 | AML = 1.688011 | MoV = 0.002535 | VoV = 0.000003 ]
Train: 100% 845/845 [07:21<00:00,  1.92 step/s]
Average loss=-0.42720502614974976
Valid(teacher): 100% 3000/3000 [01:10<00:00, 42.57 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5448 | LCC = 0.6179 | SRCC = 0.5897 ] [SYS][ MSE = 0.0366 | LCC = 0.9733 | SRCC = 0.9371 ]
[Valid(teacher)][56][UTT][ GML = 0.236778 | AML = 0.457808 | MoV = 0.223964 | VoV = 0.001443 ] [SYS][ GML = 0.001815 | AML = 1.533549 | MoV = 0.002512 | VoV = 0.000003 ]
Train: 100% 845/845 [04:38<00:00,  3.04 step/s]
Average loss=-0.44584202766418457
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.18 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5534 | LCC = 0.6166 | SRCC = 0.5891 ] [SYS][ MSE = 0.0430 | LCC = 0.9733 | SRCC = 0.9296 ]
[Valid(teacher)][57][UTT][ GML = 0.227286 | AML = 0.456621 | MoV = 0.219775 | VoV = 0.001458 ] [SYS][ GML = 0.000312 | AML = 1.499953 | MoV = 0.002471 | VoV = 0.000003 ]
Train: 100% 845/845 [09:54<00:00,  1.42 step/s]
Average loss=-0.4466950595378876
Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.90 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5491 | LCC = 0.6173 | SRCC = 0.5897 ] [SYS][ MSE = 0.0402 | LCC = 0.9730 | SRCC = 0.9275 ]
[Valid(teacher)][58][UTT][ GML = 0.228436 | AML = 0.458519 | MoV = 0.218017 | VoV = 0.001415 ] [SYS][ GML = 0.000610 | AML = 1.403377 | MoV = 0.002446 | VoV = 0.000003 ]
Train: 100% 845/845 [03:57<00:00,  3.56 step/s]
Average loss=-0.4427322745323181
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.36 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5479 | LCC = 0.6187 | SRCC = 0.5906 ] [SYS][ MSE = 0.0429 | LCC = 0.9734 | SRCC = 0.9303 ]
[Valid(teacher)][59][UTT][ GML = 0.229454 | AML = 0.459108 | MoV = 0.217559 | VoV = 0.001359 ] [SYS][ GML = 0.000368 | AML = 1.536145 | MoV = 0.002444 | VoV = 0.000003 ]
Train: 100% 845/845 [03:43<00:00,  3.79 step/s]
Average loss=-0.458187460899353
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.26 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5509 | LCC = 0.6170 | SRCC = 0.5898 ] [SYS][ MSE = 0.0406 | LCC = 0.9742 | SRCC = 0.9364 ]
[Valid(teacher)][60][UTT][ GML = 0.226905 | AML = 0.458642 | MoV = 0.215665 | VoV = 0.001257 ] [SYS][ GML = 0.000583 | AML = 1.536341 | MoV = 0.002416 | 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 [00:20<00:00, 195.98 step/s]

[Test(best)][61][UTT][ MSE = 0.7872 | LCC = 0.6590 | SRCC = 0.6242 ] [SYS][ MSE = 0.3868 | LCC = 0.9736 | SRCC = 0.9316 ]
[Test(best)][61][UTT][ GML = 0.234355 | AML = 0.355409 | MoV = 0.414604 | VoV = 0.004696 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003460 | VoV = 0.000006 ]
Test(last): 100% 4000/4000 [00:19<00:00, 201.38 step/s]

[Test(last)][61][UTT][ MSE = 0.5461 | LCC = 0.6243 | SRCC = 0.5961 ] [SYS][ MSE = 0.0417 | LCC = 0.9690 | SRCC = 0.9617 ]
[Test(last)][61][UTT][ GML = 0.228512 | AML = 0.463660 | MoV = 0.215982 | VoV = 0.001303 ] [SYS][ GML = 0.000196 | AML = 2.260773 | MoV = 0.001781 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node050 ProMOSNet]$
```