```
(lxygpu) [x_xlian@node006 ProMOSNet]$ python train.py --lamb_c=0 --lamb_t=0.5 --save_path "runs/c0-t5e-1/run1"
Loading all wav files.
100%|███████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:53<00:00, 114.21it/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 [01:44<00:00, 28.77it/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 [02:20<00:00, 28.55it/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 [03:26<00:00,  4.08 step/s]
Average loss=92978.40625
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.86 step/s]

[Valid(teacher)][0][UTT][ MSE = 2.2807 | LCC = 0.4281 | SRCC = 0.4135 ] [SYS][ MSE = 2.0820 | LCC = 0.7207 | SRCC = 0.7928 ]
[Valid(teacher)][0][UTT][ GML = 0.043450 | AML = 0.187073 | MoV = 0.448553 | VoV = 0.008559 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005215 | VoV = 0.000018 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.39691847562789917
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.67 step/s]

[Valid(teacher)][1][UTT][ MSE = 0.6795 | LCC = 0.5736 | SRCC = 0.5347 ] [SYS][ MSE = 0.2720 | LCC = 0.9194 | SRCC = 0.8400 ]
[Valid(teacher)][1][UTT][ GML = 0.283587 | AML = 0.358421 | MoV = 0.532995 | VoV = 0.008875 ] [SYS][ GML = 0.000000 | AML = 0.177279 | MoV = 0.006301 | VoV = 0.000031 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.27896058559417725
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.80 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.3132 | LCC = 0.5938 | SRCC = 0.5551 ] [SYS][ MSE = 0.9402 | LCC = 0.9351 | SRCC = 0.8646 ]
[Valid(teacher)][2][UTT][ GML = 0.102219 | AML = 0.266346 | MoV = 0.408395 | VoV = 0.011298 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004930 | VoV = 0.000022 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=0.24738094210624695
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.65 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.4650 | LCC = 0.5984 | SRCC = 0.5627 ] [SYS][ MSE = 1.1105 | LCC = 0.9404 | SRCC = 0.8899 ]
[Valid(teacher)][3][UTT][ GML = 0.083807 | AML = 0.248112 | MoV = 0.387410 | VoV = 0.008637 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004687 | VoV = 0.000019 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.22452330589294434
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.24 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.3993 | LCC = 0.6063 | SRCC = 0.5691 ] [SYS][ MSE = 1.0455 | LCC = 0.9453 | SRCC = 0.8851 ]
[Valid(teacher)][4][UTT][ GML = 0.090823 | AML = 0.258620 | MoV = 0.376965 | VoV = 0.007941 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004565 | VoV = 0.000018 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.20731107890605927
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.79 step/s]

[Valid(teacher)][5][UTT][ MSE = 1.5388 | LCC = 0.6058 | SRCC = 0.5709 ] [SYS][ MSE = 1.1986 | LCC = 0.9441 | SRCC = 0.8858 ]
[Valid(teacher)][5][UTT][ GML = 0.071116 | AML = 0.239723 | MoV = 0.364967 | VoV = 0.007652 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004439 | VoV = 0.000018 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.1886904388666153
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.61 step/s]

[Valid(teacher)][6][UTT][ MSE = 1.3788 | LCC = 0.6098 | SRCC = 0.5754 ] [SYS][ MSE = 1.0318 | LCC = 0.9475 | SRCC = 0.8940 ]
[Valid(teacher)][6][UTT][ GML = 0.095887 | AML = 0.263444 | MoV = 0.373808 | VoV = 0.006989 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004518 | VoV = 0.000017 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.16862136125564575
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.66 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.2983 | LCC = 0.6112 | SRCC = 0.5759 ] [SYS][ MSE = 0.9502 | LCC = 0.9475 | SRCC = 0.8892 ]
[Valid(teacher)][7][UTT][ GML = 0.108133 | AML = 0.276114 | MoV = 0.373927 | VoV = 0.006622 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004499 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.15365315973758698
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.25 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.0927 | LCC = 0.6168 | SRCC = 0.5814 ] [SYS][ MSE = 0.7379 | LCC = 0.9552 | SRCC = 0.8995 ]
[Valid(teacher)][8][UTT][ GML = 0.152536 | AML = 0.309198 | MoV = 0.386995 | VoV = 0.005720 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004597 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.1390940248966217
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.56 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.1943 | LCC = 0.6118 | SRCC = 0.5766 ] [SYS][ MSE = 0.8462 | LCC = 0.9511 | SRCC = 0.8803 ]
[Valid(teacher)][9][UTT][ GML = 0.127064 | AML = 0.293812 | MoV = 0.372330 | VoV = 0.005553 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004439 | VoV = 0.000015 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.12134026736021042
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.16 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.0683 | LCC = 0.6153 | SRCC = 0.5788 ] [SYS][ MSE = 0.7112 | LCC = 0.9559 | SRCC = 0.8803 ]
[Valid(teacher)][10][UTT][ GML = 0.154002 | AML = 0.314241 | MoV = 0.376153 | VoV = 0.004933 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004451 | VoV = 0.000014 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.1024400144815445
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.15 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.0448 | LCC = 0.6166 | SRCC = 0.5806 ] [SYS][ MSE = 0.6907 | LCC = 0.9536 | SRCC = 0.8838 ]
[Valid(teacher)][11][UTT][ GML = 0.159948 | AML = 0.318607 | MoV = 0.374382 | VoV = 0.004275 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004413 | VoV = 0.000013 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.09088322520256042
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.48 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.0246 | LCC = 0.6150 | SRCC = 0.5794 ] [SYS][ MSE = 0.6690 | LCC = 0.9521 | SRCC = 0.8783 ]
[Valid(teacher)][12][UTT][ GML = 0.162481 | AML = 0.322063 | MoV = 0.370363 | VoV = 0.004227 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004358 | VoV = 0.000013 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.06783583760261536
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.96 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.0379 | LCC = 0.6106 | SRCC = 0.5757 ] [SYS][ MSE = 0.6831 | LCC = 0.9508 | SRCC = 0.8783 ]
[Valid(teacher)][13][UTT][ GML = 0.157240 | AML = 0.320481 | MoV = 0.363764 | VoV = 0.003800 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004275 | VoV = 0.000012 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.055438894778490067
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.76 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.9705 | LCC = 0.6108 | SRCC = 0.5761 ] [SYS][ MSE = 0.6041 | LCC = 0.9566 | SRCC = 0.8831 ]
[Valid(teacher)][14][UTT][ GML = 0.170905 | AML = 0.332189 | MoV = 0.360340 | VoV = 0.003530 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004211 | VoV = 0.000011 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.04050774127244949
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.58 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.8559 | LCC = 0.6172 | SRCC = 0.5826 ] [SYS][ MSE = 0.4773 | LCC = 0.9611 | SRCC = 0.8838 ]
[Valid(teacher)][15][UTT][ GML = 0.200737 | AML = 0.352238 | MoV = 0.361108 | VoV = 0.003200 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.004190 | VoV = 0.000010 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.02591108013916016
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.21 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.8484 | LCC = 0.6138 | SRCC = 0.5806 ] [SYS][ MSE = 0.4688 | LCC = 0.9607 | SRCC = 0.8838 ]
[Valid(teacher)][16][UTT][ GML = 0.201107 | AML = 0.354561 | MoV = 0.356436 | VoV = 0.002968 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.004127 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.011662931181490421
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.78 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.8130 | LCC = 0.6125 | SRCC = 0.5789 ] [SYS][ MSE = 0.4297 | LCC = 0.9586 | SRCC = 0.8865 ]
[Valid(teacher)][17][UTT][ GML = 0.210027 | AML = 0.362001 | MoV = 0.354246 | VoV = 0.002883 ] [SYS][ GML = 0.000000 | AML = 0.000096 | MoV = 0.004092 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.002097230637446046
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.65 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.7527 | LCC = 0.6162 | SRCC = 0.5832 ] [SYS][ MSE = 0.3612 | LCC = 0.9612 | SRCC = 0.8913 ]
[Valid(teacher)][18][UTT][ GML = 0.227508 | AML = 0.374254 | MoV = 0.352715 | VoV = 0.002872 ] [SYS][ GML = 0.000000 | AML = 0.000316 | MoV = 0.004061 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.00209723063744046
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.65 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.7777 | LCC = 0.6075 | SRCC = 0.5749 ] [SYS][ MSE = 0.3804 | LCC = 0.9584 | SRCC = 0.8858 ]
[Valid(teacher)][19][UTT][ GML = 0.215353 | AML = 0.371250 | MoV = 0.344696 | VoV = 0.002893 ] [SYS][ GML = 0.000000 | AML = 0.000262 | MoV = 0.003970 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
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Average loss=-0.01616186648607254
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.33 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.7602 | LCC = 0.6081 | SRCC = 0.5761 ] [SYS][ MSE = 0.3628 | LCC = 0.9572 | SRCC = 0.8810 ]
[Valid(teacher)][20][UTT][ GML = 0.218857 | AML = 0.375642 | MoV = 0.341145 | VoV = 0.002893 ] [SYS][ GML = 0.000000 | AML = 0.000441 | MoV = 0.003933 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.02971883906816483
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.25 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.7819 | LCC = 0.5998 | SRCC = 0.5690 ] [SYS][ MSE = 0.3837 | LCC = 0.9517 | SRCC = 0.8667 ]
[Valid(teacher)][21][UTT][ GML = 0.208473 | AML = 0.373022 | MoV = 0.334721 | VoV = 0.002744 ] [SYS][ GML = 0.000000 | AML = 0.000381 | MoV = 0.003871 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.0419069267809391
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.25 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.7532 | LCC = 0.5961 | SRCC = 0.5650 ] [SYS][ MSE = 0.3463 | LCC = 0.9507 | SRCC = 0.8619 ]
[Valid(teacher)][22][UTT][ GML = 0.215295 | AML = 0.380292 | MoV = 0.330350 | VoV = 0.002632 ] [SYS][ GML = 0.000000 | AML = 0.000684 | MoV = 0.003811 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.15 step/s]
Average loss=-0.05962898582200775
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.36 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.7629 | LCC = 0.5966 | SRCC = 0.5665 ] [SYS][ MSE = 0.3544 | LCC = 0.9479 | SRCC = 0.8591 ]
[Valid(teacher)][23][UTT][ GML = 0.208895 | AML = 0.378948 | MoV = 0.324734 | VoV = 0.002659 ] [SYS][ GML = 0.000000 | AML = 0.000700 | MoV = 0.003756 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.0719064399600029
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.57 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.7196 | LCC = 0.6005 | SRCC = 0.5697 ] [SYS][ MSE = 0.3032 | LCC = 0.9501 | SRCC = 0.8585 ]
[Valid(teacher)][24][UTT][ GML = 0.222084 | AML = 0.388506 | MoV = 0.322008 | VoV = 0.002526 ] [SYS][ GML = 0.000000 | AML = 0.004275 | MoV = 0.003716 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.08684536069631577
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.12 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.7353 | LCC = 0.5994 | SRCC = 0.5684 ] [SYS][ MSE = 0.3169 | LCC = 0.9526 | SRCC = 0.8653 ]
[Valid(teacher)][25][UTT][ GML = 0.212483 | AML = 0.386427 | MoV = 0.315286 | VoV = 0.002540 ] [SYS][ GML = 0.000000 | AML = 0.000668 | MoV = 0.003647 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1040385514497757
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.20 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.7577 | LCC = 0.5973 | SRCC = 0.5673 ] [SYS][ MSE = 0.3363 | LCC = 0.9543 | SRCC = 0.8667 ]
[Valid(teacher)][26][UTT][ GML = 0.200958 | AML = 0.383272 | MoV = 0.308505 | VoV = 0.002487 ] [SYS][ GML = 0.000000 | AML = 0.000140 | MoV = 0.003571 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.11974219977855682
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.28 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.7335 | LCC = 0.5951 | SRCC = 0.5657 ] [SYS][ MSE = 0.3031 | LCC = 0.9529 | SRCC = 0.8708 ]
[Valid(teacher)][27][UTT][ GML = 0.205948 | AML = 0.390124 | MoV = 0.303189 | VoV = 0.002395 ] [SYS][ GML = 0.000000 | AML = 0.000629 | MoV = 0.003507 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.127969890832901
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.19 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.6610 | LCC = 0.6009 | SRCC = 0.5709 ] [SYS][ MSE = 0.2216 | LCC = 0.9568 | SRCC = 0.8728 ]
[Valid(teacher)][28][UTT][ GML = 0.232760 | AML = 0.406207 | MoV = 0.303050 | VoV = 0.002322 ] [SYS][ GML = 0.000000 | AML = 0.036266 | MoV = 0.003491 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.14221453666687012
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.45 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.7190 | LCC = 0.5948 | SRCC = 0.5646 ] [SYS][ MSE = 0.2823 | LCC = 0.9555 | SRCC = 0.8680 ]
[Valid(teacher)][29][UTT][ GML = 0.206844 | AML = 0.394742 | MoV = 0.297662 | VoV = 0.002392 ] [SYS][ GML = 0.000000 | AML = 0.002536 | MoV = 0.003444 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.15637196600437164
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.00 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.6927 | LCC = 0.5955 | SRCC = 0.5658 ] [SYS][ MSE = 0.2471 | LCC = 0.9552 | SRCC = 0.8735 ]
[Valid(teacher)][30][UTT][ GML = 0.213248 | AML = 0.401909 | MoV = 0.293884 | VoV = 0.002446 ] [SYS][ GML = 0.000000 | AML = 0.011054 | MoV = 0.003396 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1708599328994751
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.57 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.6667 | LCC = 0.5980 | SRCC = 0.5689 ] [SYS][ MSE = 0.2132 | LCC = 0.9569 | SRCC = 0.8756 ]
[Valid(teacher)][31][UTT][ GML = 0.220697 | AML = 0.409401 | MoV = 0.289188 | VoV = 0.002370 ] [SYS][ GML = 0.000000 | AML = 0.051973 | MoV = 0.003341 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.17920683324337006
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.15 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.6325 | LCC = 0.6019 | SRCC = 0.5730 ] [SYS][ MSE = 0.1710 | LCC = 0.9579 | SRCC = 0.8735 ]
[Valid(teacher)][32][UTT][ GML = 0.232548 | AML = 0.417506 | MoV = 0.287676 | VoV = 0.002453 ] [SYS][ GML = 0.000000 | AML = 0.298576 | MoV = 0.003318 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.19179148972034454
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.73 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.6075 | LCC = 0.6027 | SRCC = 0.5742 ] [SYS][ MSE = 0.1386 | LCC = 0.9606 | SRCC = 0.8872 ]
[Valid(teacher)][33][UTT][ GML = 0.241340 | AML = 0.424138 | MoV = 0.284247 | VoV = 0.002403 ] [SYS][ GML = 0.000000 | AML = 0.696343 | MoV = 0.003273 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.20631621778011322
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.91 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.6173 | LCC = 0.6024 | SRCC = 0.5736 ] [SYS][ MSE = 0.1457 | LCC = 0.9612 | SRCC = 0.8899 ]
[Valid(teacher)][34][UTT][ GML = 0.233562 | AML = 0.422958 | MoV = 0.279859 | VoV = 0.002479 ] [SYS][ GML = 0.000000 | AML = 0.570457 | MoV = 0.003225 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.21972578763961792
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.52 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.6043 | LCC = 0.6031 | SRCC = 0.5746 ] [SYS][ MSE = 0.1264 | LCC = 0.9613 | SRCC = 0.8940 ]
[Valid(teacher)][35][UTT][ GML = 0.236745 | AML = 0.428168 | MoV = 0.275447 | VoV = 0.002413 ] [SYS][ GML = 0.000000 | AML = 0.818625 | MoV = 0.003166 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2255748212337494
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.86 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5810 | LCC = 0.6015 | SRCC = 0.5737 ] [SYS][ MSE = 0.0972 | LCC = 0.9596 | SRCC = 0.8933 ]
[Valid(teacher)][36][UTT][ GML = 0.246931 | AML = 0.433945 | MoV = 0.272761 | VoV = 0.002343 ] [SYS][ GML = 0.000000 | AML = 1.098846 | MoV = 0.003134 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.24025195837020874
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.02 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5797 | LCC = 0.6028 | SRCC = 0.5747 ] [SYS][ MSE = 0.0953 | LCC = 0.9610 | SRCC = 0.8940 ]
[Valid(teacher)][37][UTT][ GML = 0.247366 | AML = 0.434330 | MoV = 0.271317 | VoV = 0.002264 ] [SYS][ GML = 0.000000 | AML = 1.099909 | MoV = 0.003117 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2511197626590729
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.51 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5665 | LCC = 0.6043 | SRCC = 0.5766 ] [SYS][ MSE = 0.0766 | LCC = 0.9616 | SRCC = 0.8947 ]
[Valid(teacher)][38][UTT][ GML = 0.252573 | AML = 0.437699 | MoV = 0.269674 | VoV = 0.002296 ] [SYS][ GML = 0.000005 | AML = 1.367388 | MoV = 0.003089 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.26213338971138
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.14 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5612 | LCC = 0.6054 | SRCC = 0.5783 ] [SYS][ MSE = 0.0696 | LCC = 0.9634 | SRCC = 0.8968 ]
[Valid(teacher)][39][UTT][ GML = 0.254225 | AML = 0.439439 | MoV = 0.265928 | VoV = 0.002215 ] [SYS][ GML = 0.000018 | AML = 1.471283 | MoV = 0.003039 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2712002992630005
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.79 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5546 | LCC = 0.6057 | SRCC = 0.5784 ] [SYS][ MSE = 0.0593 | LCC = 0.9644 | SRCC = 0.8954 ]
[Valid(teacher)][40][UTT][ GML = 0.255666 | AML = 0.440576 | MoV = 0.262413 | VoV = 0.002186 ] [SYS][ GML = 0.000122 | AML = 1.821100 | MoV = 0.002995 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.282451331615448
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.11 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5654 | LCC = 0.6052 | SRCC = 0.5781 ] [SYS][ MSE = 0.0719 | LCC = 0.9643 | SRCC = 0.9029 ]
[Valid(teacher)][41][UTT][ GML = 0.247899 | AML = 0.439031 | MoV = 0.259325 | VoV = 0.002165 ] [SYS][ GML = 0.000007 | AML = 1.417596 | MoV = 0.002972 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2934300899505615
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.73 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5527 | LCC = 0.6068 | SRCC = 0.5801 ] [SYS][ MSE = 0.0531 | LCC = 0.9675 | SRCC = 0.9118 ]
[Valid(teacher)][42][UTT][ GML = 0.252076 | AML = 0.443160 | MoV = 0.255342 | VoV = 0.002167 ] [SYS][ GML = 0.000339 | AML = 1.939670 | MoV = 0.002916 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.30490028858184814
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.61 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5543 | LCC = 0.6081 | SRCC = 0.5811 ] [SYS][ MSE = 0.0512 | LCC = 0.9687 | SRCC = 0.9221 ]
[Valid(teacher)][43][UTT][ GML = 0.249484 | AML = 0.443871 | MoV = 0.252667 | VoV = 0.002122 ] [SYS][ GML = 0.000365 | AML = 1.875817 | MoV = 0.002882 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3201223909854889
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.57 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5478 | LCC = 0.6072 | SRCC = 0.5801 ] [SYS][ MSE = 0.0420 | LCC = 0.9676 | SRCC = 0.9214 ]
[Valid(teacher)][44][UTT][ GML = 0.252494 | AML = 0.445155 | MoV = 0.250651 | VoV = 0.002083 ] [SYS][ GML = 0.002766 | AML = 2.597452 | MoV = 0.002848 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.32883593440055847
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.33 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5383 | LCC = 0.6097 | SRCC = 0.5834 ] [SYS][ MSE = 0.0332 | LCC = 0.9681 | SRCC = 0.9173 ]
[Valid(teacher)][45][UTT][ GML = 0.257053 | AML = 0.446547 | MoV = 0.248666 | VoV = 0.002076 ] [SYS][ GML = 0.017874 | AML = 2.578042 | MoV = 0.002814 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.3362419605255127
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.65 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5418 | LCC = 0.6099 | SRCC = 0.5834 ] [SYS][ MSE = 0.0390 | LCC = 0.9685 | SRCC = 0.9173 ]
[Valid(teacher)][46][UTT][ GML = 0.251689 | AML = 0.447027 | MoV = 0.245016 | VoV = 0.002095 ] [SYS][ GML = 0.004744 | AML = 2.653282 | MoV = 0.002783 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3467504382133484
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.74 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5392 | LCC = 0.6091 | SRCC = 0.5827 ] [SYS][ MSE = 0.0319 | LCC = 0.9662 | SRCC = 0.9173 ]
[Valid(teacher)][47][UTT][ GML = 0.252529 | AML = 0.447702 | MoV = 0.242641 | VoV = 0.002002 ] [SYS][ GML = 0.020191 | AML = 2.147665 | MoV = 0.002745 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.3577127754688263
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.03 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5380 | LCC = 0.6089 | SRCC = 0.5822 ] [SYS][ MSE = 0.0349 | LCC = 0.9675 | SRCC = 0.9145 ]
[Valid(teacher)][48][UTT][ GML = 0.250561 | AML = 0.448685 | MoV = 0.239591 | VoV = 0.001947 ] [SYS][ GML = 0.011747 | AML = 2.524443 | MoV = 0.002721 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3652288615703583
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.97 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5333 | LCC = 0.6091 | SRCC = 0.5822 ] [SYS][ MSE = 0.0310 | LCC = 0.9668 | SRCC = 0.9145 ]
[Valid(teacher)][49][UTT][ GML = 0.252797 | AML = 0.450658 | MoV = 0.238556 | VoV = 0.001965 ] [SYS][ GML = 0.026867 | AML = 2.222340 | MoV = 0.002705 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.37773606181144714
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.67 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5364 | LCC = 0.6077 | SRCC = 0.5809 ] [SYS][ MSE = 0.0283 | LCC = 0.9677 | SRCC = 0.9097 ]
[Valid(teacher)][50][UTT][ GML = 0.248837 | AML = 0.451206 | MoV = 0.236320 | VoV = 0.001993 ] [SYS][ GML = 0.043990 | AML = 2.050443 | MoV = 0.002681 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3881863057613373
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.55 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5425 | LCC = 0.6048 | SRCC = 0.5789 ] [SYS][ MSE = 0.0289 | LCC = 0.9655 | SRCC = 0.9029 ]
[Valid(teacher)][51][UTT][ GML = 0.244726 | AML = 0.449779 | MoV = 0.234992 | VoV = 0.002030 ] [SYS][ GML = 0.037948 | AML = 1.765380 | MoV = 0.002659 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.3901735544204712
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.61 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5448 | LCC = 0.6043 | SRCC = 0.5785 ] [SYS][ MSE = 0.0288 | LCC = 0.9662 | SRCC = 0.9084 ]
[Valid(teacher)][52][UTT][ GML = 0.241952 | AML = 0.450119 | MoV = 0.234147 | VoV = 0.002063 ] [SYS][ GML = 0.038193 | AML = 1.958790 | MoV = 0.002652 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.4091815948486328
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.05 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5465 | LCC = 0.6042 | SRCC = 0.5786 ] [SYS][ MSE = 0.0272 | LCC = 0.9677 | SRCC = 0.9056 ]
[Valid(teacher)][53][UTT][ GML = 0.238484 | AML = 0.451397 | MoV = 0.229699 | VoV = 0.001979 ] [SYS][ GML = 0.046079 | AML = 1.973246 | MoV = 0.002595 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.4122386574745178
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.53 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5481 | LCC = 0.6019 | SRCC = 0.5772 ] [SYS][ MSE = 0.0278 | LCC = 0.9669 | SRCC = 0.9056 ]
[Valid(teacher)][54][UTT][ GML = 0.235791 | AML = 0.451570 | MoV = 0.227753 | VoV = 0.001975 ] [SYS][ GML = 0.039269 | AML = 1.857506 | MoV = 0.002570 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.4222325384616852
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.08 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5487 | LCC = 0.6026 | SRCC = 0.5775 ] [SYS][ MSE = 0.0295 | LCC = 0.9676 | SRCC = 0.9084 ]
[Valid(teacher)][55][UTT][ GML = 0.230660 | AML = 0.452415 | MoV = 0.223777 | VoV = 0.001945 ] [SYS][ GML = 0.023480 | AML = 2.181795 | MoV = 0.002526 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.4292556047439575
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.42 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5465 | LCC = 0.6041 | SRCC = 0.5794 ] [SYS][ MSE = 0.0285 | LCC = 0.9674 | SRCC = 0.9104 ]
[Valid(teacher)][56][UTT][ GML = 0.232105 | AML = 0.453006 | MoV = 0.223512 | VoV = 0.002008 ] [SYS][ GML = 0.029454 | AML = 2.060461 | MoV = 0.002521 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.4349774122238159
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.45 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5468 | LCC = 0.6045 | SRCC = 0.5797 ] [SYS][ MSE = 0.0289 | LCC = 0.9679 | SRCC = 0.9152 ]
[Valid(teacher)][57][UTT][ GML = 0.229836 | AML = 0.452917 | MoV = 0.221343 | VoV = 0.001963 ] [SYS][ GML = 0.027864 | AML = 2.287513 | MoV = 0.002499 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.44771793484687805
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.18 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5502 | LCC = 0.6028 | SRCC = 0.5781 ] [SYS][ MSE = 0.0271 | LCC = 0.9672 | SRCC = 0.9104 ]
[Valid(teacher)][58][UTT][ GML = 0.228455 | AML = 0.452197 | MoV = 0.220069 | VoV = 0.001958 ] [SYS][ GML = 0.031667 | AML = 1.704949 | MoV = 0.002477 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.45033255219459534
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.23 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5541 | LCC = 0.6016 | SRCC = 0.5773 ] [SYS][ MSE = 0.0286 | LCC = 0.9651 | SRCC = 0.9029 ]
[Valid(teacher)][59][UTT][ GML = 0.224273 | AML = 0.451730 | MoV = 0.217376 | VoV = 0.001917 ] [SYS][ GML = 0.018964 | AML = 1.833982 | MoV = 0.002464 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.4635809361934662
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.41 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5529 | LCC = 0.6024 | SRCC = 0.5777 ] [SYS][ MSE = 0.0302 | LCC = 0.9667 | SRCC = 0.9104 ]
[Valid(teacher)][60][UTT][ GML = 0.219851 | AML = 0.453863 | MoV = 0.213090 | VoV = 0.001858 ] [SYS][ GML = 0.013491 | AML = 2.242178 | MoV = 0.002419 | 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, 192.20 step/s]

[Test(best)][61][UTT][ MSE = 0.8336 | LCC = 0.6255 | SRCC = 0.5935 ] [SYS][ MSE = 0.4597 | LCC = 0.9572 | SRCC = 0.9132 ]
[Test(best)][61][UTT][ GML = 0.208375 | AML = 0.357508 | MoV = 0.361048 | VoV = 0.003226 ] [SYS][ GML = 0.000000 | AML = 0.000006 | MoV = 0.003046 | VoV = 0.000005 ]
Test(last): 100% 4000/4000 [00:20<00:00, 197.86 step/s]

[Test(last)][61][UTT][ MSE = 0.5476 | LCC = 0.6126 | SRCC = 0.5882 ] [SYS][ MSE = 0.0307 | LCC = 0.9664 | SRCC = 0.9474 ]
[Test(last)][61][UTT][ GML = 0.222574 | AML = 0.465285 | MoV = 0.213582 | VoV = 0.001932 ] [SYS][ GML = 0.003263 | AML = 2.593333 | MoV = 0.001777 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node006 ProMOSNet]$
```