```
(lxygpu) [x_xlian@node012 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0.5 --save_path "runs/c5e-1-t5e-1/run5"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:56<00:00, 113.39it/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, 28.22it/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 [02:25<00:00, 27.42it/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 [03:24<00:00,  4.13 step/s]
Average loss=69634.828125
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.09 step/s]

[Valid(teacher)][0][UTT][ MSE = 2.1727 | LCC = 0.5069 | SRCC = 0.4793 ] [SYS][ MSE = 1.9464 | LCC = 0.8524 | SRCC = 0.8653 ]
[Valid(teacher)][0][UTT][ GML = 0.040913 | AML = 0.186014 | MoV = 0.441171 | VoV = 0.015339 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005263 | VoV = 0.000025 ]
Train: 100% 845/845 [06:13<00:00,  2.26 step/s]
Average loss=0.45068103075027466
Valid(teacher): 100% 3000/3000 [00:24<00:00, 121.69 step/s]

[Valid(teacher)][1][UTT][ MSE = 2.0265 | LCC = 0.5642 | SRCC = 0.5279 ] [SYS][ MSE = 1.6345 | LCC = 0.9195 | SRCC = 0.8550 ]
[Valid(teacher)][1][UTT][ GML = 0.006622 | AML = 0.177224 | MoV = 0.352902 | VoV = 0.021108 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004450 | VoV = 0.000024 ]
Train: 100% 845/845 [06:33<00:00,  2.15 step/s]
Average loss=0.3856830596923828
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.22 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.8901 | LCC = 0.5862 | SRCC = 0.5470 ] [SYS][ MSE = 1.4703 | LCC = 0.9341 | SRCC = 0.8585 ]
[Valid(teacher)][2][UTT][ GML = 0.005225 | AML = 0.189361 | MoV = 0.347715 | VoV = 0.018626 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004304 | VoV = 0.000021 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.34531348943710327
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.55 step/s]

[Valid(teacher)][3][UTT][ MSE = 2.0932 | LCC = 0.5956 | SRCC = 0.5561 ] [SYS][ MSE = 1.6921 | LCC = 0.9468 | SRCC = 0.8947 ]
[Valid(teacher)][3][UTT][ GML = 0.006142 | AML = 0.164595 | MoV = 0.325783 | VoV = 0.015109 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004016 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.3187406361103058
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.50 step/s]

[Valid(teacher)][4][UTT][ MSE = 2.5000 | LCC = 0.5996 | SRCC = 0.5616 ] [SYS][ MSE = 2.1281 | LCC = 0.9546 | SRCC = 0.9063 ]
[Valid(teacher)][4][UTT][ GML = 0.002346 | AML = 0.124244 | MoV = 0.305629 | VoV = 0.014446 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003839 | VoV = 0.000017 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.29784199595451355
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.81 step/s]

[Valid(teacher)][5][UTT][ MSE = 2.5092 | LCC = 0.6026 | SRCC = 0.5642 ] [SYS][ MSE = 2.1400 | LCC = 0.9578 | SRCC = 0.9056 ]
[Valid(teacher)][5][UTT][ GML = 0.002941 | AML = 0.123072 | MoV = 0.306868 | VoV = 0.013568 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003841 | VoV = 0.000016 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.2814805209636688
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.81 step/s]

[Valid(teacher)][6][UTT][ MSE = 2.5170 | LCC = 0.6061 | SRCC = 0.5673 ] [SYS][ MSE = 2.1537 | LCC = 0.9614 | SRCC = 0.9207 ]
[Valid(teacher)][6][UTT][ GML = 0.003556 | AML = 0.121899 | MoV = 0.306801 | VoV = 0.012767 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003833 | VoV = 0.000016 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.2627032697200775
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.30 step/s]

[Valid(teacher)][7][UTT][ MSE = 2.4120 | LCC = 0.6105 | SRCC = 0.5710 ] [SYS][ MSE = 2.0464 | LCC = 0.9646 | SRCC = 0.9268 ]
[Valid(teacher)][7][UTT][ GML = 0.005911 | AML = 0.130736 | MoV = 0.311112 | VoV = 0.011824 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003871 | VoV = 0.000016 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.24491706490516663
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.63 step/s]

[Valid(teacher)][8][UTT][ MSE = 2.4704 | LCC = 0.6124 | SRCC = 0.5735 ] [SYS][ MSE = 2.1197 | LCC = 0.9675 | SRCC = 0.9262 ]
[Valid(teacher)][8][UTT][ GML = 0.006060 | AML = 0.126045 | MoV = 0.303839 | VoV = 0.010498 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003797 | VoV = 0.000015 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.23293553292751312
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.09 step/s]

[Valid(teacher)][9][UTT][ MSE = 2.5068 | LCC = 0.6139 | SRCC = 0.5758 ] [SYS][ MSE = 2.1759 | LCC = 0.9686 | SRCC = 0.9316 ]
[Valid(teacher)][9][UTT][ GML = 0.006823 | AML = 0.124623 | MoV = 0.304724 | VoV = 0.009802 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003813 | VoV = 0.000015 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.21512939035892487
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.36 step/s]

[Valid(teacher)][10][UTT][ MSE = 2.4963 | LCC = 0.6148 | SRCC = 0.5777 ] [SYS][ MSE = 2.1712 | LCC = 0.9700 | SRCC = 0.9289 ]
[Valid(teacher)][10][UTT][ GML = 0.007759 | AML = 0.127052 | MoV = 0.304207 | VoV = 0.008876 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003799 | VoV = 0.000015 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=0.19540287554264069
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.27 step/s]

[Valid(teacher)][11][UTT][ MSE = 2.4760 | LCC = 0.6141 | SRCC = 0.5793 ] [SYS][ MSE = 2.1595 | LCC = 0.9708 | SRCC = 0.9350 ]
[Valid(teacher)][11][UTT][ GML = 0.008803 | AML = 0.130719 | MoV = 0.302067 | VoV = 0.007833 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003760 | VoV = 0.000014 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.17734748125076294
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.82 step/s]

[Valid(teacher)][12][UTT][ MSE = 2.6115 | LCC = 0.6114 | SRCC = 0.5787 ] [SYS][ MSE = 2.3094 | LCC = 0.9711 | SRCC = 0.9330 ]
[Valid(teacher)][12][UTT][ GML = 0.006049 | AML = 0.120086 | MoV = 0.289092 | VoV = 0.007077 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003610 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.162580668926239
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.36 step/s]

[Valid(teacher)][13][UTT][ MSE = 2.4670 | LCC = 0.6121 | SRCC = 0.5804 ] [SYS][ MSE = 2.1525 | LCC = 0.9721 | SRCC = 0.9303 ]
[Valid(teacher)][13][UTT][ GML = 0.008189 | AML = 0.132419 | MoV = 0.290165 | VoV = 0.006847 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003620 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.15044225752353668
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.50 step/s]

[Valid(teacher)][14][UTT][ MSE = 2.3756 | LCC = 0.6123 | SRCC = 0.5819 ] [SYS][ MSE = 2.0541 | LCC = 0.9722 | SRCC = 0.9268 ]
[Valid(teacher)][14][UTT][ GML = 0.009712 | AML = 0.140898 | MoV = 0.288627 | VoV = 0.006590 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003601 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.13822144269943237
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.20 step/s]

[Valid(teacher)][15][UTT][ MSE = 2.2857 | LCC = 0.6095 | SRCC = 0.5818 ] [SYS][ MSE = 1.9602 | LCC = 0.9708 | SRCC = 0.9296 ]
[Valid(teacher)][15][UTT][ GML = 0.012433 | AML = 0.151142 | MoV = 0.291981 | VoV = 0.006139 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003626 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.12303753197193146
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.45 step/s]

[Valid(teacher)][16][UTT][ MSE = 2.2113 | LCC = 0.6082 | SRCC = 0.5829 ] [SYS][ MSE = 1.8827 | LCC = 0.9691 | SRCC = 0.9200 ]
[Valid(teacher)][16][UTT][ GML = 0.014713 | AML = 0.159556 | MoV = 0.292693 | VoV = 0.005885 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003631 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.10454925149679184
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.47 step/s]

[Valid(teacher)][17][UTT][ MSE = 2.2278 | LCC = 0.6033 | SRCC = 0.5798 ] [SYS][ MSE = 1.9047 | LCC = 0.9666 | SRCC = 0.9186 ]
[Valid(teacher)][17][UTT][ GML = 0.013952 | AML = 0.159793 | MoV = 0.287800 | VoV = 0.005351 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003564 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.08893349766731262
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.62 step/s]

[Valid(teacher)][18][UTT][ MSE = 2.1925 | LCC = 0.5984 | SRCC = 0.5764 ] [SYS][ MSE = 1.8620 | LCC = 0.9642 | SRCC = 0.9104 ]
[Valid(teacher)][18][UTT][ GML = 0.014261 | AML = 0.164399 | MoV = 0.283975 | VoV = 0.005125 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003512 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.07575063407421112
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.43 step/s]

[Valid(teacher)][19][UTT][ MSE = 2.2373 | LCC = 0.5918 | SRCC = 0.5733 ] [SYS][ MSE = 1.9158 | LCC = 0.9597 | SRCC = 0.9077 ]
[Valid(teacher)][19][UTT][ GML = 0.012450 | AML = 0.161693 | MoV = 0.277355 | VoV = 0.004770 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003430 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
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Average loss=0.05862107872962952
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.75 step/s]

[Valid(teacher)][20][UTT][ MSE = 2.1651 | LCC = 0.5882 | SRCC = 0.5715 ] [SYS][ MSE = 1.8349 | LCC = 0.9563 | SRCC = 0.8872 ]
[Valid(teacher)][20][UTT][ GML = 0.014661 | AML = 0.169993 | MoV = 0.279035 | VoV = 0.004562 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003441 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.04583324491976917
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.90 step/s]

[Valid(teacher)][21][UTT][ MSE = 1.9954 | LCC = 0.5869 | SRCC = 0.5716 ] [SYS][ MSE = 1.6450 | LCC = 0.9550 | SRCC = 0.8769 ]
[Valid(teacher)][21][UTT][ GML = 0.019998 | AML = 0.188674 | MoV = 0.280106 | VoV = 0.004662 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003452 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.03578376397490514
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.63 step/s]

[Valid(teacher)][22][UTT][ MSE = 1.8901 | LCC = 0.5890 | SRCC = 0.5741 ] [SYS][ MSE = 1.5315 | LCC = 0.9560 | SRCC = 0.8838 ]
[Valid(teacher)][22][UTT][ GML = 0.024661 | AML = 0.200519 | MoV = 0.283008 | VoV = 0.004774 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003479 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.02436469681560932
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.27 step/s]

[Valid(teacher)][23][UTT][ MSE = 1.9480 | LCC = 0.5871 | SRCC = 0.5734 ] [SYS][ MSE = 1.6002 | LCC = 0.9550 | SRCC = 0.8728 ]
[Valid(teacher)][23][UTT][ GML = 0.020699 | AML = 0.193984 | MoV = 0.275125 | VoV = 0.004464 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003390 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.0003843868908006698
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.24 step/s]

[Valid(teacher)][24][UTT][ MSE = 1.8047 | LCC = 0.5876 | SRCC = 0.5757 ] [SYS][ MSE = 1.4445 | LCC = 0.9561 | SRCC = 0.8790 ]
[Valid(teacher)][24][UTT][ GML = 0.026307 | AML = 0.211532 | MoV = 0.273068 | VoV = 0.004381 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003359 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.0055772364139556885
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.74 step/s]

[Valid(teacher)][25][UTT][ MSE = 1.7929 | LCC = 0.5871 | SRCC = 0.5767 ] [SYS][ MSE = 1.4322 | LCC = 0.9548 | SRCC = 0.8721 ]
[Valid(teacher)][25][UTT][ GML = 0.025659 | AML = 0.212743 | MoV = 0.269118 | VoV = 0.004345 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003317 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.02410365268588066
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.93 step/s]

[Valid(teacher)][26][UTT][ MSE = 1.7993 | LCC = 0.5850 | SRCC = 0.5753 ] [SYS][ MSE = 1.4351 | LCC = 0.9547 | SRCC = 0.8824 ]
[Valid(teacher)][26][UTT][ GML = 0.025073 | AML = 0.212145 | MoV = 0.267875 | VoV = 0.004102 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003283 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.03988845646381378
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.78 step/s]

[Valid(teacher)][27][UTT][ MSE = 1.7381 | LCC = 0.5848 | SRCC = 0.5756 ] [SYS][ MSE = 1.3657 | LCC = 0.9563 | SRCC = 0.8776 ]
[Valid(teacher)][27][UTT][ GML = 0.026876 | AML = 0.220255 | MoV = 0.264686 | VoV = 0.004152 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003243 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.05375360697507858
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.03 step/s]

[Valid(teacher)][28][UTT][ MSE = 1.7783 | LCC = 0.5826 | SRCC = 0.5740 ] [SYS][ MSE = 1.4058 | LCC = 0.9543 | SRCC = 0.8742 ]
[Valid(teacher)][28][UTT][ GML = 0.024263 | AML = 0.214838 | MoV = 0.262377 | VoV = 0.003973 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003216 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.06575827300548553
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.11 step/s]

[Valid(teacher)][29][UTT][ MSE = 1.7549 | LCC = 0.5779 | SRCC = 0.5692 ] [SYS][ MSE = 1.3775 | LCC = 0.9518 | SRCC = 0.8674 ]
[Valid(teacher)][29][UTT][ GML = 0.024160 | AML = 0.218563 | MoV = 0.259120 | VoV = 0.003909 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003173 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.07735750824213028
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.87 step/s]

[Valid(teacher)][30][UTT][ MSE = 1.6864 | LCC = 0.5804 | SRCC = 0.5701 ] [SYS][ MSE = 1.3000 | LCC = 0.9551 | SRCC = 0.8721 ]
[Valid(teacher)][30][UTT][ GML = 0.026837 | AML = 0.227052 | MoV = 0.257535 | VoV = 0.003844 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003153 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.09024976193904877
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.73 step/s]

[Valid(teacher)][31][UTT][ MSE = 1.5824 | LCC = 0.5847 | SRCC = 0.5746 ] [SYS][ MSE = 1.1900 | LCC = 0.9590 | SRCC = 0.8879 ]
[Valid(teacher)][31][UTT][ GML = 0.032575 | AML = 0.240593 | MoV = 0.257008 | VoV = 0.003797 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003145 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.09866273403167725
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.29 step/s]

[Valid(teacher)][32][UTT][ MSE = 1.5425 | LCC = 0.5856 | SRCC = 0.5744 ] [SYS][ MSE = 1.1376 | LCC = 0.9609 | SRCC = 0.8872 ]
[Valid(teacher)][32][UTT][ GML = 0.033425 | AML = 0.246219 | MoV = 0.254610 | VoV = 0.004014 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003122 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.11561954766511917
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.26 step/s]

[Valid(teacher)][33][UTT][ MSE = 1.4482 | LCC = 0.5872 | SRCC = 0.5734 ] [SYS][ MSE = 1.0301 | LCC = 0.9621 | SRCC = 0.8817 ]
[Valid(teacher)][33][UTT][ GML = 0.039344 | AML = 0.259736 | MoV = 0.255305 | VoV = 0.004224 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003124 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.12588970363140106
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.06 step/s]

[Valid(teacher)][34][UTT][ MSE = 1.4609 | LCC = 0.5847 | SRCC = 0.5710 ] [SYS][ MSE = 1.0455 | LCC = 0.9601 | SRCC = 0.8803 ]
[Valid(teacher)][34][UTT][ GML = 0.037779 | AML = 0.257804 | MoV = 0.252932 | VoV = 0.003972 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003089 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1394207626581192
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.02 step/s]

[Valid(teacher)][35][UTT][ MSE = 1.4329 | LCC = 0.5846 | SRCC = 0.5711 ] [SYS][ MSE = 1.0162 | LCC = 0.9599 | SRCC = 0.8803 ]
[Valid(teacher)][35][UTT][ GML = 0.038835 | AML = 0.262182 | MoV = 0.250782 | VoV = 0.003938 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003062 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.14993247389793396
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.12 step/s]

[Valid(teacher)][36][UTT][ MSE = 1.3708 | LCC = 0.5879 | SRCC = 0.5730 ] [SYS][ MSE = 0.9463 | LCC = 0.9598 | SRCC = 0.8749 ]
[Valid(teacher)][36][UTT][ GML = 0.044016 | AML = 0.271059 | MoV = 0.251210 | VoV = 0.003788 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003051 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.15571889281272888
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.26 step/s]

[Valid(teacher)][37][UTT][ MSE = 1.4339 | LCC = 0.5831 | SRCC = 0.5707 ] [SYS][ MSE = 1.0243 | LCC = 0.9571 | SRCC = 0.8838 ]
[Valid(teacher)][37][UTT][ GML = 0.037296 | AML = 0.261987 | MoV = 0.246448 | VoV = 0.003624 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002997 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.16765651106834412
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.74 step/s]

[Valid(teacher)][38][UTT][ MSE = 1.3543 | LCC = 0.5838 | SRCC = 0.5719 ] [SYS][ MSE = 0.9363 | LCC = 0.9593 | SRCC = 0.8988 ]
[Valid(teacher)][38][UTT][ GML = 0.043792 | AML = 0.274485 | MoV = 0.246348 | VoV = 0.003580 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002987 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.17779386043548584
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.42 step/s]

[Valid(teacher)][39][UTT][ MSE = 1.2394 | LCC = 0.5915 | SRCC = 0.5763 ] [SYS][ MSE = 0.8105 | LCC = 0.9640 | SRCC = 0.9015 ]
[Valid(teacher)][39][UTT][ GML = 0.055980 | AML = 0.292128 | MoV = 0.247602 | VoV = 0.003448 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002979 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.18980389833450317
Valid(teacher): 100% 3000/3000 [00:14<00:00, 204.22 step/s]

[Valid(teacher)][40][UTT][ MSE = 1.2155 | LCC = 0.5912 | SRCC = 0.5763 ] [SYS][ MSE = 0.7815 | LCC = 0.9643 | SRCC = 0.9084 ]
[Valid(teacher)][40][UTT][ GML = 0.057979 | AML = 0.296378 | MoV = 0.246009 | VoV = 0.003421 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002963 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.19935789704322815
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.81 step/s]

[Valid(teacher)][41][UTT][ MSE = 1.2171 | LCC = 0.5904 | SRCC = 0.5761 ] [SYS][ MSE = 0.7816 | LCC = 0.9645 | SRCC = 0.9043 ]
[Valid(teacher)][41][UTT][ GML = 0.054559 | AML = 0.296390 | MoV = 0.241219 | VoV = 0.003407 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002902 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.21526415646076202
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.14 step/s]

[Valid(teacher)][42][UTT][ MSE = 1.1436 | LCC = 0.5930 | SRCC = 0.5766 ] [SYS][ MSE = 0.6985 | LCC = 0.9659 | SRCC = 0.9077 ]
[Valid(teacher)][42][UTT][ GML = 0.062592 | AML = 0.309057 | MoV = 0.240411 | VoV = 0.003460 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002892 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2284205559158325
Valid(teacher): 100% 3000/3000 [00:14<00:00, 204.47 step/s]

[Valid(teacher)][43][UTT][ MSE = 1.1215 | LCC = 0.5947 | SRCC = 0.5768 ] [SYS][ MSE = 0.6736 | LCC = 0.9679 | SRCC = 0.9166 ]
[Valid(teacher)][43][UTT][ GML = 0.064145 | AML = 0.312973 | MoV = 0.237808 | VoV = 0.003304 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002852 | VoV = 0.000006 ]
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Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.24377772212028503
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.49 step/s]

[Valid(teacher)][44][UTT][ MSE = 1.1399 | LCC = 0.5921 | SRCC = 0.5743 ] [SYS][ MSE = 0.6923 | LCC = 0.9663 | SRCC = 0.9104 ]
[Valid(teacher)][44][UTT][ GML = 0.060130 | AML = 0.310545 | MoV = 0.234606 | VoV = 0.003251 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002819 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.25260791182518005
Valid(teacher): 100% 3000/3000 [00:14<00:00, 204.30 step/s]

[Valid(teacher)][45][UTT][ MSE = 1.0851 | LCC = 0.5940 | SRCC = 0.5752 ] [SYS][ MSE = 0.6302 | LCC = 0.9681 | SRCC = 0.9104 ]
[Valid(teacher)][45][UTT][ GML = 0.067700 | AML = 0.321161 | MoV = 0.233273 | VoV = 0.003059 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002793 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.26337888836860657
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.94 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.9881 | LCC = 0.5974 | SRCC = 0.5763 ] [SYS][ MSE = 0.5218 | LCC = 0.9700 | SRCC = 0.9221 ]
[Valid(teacher)][46][UTT][ GML = 0.083725 | AML = 0.340767 | MoV = 0.232808 | VoV = 0.002907 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002779 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.27316734194755554
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.44 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.9907 | LCC = 0.5981 | SRCC = 0.5766 ] [SYS][ MSE = 0.5196 | LCC = 0.9712 | SRCC = 0.9221 ]
[Valid(teacher)][47][UTT][ GML = 0.079696 | AML = 0.340566 | MoV = 0.228893 | VoV = 0.002909 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002740 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.286643922328949
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.05 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.9671 | LCC = 0.5990 | SRCC = 0.5773 ] [SYS][ MSE = 0.4953 | LCC = 0.9698 | SRCC = 0.9179 ]
[Valid(teacher)][48][UTT][ GML = 0.082775 | AML = 0.345821 | MoV = 0.226920 | VoV = 0.002875 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002712 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.2945532500743866
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.40 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.9846 | LCC = 0.5966 | SRCC = 0.5757 ] [SYS][ MSE = 0.5144 | LCC = 0.9691 | SRCC = 0.9214 ]
[Valid(teacher)][49][UTT][ GML = 0.077698 | AML = 0.342033 | MoV = 0.224048 | VoV = 0.002777 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002684 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3048554062843323
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.70 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.8956 | LCC = 0.6041 | SRCC = 0.5808 ] [SYS][ MSE = 0.4195 | LCC = 0.9736 | SRCC = 0.9248 ]
[Valid(teacher)][50][UTT][ GML = 0.095865 | AML = 0.361463 | MoV = 0.223406 | VoV = 0.002636 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002659 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.3161107897758484
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.89 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.8930 | LCC = 0.6063 | SRCC = 0.5831 ] [SYS][ MSE = 0.4193 | LCC = 0.9742 | SRCC = 0.9289 ]
[Valid(teacher)][51][UTT][ GML = 0.093486 | AML = 0.362049 | MoV = 0.219984 | VoV = 0.002667 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002617 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3174913823604584
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.63 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.8406 | LCC = 0.6083 | SRCC = 0.5845 ] [SYS][ MSE = 0.3659 | LCC = 0.9745 | SRCC = 0.9350 ]
[Valid(teacher)][52][UTT][ GML = 0.107649 | AML = 0.374073 | MoV = 0.221442 | VoV = 0.002636 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002626 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.3370276689529419
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.84 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.8150 | LCC = 0.6107 | SRCC = 0.5868 ] [SYS][ MSE = 0.3384 | LCC = 0.9751 | SRCC = 0.9371 ]
[Valid(teacher)][53][UTT][ GML = 0.111503 | AML = 0.380788 | MoV = 0.218182 | VoV = 0.002583 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002584 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.34586861729621887
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.13 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.8434 | LCC = 0.6063 | SRCC = 0.5830 ] [SYS][ MSE = 0.3644 | LCC = 0.9736 | SRCC = 0.9330 ]
[Valid(teacher)][54][UTT][ GML = 0.103323 | AML = 0.374744 | MoV = 0.215687 | VoV = 0.002409 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002550 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.34772568941116333
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.45 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.8833 | LCC = 0.6039 | SRCC = 0.5825 ] [SYS][ MSE = 0.4068 | LCC = 0.9717 | SRCC = 0.9296 ]
[Valid(teacher)][55][UTT][ GML = 0.089926 | AML = 0.366388 | MoV = 0.211866 | VoV = 0.002435 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002522 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.367551326751709
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.47 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.8857 | LCC = 0.6036 | SRCC = 0.5820 ] [SYS][ MSE = 0.4059 | LCC = 0.9716 | SRCC = 0.9221 ]
[Valid(teacher)][56][UTT][ GML = 0.085936 | AML = 0.366059 | MoV = 0.208275 | VoV = 0.002417 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002479 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3706377446651459
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.83 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.7300 | LCC = 0.6113 | SRCC = 0.5858 ] [SYS][ MSE = 0.2433 | LCC = 0.9756 | SRCC = 0.9344 ]
[Valid(teacher)][57][UTT][ GML = 0.134820 | AML = 0.403789 | MoV = 0.212428 | VoV = 0.002146 ] [SYS][ GML = 0.000000 | AML = 0.000015 | MoV = 0.002492 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.38317540287971497
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.08 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.7193 | LCC = 0.6110 | SRCC = 0.5855 ] [SYS][ MSE = 0.2348 | LCC = 0.9744 | SRCC = 0.9316 ]
[Valid(teacher)][58][UTT][ GML = 0.137104 | AML = 0.407599 | MoV = 0.210758 | VoV = 0.002161 ] [SYS][ GML = 0.000000 | AML = 0.000029 | MoV = 0.002475 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3872755169868469
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.08 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.7016 | LCC = 0.6133 | SRCC = 0.5871 ] [SYS][ MSE = 0.2175 | LCC = 0.9747 | SRCC = 0.9371 ]
[Valid(teacher)][59][UTT][ GML = 0.142581 | AML = 0.412597 | MoV = 0.210025 | VoV = 0.002123 ] [SYS][ GML = 0.000000 | AML = 0.000129 | MoV = 0.002459 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.3976880609989166
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.24 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.6660 | LCC = 0.6161 | SRCC = 0.5889 ] [SYS][ MSE = 0.1804 | LCC = 0.9758 | SRCC = 0.9398 ]
[Valid(teacher)][60][UTT][ GML = 0.155708 | AML = 0.422009 | MoV = 0.209474 | VoV = 0.002074 ] [SYS][ GML = 0.000000 | AML = 0.001543 | MoV = 0.002443 | VoV = 0.000004 ]
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 [00:21<00:00, 184.21 step/s]

[Test(best)][61][UTT][ MSE = 0.6505 | LCC = 0.6279 | SRCC = 0.5967 ] [SYS][ MSE = 0.1754 | LCC = 0.9718 | SRCC = 0.9289 ]
[Test(best)][61][UTT][ GML = 0.161733 | AML = 0.431863 | MoV = 0.209404 | VoV = 0.002097 ] [SYS][ GML = 0.000000 | AML = 0.070275 | MoV = 0.001774 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:21<00:00, 187.77 step/s]

[Test(last)][61][UTT][ MSE = 0.6505 | LCC = 0.6279 | SRCC = 0.5967 ] [SYS][ MSE = 0.1754 | LCC = 0.9718 | SRCC = 0.9289 ]
[Test(last)][61][UTT][ GML = 0.161733 | AML = 0.431863 | MoV = 0.209404 | VoV = 0.002097 ] [SYS][ GML = 0.000000 | AML = 0.070275 | MoV = 0.001774 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node012 ProMOSNet]$
```