```
(lxygpu) [x_xlian@node009 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0.5 --save_path "runs/c5e-1-t5e-1/run2"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:02<00:00, 112.09it/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, 28.68it/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, 28.43it/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,  4.09 step/s]
Average loss=8405.650390625
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.85 step/s]

[Valid(teacher)][0][UTT][ MSE = 2.9777 | LCC = 0.4737 | SRCC = 0.4477 ] [SYS][ MSE = 2.8049 | LCC = 0.8316 | SRCC = 0.8530 ]
[Valid(teacher)][0][UTT][ GML = 0.016983 | AML = 0.130459 | MoV = 0.439179 | VoV = 0.010251 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005153 | VoV = 0.000021 ]
Train: 100% 845/845 [03:20<00:00,  4.22 step/s]
Average loss=0.4321185052394867
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.35 step/s]

[Valid(teacher)][1][UTT][ MSE = 0.8197 | LCC = 0.5771 | SRCC = 0.5352 ] [SYS][ MSE = 0.4096 | LCC = 0.9032 | SRCC = 0.8523 ]
[Valid(teacher)][1][UTT][ GML = 0.232375 | AML = 0.336761 | MoV = 0.507633 | VoV = 0.011470 ] [SYS][ GML = 0.000000 | AML = 0.021064 | MoV = 0.006079 | VoV = 0.000031 ]
Train: 100% 845/845 [03:19<00:00,  4.23 step/s]
Average loss=0.3652203381061554
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.36 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.7208 | LCC = 0.6091 | SRCC = 0.5630 ] [SYS][ MSE = 0.3052 | LCC = 0.9388 | SRCC = 0.8619 ]
[Valid(teacher)][2][UTT][ GML = 0.260407 | AML = 0.357605 | MoV = 0.481391 | VoV = 0.007627 ] [SYS][ GML = 0.000000 | AML = 0.097881 | MoV = 0.005686 | VoV = 0.000024 ]
Train: 100% 845/845 [03:20<00:00,  4.21 step/s]
Average loss=0.32592564821243286
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.97 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.9637 | LCC = 0.6177 | SRCC = 0.5721 ] [SYS][ MSE = 0.5672 | LCC = 0.9573 | SRCC = 0.8913 ]
[Valid(teacher)][3][UTT][ GML = 0.188709 | AML = 0.322248 | MoV = 0.432933 | VoV = 0.006461 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005100 | VoV = 0.000019 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=0.29283881187438965
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.28 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.8590 | LCC = 0.6299 | SRCC = 0.5886 ] [SYS][ MSE = 0.4622 | LCC = 0.9637 | SRCC = 0.9097 ]
[Valid(teacher)][4][UTT][ GML = 0.216417 | AML = 0.341832 | MoV = 0.423217 | VoV = 0.004633 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004909 | VoV = 0.000015 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.26693353056907654
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.52 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.8988 | LCC = 0.6317 | SRCC = 0.5926 ] [SYS][ MSE = 0.5028 | LCC = 0.9650 | SRCC = 0.9152 ]
[Valid(teacher)][5][UTT][ GML = 0.204360 | AML = 0.335771 | MoV = 0.413547 | VoV = 0.004089 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004804 | VoV = 0.000015 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=0.24914775788784027
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.66 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.9840 | LCC = 0.6314 | SRCC = 0.5957 ] [SYS][ MSE = 0.5920 | LCC = 0.9655 | SRCC = 0.9200 ]
[Valid(teacher)][6][UTT][ GML = 0.179240 | AML = 0.322476 | MoV = 0.397028 | VoV = 0.003902 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004629 | VoV = 0.000014 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.23127485811710358
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.92 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.0098 | LCC = 0.6288 | SRCC = 0.5963 ] [SYS][ MSE = 0.6131 | LCC = 0.9663 | SRCC = 0.9357 ]
[Valid(teacher)][7][UTT][ GML = 0.171205 | AML = 0.319241 | MoV = 0.389029 | VoV = 0.003597 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004531 | VoV = 0.000013 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.214016854763031
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.05 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.1236 | LCC = 0.6232 | SRCC = 0.5956 ] [SYS][ MSE = 0.7339 | LCC = 0.9661 | SRCC = 0.9296 ]
[Valid(teacher)][8][UTT][ GML = 0.142394 | AML = 0.301730 | MoV = 0.372256 | VoV = 0.003400 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004343 | VoV = 0.000012 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=0.19558781385421753
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.64 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.1537 | LCC = 0.6196 | SRCC = 0.5963 ] [SYS][ MSE = 0.7625 | LCC = 0.9666 | SRCC = 0.9255 ]
[Valid(teacher)][9][UTT][ GML = 0.133067 | AML = 0.297952 | MoV = 0.362005 | VoV = 0.003074 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004222 | VoV = 0.000012 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.178058400750016022
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.71 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.1992 | LCC = 0.6153 | SRCC = 0.5941 ] [SYS][ MSE = 0.8070 | LCC = 0.9673 | SRCC = 0.9330 ]
[Valid(teacher)][10][UTT][ GML = 0.121446 | AML = 0.291585 | MoV = 0.353197 | VoV = 0.002942 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004115 | VoV = 0.000011 ]
Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=0.15759004652500153
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.84 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.2558 | LCC = 0.6090 | SRCC = 0.5919 ] [SYS][ MSE = 0.8619 | LCC = 0.9669 | SRCC = 0.9364 ]
[Valid(teacher)][11][UTT][ GML = 0.107102 | AML = 0.283690 | MoV = 0.341376 | VoV = 0.002841 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003976 | VoV = 0.000010 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.13981427252292633
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.27 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.2552 | LCC = 0.6047 | SRCC = 0.5911 ] [SYS][ MSE = 0.8556 | LCC = 0.9666 | SRCC = 0.9323 ]
[Valid(teacher)][12][UTT][ GML = 0.103021 | AML = 0.284549 | MoV = 0.331926 | VoV = 0.002751 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003861 | VoV = 0.000009 ]
Train: 100% 845/845 [03:20<00:00,  4.21 step/s]
Average loss=0.12397672235965729
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.89 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.2400 | LCC = 0.6037 | SRCC = 0.5925 ] [SYS][ MSE = 0.8398 | LCC = 0.9669 | SRCC = 0.9391 ]
[Valid(teacher)][13][UTT][ GML = 0.103762 | AML = 0.286751 | MoV = 0.327969 | VoV = 0.002514 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003809 | VoV = 0.000009 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.10959920287132263
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.52 step/s]

[Valid(teacher)][14][UTT][ MSE = 1.1432 | LCC = 0.6058 | SRCC = 0.5934 ] [SYS][ MSE = 0.7273 | LCC = 0.9681 | SRCC = 0.9364 ]
[Valid(teacher)][14][UTT][ GML = 0.120127 | AML = 0.302425 | MoV = 0.329411 | VoV = 0.002498 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003808 | VoV = 0.000009 ]
Train: 100% 845/845 [03:20<00:00,  4.21 step/s]
Average loss=0.09932048618793488
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.38 step/s]

[Valid(teacher)][15][UTT][ MSE = 1.1242 | LCC = 0.6076 | SRCC = 0.5952 ] [SYS][ MSE = 0.7012 | LCC = 0.9688 | SRCC = 0.9378 ]
[Valid(teacher)][15][UTT][ GML = 0.121450 | AML = 0.306281 | MoV = 0.325237 | VoV = 0.002702 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003761 | VoV = 0.000008 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=0.0780392438173294
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.68 step/s]

[Valid(teacher)][16][UTT][ MSE = 1.0394 | LCC = 0.6100 | SRCC = 0.5944 ] [SYS][ MSE = 0.6031 | LCC = 0.9690 | SRCC = 0.9350 ]
[Valid(teacher)][16][UTT][ GML = 0.137762 | AML = 0.321614 | MoV = 0.325779 | VoV = 0.002607 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003752 | VoV = 0.000008 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=0.06363188475370407
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.19 step/s]

[Valid(teacher)][17][UTT][ MSE = 1.0526 | LCC = 0.6083 | SRCC = 0.5932 ] [SYS][ MSE = 0.6165 | LCC = 0.9690 | SRCC = 0.9289 ]
[Valid(teacher)][17][UTT][ GML = 0.131688 | AML = 0.319636 | MoV = 0.320156 | VoV = 0.002661 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003694 | VoV = 0.000008 ]
Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=0.0507719777775244713
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.13 step/s]

[Valid(teacher)][18][UTT][ MSE = 1.0772 | LCC = 0.6083 | SRCC = 0.5941 ] [SYS][ MSE = 0.6406 | LCC = 0.9698 | SRCC = 0.9296 ]
[Valid(teacher)][18][UTT][ GML = 0.121682 | AML = 0.315811 | MoV = 0.311969 | VoV = 0.002870 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003613 | VoV = 0.000008 ]
Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=0.03848924487829204
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.97 step/s]

[Valid(teacher)][19][UTT][ MSE = 1.0150 | LCC = 0.6132 | SRCC = 0.5965 ] [SYS][ MSE = 0.5715 | LCC = 0.9709 | SRCC = 0.9385 ]
[Valid(teacher)][19][UTT][ GML = 0.133626 | AML = 0.327229 | MoV = 0.311688 | VoV = 0.002860 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003602 | VoV = 0.000008 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
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Average loss=0.02467517927289009
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.32 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.9692 | LCC = 0.6162 | SRCC = 0.5967 ] [SYS][ MSE = 0.5208 | LCC = 0.9718 | SRCC = 0.9337 ]
[Valid(teacher)][20][UTT][ GML = 0.143356 | AML = 0.336130 | MoV = 0.311503 | VoV = 0.002875 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003594 | VoV = 0.000007 ]
Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=0.007600589189678430

Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.80 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.9817 | LCC = 0.6144 | SRCC = 0.5941 ] [SYS][ MSE = 0.5301 | LCC = 0.9724 | SRCC = 0.9330 ]
[Valid(teacher)][21][UTT][ GML = 0.137457 | AML = 0.334385 | MoV = 0.307826 | VoV = 0.002982 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003556 | VoV = 0.000007 ]
Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=-0.006537856068462133
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.51 step/s]

[Valid(teacher)][22][UTT][ MSE = 1.1202 | LCC = 0.6075 | SRCC = 0.5912 ] [SYS][ MSE = 0.6805 | LCC = 0.9701 | SRCC = 0.9337 ]
[Valid(teacher)][22][UTT][ GML = 0.103137 | AML = 0.308636 | MoV = 0.296053 | VoV = 0.002985 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003447 | VoV = 0.000007 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.01958204247057438
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.90 step/s]

[Valid(teacher)][23][UTT][ MSE = 1.0774 | LCC = 0.6096 | SRCC = 0.5921 ] [SYS][ MSE = 0.6312 | LCC = 0.9713 | SRCC = 0.9337 ]
[Valid(teacher)][23][UTT][ GML = 0.109906 | AML = 0.316502 | MoV = 0.294972 | VoV = 0.002925 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003427 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.039618704468011856
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.86 step/s]

[Valid(teacher)][24][UTT][ MSE = 1.0687 | LCC = 0.6088 | SRCC = 0.5913 ] [SYS][ MSE = 0.6197 | LCC = 0.9710 | SRCC = 0.9282 ]
[Valid(teacher)][24][UTT][ GML = 0.108335 | AML = 0.318351 | MoV = 0.290969 | VoV = 0.003002 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003379 | VoV = 0.000007 ]
Train: 100% 845/845 [03:20<00:00,  4.21 step/s]
Average loss=-0.04484807699918747
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.68 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.9342 | LCC = 0.6177 | SRCC = 0.5969 ] [SYS][ MSE = 0.4775 | LCC = 0.9728 | SRCC = 0.9296 ]
[Valid(teacher)][25][UTT][ GML = 0.140471 | AML = 0.344472 | MoV = 0.296129 | VoV = 0.002945 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003424 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.05784988775849342
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.04 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.8704 | LCC = 0.6220 | SRCC = 0.5998 ] [SYS][ MSE = 0.4133 | LCC = 0.9736 | SRCC = 0.9282 ]
[Valid(teacher)][26][UTT][ GML = 0.158734 | AML = 0.357418 | MoV = 0.298077 | VoV = 0.002811 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003433 | VoV = 0.000007 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.07499421387910843
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.93 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.9076 | LCC = 0.6185 | SRCC = 0.5954 ] [SYS][ MSE = 0.4487 | LCC = 0.9738 | SRCC = 0.9309 ]
[Valid(teacher)][27][UTT][ GML = 0.144711 | AML = 0.350312 | MoV = 0.293049 | VoV = 0.002903 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003389 | VoV = 0.000007 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.08476750552654266
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.09 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.9265 | LCC = 0.6164 | SRCC = 0.5932 ] [SYS][ MSE = 0.4714 | LCC = 0.9732 | SRCC = 0.9350 ]
[Valid(teacher)][28][UTT][ GML = 0.139125 | AML = 0.346863 | MoV = 0.290442 | VoV = 0.002731 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003359 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.10063217580318451
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.95 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.9218 | LCC = 0.6174 | SRCC = 0.5946 ] [SYS][ MSE = 0.4672 | LCC = 0.9741 | SRCC = 0.9350 ]
[Valid(teacher)][29][UTT][ GML = 0.138403 | AML = 0.348053 | MoV = 0.286748 | VoV = 0.002630 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003319 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.10834848135709763
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.58 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.8678 | LCC = 0.6208 | SRCC = 0.5959 ] [SYS][ MSE = 0.4046 | LCC = 0.9758 | SRCC = 0.9344 ]
[Valid(teacher)][30][UTT][ GML = 0.152238 | AML = 0.359554 | MoV = 0.287280 | VoV = 0.002711 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003316 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.11853908747434616
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.87 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.8743 | LCC = 0.6210 | SRCC = 0.5963 ] [SYS][ MSE = 0.4095 | LCC = 0.9761 | SRCC = 0.9378 ]
[Valid(teacher)][31][UTT][ GML = 0.146685 | AML = 0.358555 | MoV = 0.283321 | VoV = 0.002859 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003274 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.13758981227874756
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.46 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.8337 | LCC = 0.6248 | SRCC = 0.5997 ] [SYS][ MSE = 0.3690 | LCC = 0.9769 | SRCC = 0.9398 ]
[Valid(teacher)][32][UTT][ GML = 0.158443 | AML = 0.367703 | MoV = 0.284019 | VoV = 0.002816 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003277 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.1449807733297348
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.23 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.7841 | LCC = 0.6290 | SRCC = 0.6017 ] [SYS][ MSE = 0.3221 | LCC = 0.9779 | SRCC = 0.9439 ]
[Valid(teacher)][33][UTT][ GML = 0.173641 | AML = 0.379765 | MoV = 0.281547 | VoV = 0.002626 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.003238 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.15544065833091736
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.44 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.7992 | LCC = 0.6264 | SRCC = 0.6001 ] [SYS][ MSE = 0.3332 | LCC = 0.9775 | SRCC = 0.9432 ]
[Valid(teacher)][34][UTT][ GML = 0.163731 | AML = 0.377202 | MoV = 0.276678 | VoV = 0.002857 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003201 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.1693485826253891
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.38 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.7795 | LCC = 0.6277 | SRCC = 0.6008 ] [SYS][ MSE = 0.3109 | LCC = 0.9786 | SRCC = 0.9439 ]
[Valid(teacher)][35][UTT][ GML = 0.168502 | AML = 0.382062 | MoV = 0.273833 | VoV = 0.002755 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.003168 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.18054795265197754
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.92 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.7626 | LCC = 0.6265 | SRCC = 0.5983 ] [SYS][ MSE = 0.2902 | LCC = 0.9790 | SRCC = 0.9446 ]
[Valid(teacher)][36][UTT][ GML = 0.175295 | AML = 0.386112 | MoV = 0.273783 | VoV = 0.002546 ] [SYS][ GML = 0.000000 | AML = 0.000003 | MoV = 0.003158 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.1846560537815094
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.17 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.7417 | LCC = 0.6271 | SRCC = 0.5991 ] [SYS][ MSE = 0.2682 | LCC = 0.9792 | SRCC = 0.9446 ]
[Valid(teacher)][37][UTT][ GML = 0.183599 | AML = 0.390899 | MoV = 0.275088 | VoV = 0.002492 ] [SYS][ GML = 0.000000 | AML = 0.000039 | MoV = 0.003173 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.19933786988258362
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.17 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.6759 | LCC = 0.6324 | SRCC = 0.6028 ] [SYS][ MSE = 0.2065 | LCC = 0.9804 | SRCC = 0.9501 ]
[Valid(teacher)][38][UTT][ GML = 0.209858 | AML = 0.407265 | MoV = 0.275146 | VoV = 0.002385 ] [SYS][ GML = 0.000000 | AML = 0.003945 | MoV = 0.003153 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.20760855078697205
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.81 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.7173 | LCC = 0.6296 | SRCC = 0.6006 ] [SYS][ MSE = 0.2467 | LCC = 0.9793 | SRCC = 0.9439 ]
[Valid(teacher)][39][UTT][ GML = 0.188550 | AML = 0.397832 | MoV = 0.270393 | VoV = 0.002563 ] [SYS][ GML = 0.000000 | AML = 0.000207 | MoV = 0.003114 | VoV = 0.000006 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=-0.21472705900669098
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.23 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.7319 | LCC = 0.6288 | SRCC = 0.6011 ] [SYS][ MSE = 0.2632 | LCC = 0.9799 | SRCC = 0.9439 ]
[Valid(teacher)][40][UTT][ GML = 0.180247 | AML = 0.394462 | MoV = 0.267461 | VoV = 0.002696 ] [SYS][ GML = 0.000000 | AML = 0.000018 | MoV = 0.003102 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.22794876992702484
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.84 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.7202 | LCC = 0.6276 | SRCC = 0.5996 ] [SYS][ MSE = 0.2463 | LCC = 0.9799 | SRCC = 0.9494 ]
[Valid(teacher)][41][UTT][ GML = 0.182338 | AML = 0.397364 | MoV = 0.266314 | VoV = 0.002769 ] [SYS][ GML = 0.000000 | AML = 0.000151 | MoV = 0.003078 | VoV = 0.000006 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.23635485768318176
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.93 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.7467 | LCC = 0.6258 | SRCC = 0.5977 ] [SYS][ MSE = 0.2752 | LCC = 0.9805 | SRCC = 0.9508 ]
[Valid(teacher)][42][UTT][ GML = 0.171324 | AML = 0.391216 | MoV = 0.264450 | VoV = 0.002781 ] [SYS][ GML = 0.000000 | AML = 0.000006 | MoV = 0.003058 | VoV = 0.000006 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.24775980412960052
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.78 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.6940 | LCC = 0.6288 | SRCC = 0.6004 ] [SYS][ MSE = 0.2207 | LCC = 0.9808 | SRCC = 0.9426 ]
[Valid(teacher)][43][UTT][ GML = 0.192486 | AML = 0.403999 | MoV = 0.265153 | VoV = 0.002634 ] [SYS][ GML = 0.000000 | AML = 0.000614 | MoV = 0.003054 | VoV = 0.000005 ]
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Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=-0.2588271200656891
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.28 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.6947 | LCC = 0.6292 | SRCC = 0.6010 ] [SYS][ MSE = 0.2209 | LCC = 0.9801 | SRCC = 0.9426 ]
[Valid(teacher)][44][UTT][ GML = 0.190583 | AML = 0.403961 | MoV = 0.261964 | VoV = 0.002515 ] [SYS][ GML = 0.000000 | AML = 0.000620 | MoV = 0.003021 | VoV = 0.000005 ]
Train: 100% 845/845 [03:21<00:00,  4.18 step/s]
Average loss=-0.26672834157943726
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.69 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.6821 | LCC = 0.6309 | SRCC = 0.6018 ] [SYS][ MSE = 0.2124 | LCC = 0.9808 | SRCC = 0.9487 ]
[Valid(teacher)][45][UTT][ GML = 0.197014 | AML = 0.406841 | MoV = 0.262359 | VoV = 0.002467 ] [SYS][ GML = 0.000000 | AML = 0.001133 | MoV = 0.003021 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.27616333961486816
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.31 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.6604 | LCC = 0.6311 | SRCC = 0.6017 ] [SYS][ MSE = 0.1861 | LCC = 0.9803 | SRCC = 0.9487 ]
[Valid(teacher)][46][UTT][ GML = 0.203143 | AML = 0.412493 | MoV = 0.259880 | VoV = 0.002498 ] [SYS][ GML = 0.000000 | AML = 0.006082 | MoV = 0.002995 | VoV = 0.000005 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.2871018946170807
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.92 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.7159 | LCC = 0.6278 | SRCC = 0.5988 ] [SYS][ MSE = 0.2443 | LCC = 0.9802 | SRCC = 0.9432 ]
[Valid(teacher)][47][UTT][ GML = 0.178152 | AML = 0.399350 | MoV = 0.259161 | VoV = 0.002738 ] [SYS][ GML = 0.000000 | AML = 0.000034 | MoV = 0.003009 | VoV = 0.000006 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.29406100511550903
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.08 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.6668 | LCC = 0.6287 | SRCC = 0.5992 ] [SYS][ MSE = 0.1955 | LCC = 0.9807 | SRCC = 0.9419 ]
[Valid(teacher)][48][UTT][ GML = 0.201485 | AML = 0.411081 | MoV = 0.260602 | VoV = 0.002377 ] [SYS][ GML = 0.000000 | AML = 0.001693 | MoV = 0.003004 | VoV = 0.000005 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.3053097724914551
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.11 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.6571 | LCC = 0.6273 | SRCC = 0.5975 ] [SYS][ MSE = 0.1799 | LCC = 0.9799 | SRCC = 0.9487 ]
[Valid(teacher)][49][UTT][ GML = 0.201940 | AML = 0.414461 | MoV = 0.255836 | VoV = 0.002317 ] [SYS][ GML = 0.000000 | AML = 0.011308 | MoV = 0.002949 | VoV = 0.000005 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.3169271647930145
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.51 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.6858 | LCC = 0.6245 | SRCC = 0.5945 ] [SYS][ MSE = 0.2061 | LCC = 0.9803 | SRCC = 0.9487 ]
[Valid(teacher)][50][UTT][ GML = 0.184485 | AML = 0.408020 | MoV = 0.250960 | VoV = 0.002499 ] [SYS][ GML = 0.000000 | AML = 0.002527 | MoV = 0.002910 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.3227255940437317
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.63 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.6006 | LCC = 0.6315 | SRCC = 0.6008 ] [SYS][ MSE = 0.1263 | LCC = 0.9805 | SRCC = 0.9480 ]
[Valid(teacher)][51][UTT][ GML = 0.225982 | AML = 0.429970 | MoV = 0.251732 | VoV = 0.002189 ] [SYS][ GML = 0.000000 | AML = 0.172300 | MoV = 0.002888 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.3348042368888855
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.48 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.6214 | LCC = 0.6312 | SRCC = 0.6005 ] [SYS][ MSE = 0.1469 | LCC = 0.9808 | SRCC = 0.9480 ]
[Valid(teacher)][52][UTT][ GML = 0.211528 | AML = 0.425263 | MoV = 0.246753 | VoV = 0.002237 ] [SYS][ GML = 0.000000 | AML = 0.060404 | MoV = 0.002842 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.33845266699790955
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.02 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5683 | LCC = 0.6345 | SRCC = 0.6046 ] [SYS][ MSE = 0.0940 | LCC = 0.9807 | SRCC = 0.9480 ]
[Valid(teacher)][53][UTT][ GML = 0.241708 | AML = 0.439399 | MoV = 0.247826 | VoV = 0.001939 ] [SYS][ GML = 0.000000 | AML = 0.267909 | MoV = 0.002823 | VoV = 0.000004 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.35885336995124817
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.74 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.6091 | LCC = 0.6316 | SRCC = 0.6012 ] [SYS][ MSE = 0.1351 | LCC = 0.9811 | SRCC = 0.9453 ]
[Valid(teacher)][54][UTT][ GML = 0.215465 | AML = 0.429157 | MoV = 0.242589 | VoV = 0.002063 ] [SYS][ GML = 0.000000 | AML = 0.084693 | MoV = 0.002790 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.3688983619213104
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.73 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5829 | LCC = 0.6317 | SRCC = 0.6018 ] [SYS][ MSE = 0.1034 | LCC = 0.9804 | SRCC = 0.9378 ]
[Valid(teacher)][55][UTT][ GML = 0.227338 | AML = 0.436632 | MoV = 0.241344 | VoV = 0.002039 ] [SYS][ GML = 0.000000 | AML = 0.254753 | MoV = 0.002759 | VoV = 0.000004 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.3814675509929657
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.09 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5368 | LCC = 0.6340 | SRCC = 0.6036 ] [SYS][ MSE = 0.0580 | LCC = 0.9807 | SRCC = 0.9446 ]
[Valid(teacher)][56][UTT][ GML = 0.255368 | AML = 0.450163 | MoV = 0.240021 | VoV = 0.001740 ] [SYS][ GML = 0.000048 | AML = 0.377356 | MoV = 0.002713 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.38334429264068604
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.61 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5492 | LCC = 0.6337 | SRCC = 0.6024 ] [SYS][ MSE = 0.0726 | LCC = 0.9813 | SRCC = 0.9487 ]
[Valid(teacher)][57][UTT][ GML = 0.246417 | AML = 0.446725 | MoV = 0.238308 | VoV = 0.001838 ] [SYS][ GML = 0.000001 | AML = 0.358399 | MoV = 0.002701 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.39758792519569397
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.54 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5313 | LCC = 0.6338 | SRCC = 0.6033 ] [SYS][ MSE = 0.0515 | LCC = 0.9809 | SRCC = 0.9453 ]
[Valid(teacher)][58][UTT][ GML = 0.254349 | AML = 0.454199 | MoV = 0.235136 | VoV = 0.001802 ] [SYS][ GML = 0.000166 | AML = 0.669110 | MoV = 0.002648 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.40535181760787964
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.03 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5308 | LCC = 0.6341 | SRCC = 0.6034 ] [SYS][ MSE = 0.0513 | LCC = 0.9802 | SRCC = 0.9453 ]
[Valid(teacher)][59][UTT][ GML = 0.254692 | AML = 0.454294 | MoV = 0.234405 | VoV = 0.001792 ] [SYS][ GML = 0.000170 | AML = 0.764257 | MoV = 0.002646 | VoV = 0.000004 ]
Train: 100% 845/845 [03:21<00:00,  4.20 step/s]
Average loss=-0.41860231757164
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.52 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5393 | LCC = 0.6331 | SRCC = 0.6020 ] [SYS][ MSE = 0.0631 | LCC = 0.9808 | SRCC = 0.9446 ]
[Valid(teacher)][60][UTT][ GML = 0.247337 | AML = 0.452104 | MoV = 0.230838 | VoV = 0.001760 ] [SYS][ GML = 0.000010 | AML = 0.511280 | MoV = 0.002616 | 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 [00:20<00:00, 193.12 step/s]

[Test(best)][61][UTT][ MSE = 0.5477 | LCC = 0.6469 | SRCC = 0.6159 ] [SYS][ MSE = 0.0795 | LCC = 0.9834 | SRCC = 0.9802 ]
[Test(best)][61][UTT][ GML = 0.248723 | AML = 0.452956 | MoV = 0.247805 | VoV = 0.001955 ] [SYS][ GML = 0.000000 | AML = 0.188982 | MoV = 0.002052 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:19<00:00, 201.92 step/s]

[Test(last)][61][UTT][ MSE = 0.5178 | LCC = 0.6485 | SRCC = 0.6169 ] [SYS][ MSE = 0.0520 | LCC = 0.9837 | SRCC = 0.9774 ]
[Test(last)][61][UTT][ GML = 0.255485 | AML = 0.466130 | MoV = 0.231527 | VoV = 0.001791 ] [SYS][ GML = 0.000026 | AML = 0.625053 | MoV = 0.001909 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node009 ProMOSNet]$
```