```
(lxygpu) [x_xlian@node019 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1-no-sgn/run1"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:52<00:00, 114.35it/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, 28.79it/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 [02:21<00:00, 28.26it/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 [03:27<00:00,  4.08 step/s]
Average loss=95606.9140625
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.42 step/s]

[Valid(teacher)][0][UTT][ MSE = 3.7261 | LCC = 0.4776 | SRCC = 0.4589 ] [SYS][ MSE = 3.6250 | LCC = 0.8248 | SRCC = 0.8031 ]
[Valid(teacher)][0][UTT][ GML = 0.010240 | AML = 0.095220 | MoV = 0.469964 | VoV = 0.012107 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005554 | VoV = 0.000025 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.5341479182243347
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.60 step/s]

[Valid(teacher)][1][UTT][ MSE = 2.4764 | LCC = 0.5590 | SRCC = 0.5251 ] [SYS][ MSE = 2.1612 | LCC = 0.9176 | SRCC = 0.8427 ]
[Valid(teacher)][1][UTT][ GML = 0.011757 | AML = 0.142312 | MoV = 0.348573 | VoV = 0.013579 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004380 | VoV = 0.000023 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.4240584075450897
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.37 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.6114 | LCC = 0.5935 | SRCC = 0.5546 ] [SYS][ MSE = 1.2217 | LCC = 0.9390 | SRCC = 0.8865 ]
[Valid(teacher)][2][UTT][ GML = 0.057334 | AML = 0.226399 | MoV = 0.376870 | VoV = 0.011312 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004636 | VoV = 0.000021 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.37740883231163025
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.75 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.3533 | LCC = 0.6059 | SRCC = 0.5648 ] [SYS][ MSE = 0.9552 | LCC = 0.9462 | SRCC = 0.8981 ]
[Valid(teacher)][3][UTT][ GML = 0.090909 | AML = 0.262789 | MoV = 0.375915 | VoV = 0.007888 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004519 | VoV = 0.000017 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.3459850549697876
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.52 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.0041 | LCC = 0.6176 | SRCC = 0.5782 ] [SYS][ MSE = 0.6031 | LCC = 0.9537 | SRCC = 0.9063 ]
[Valid(teacher)][4][UTT][ GML = 0.170444 | AML = 0.319744 | MoV = 0.400636 | VoV = 0.005764 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004725 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.32507166266441345
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.37 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.9056 | LCC = 0.6220 | SRCC = 0.5817 ] [SYS][ MSE = 0.4975 | LCC = 0.9571 | SRCC = 0.9091 ]
[Valid(teacher)][5][UTT][ GML = 0.197251 | AML = 0.336193 | MoV = 0.408783 | VoV = 0.005403 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004786 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.30578938126564026
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.52 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.7354 | LCC = 0.6298 | SRCC = 0.5896 ] [SYS][ MSE = 0.3208 | LCC = 0.9631 | SRCC = 0.9186 ]
[Valid(teacher)][6][UTT][ GML = 0.251020 | AML = 0.366093 | MoV = 0.422975 | VoV = 0.004581 ] [SYS][ GML = 0.000000 | AML = 0.000509 | MoV = 0.004886 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.28698793053627014
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.56 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.6837 | LCC = 0.6349 | SRCC = 0.5954 ] [SYS][ MSE = 0.2714 | LCC = 0.9676 | SRCC = 0.9303 ]
[Valid(teacher)][7][UTT][ GML = 0.269952 | AML = 0.375669 | MoV = 0.425704 | VoV = 0.004048 ] [SYS][ GML = 0.000000 | AML = 0.002713 | MoV = 0.004895 | VoV = 0.000014 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.2720663249492645
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.81 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.6510 | LCC = 0.6392 | SRCC = 0.6010 ] [SYS][ MSE = 0.2398 | LCC = 0.9722 | SRCC = 0.9309 ]
[Valid(teacher)][8][UTT][ GML = 0.281219 | AML = 0.382474 | MoV = 0.422684 | VoV = 0.003737 ] [SYS][ GML = 0.000000 | AML = 0.004172 | MoV = 0.004842 | VoV = 0.000013 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.2516160011291504
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.20 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.6454 | LCC = 0.6426 | SRCC = 0.6055 ] [SYS][ MSE = 0.2354 | LCC = 0.9749 | SRCC = 0.9309 ]
[Valid(teacher)][9][UTT][ GML = 0.282397 | AML = 0.384285 | MoV = 0.416974 | VoV = 0.003505 ] [SYS][ GML = 0.000000 | AML = 0.002610 | MoV = 0.004768 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.23391026258468628
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.48 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.6073 | LCC = 0.6462 | SRCC = 0.6084 ] [SYS][ MSE = 0.1944 | LCC = 0.9774 | SRCC = 0.9323 ]
[Valid(teacher)][10][UTT][ GML = 0.295549 | AML = 0.392529 | MoV = 0.415010 | VoV = 0.003297 ] [SYS][ GML = 0.000000 | AML = 0.013162 | MoV = 0.004722 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2183578610420227
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.07 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.6069 | LCC = 0.6476 | SRCC = 0.6112 ] [SYS][ MSE = 0.1953 | LCC = 0.9780 | SRCC = 0.9357 ]
[Valid(teacher)][11][UTT][ GML = 0.294455 | AML = 0.393854 | MoV = 0.407652 | VoV = 0.003184 ] [SYS][ GML = 0.000000 | AML = 0.010996 | MoV = 0.004639 | VoV = 0.000011 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.200350821018219
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.80 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.6748 | LCC = 0.6426 | SRCC = 0.6086 ] [SYS][ MSE = 0.2662 | LCC = 0.9758 | SRCC = 0.9234 ]
[Valid(teacher)][12][UTT][ GML = 0.267086 | AML = 0.382148 | MoV = 0.393426 | VoV = 0.003270 ] [SYS][ GML = 0.000000 | AML = 0.000358 | MoV = 0.004511 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.18184277415275574
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.41 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.6446 | LCC = 0.6440 | SRCC = 0.6093 ] [SYS][ MSE = 0.2317 | LCC = 0.9766 | SRCC = 0.9337 ]
[Valid(teacher)][13][UTT][ GML = 0.276520 | AML = 0.389311 | MoV = 0.389298 | VoV = 0.003173 ] [SYS][ GML = 0.000000 | AML = 0.001782 | MoV = 0.004440 | VoV = 0.000011 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.16744527220726013
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.41 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.6237 | LCC = 0.6490 | SRCC = 0.6139 ] [SYS][ MSE = 0.2131 | LCC = 0.9785 | SRCC = 0.9371 ]
[Valid(teacher)][14][UTT][ GML = 0.282270 | AML = 0.394872 | MoV = 0.382135 | VoV = 0.003113 ] [SYS][ GML = 0.000000 | AML = 0.002347 | MoV = 0.004346 | VoV = 0.000010 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.14848896861076355
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.87 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.6059 | LCC = 0.6506 | SRCC = 0.6153 ] [SYS][ MSE = 0.1930 | LCC = 0.9795 | SRCC = 0.9350 ]
[Valid(teacher)][15][UTT][ GML = 0.287665 | AML = 0.400163 | MoV = 0.376131 | VoV = 0.002962 ] [SYS][ GML = 0.000000 | AML = 0.006087 | MoV = 0.004261 | VoV = 0.000009 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.13379766047000885
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.16 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.5858 | LCC = 0.6514 | SRCC = 0.6155 ] [SYS][ MSE = 0.1692 | LCC = 0.9806 | SRCC = 0.9385 ]
[Valid(teacher)][16][UTT][ GML = 0.294640 | AML = 0.405962 | MoV = 0.371063 | VoV = 0.002749 ] [SYS][ GML = 0.000000 | AML = 0.015737 | MoV = 0.004182 | VoV = 0.000009 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.11870767921209335
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.14 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.5710 | LCC = 0.6527 | SRCC = 0.6162 ] [SYS][ MSE = 0.1524 | LCC = 0.9820 | SRCC = 0.9432 ]
[Valid(teacher)][17][UTT][ GML = 0.299056 | AML = 0.410509 | MoV = 0.365646 | VoV = 0.002743 ] [SYS][ GML = 0.000000 | AML = 0.027397 | MoV = 0.004110 | VoV = 0.000008 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.10012899339199066
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.70 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.5811 | LCC = 0.6502 | SRCC = 0.6139 ] [SYS][ MSE = 0.1606 | LCC = 0.9807 | SRCC = 0.9419 ]
[Valid(teacher)][18][UTT][ GML = 0.292865 | AML = 0.409642 | MoV = 0.359292 | VoV = 0.002714 ] [SYS][ GML = 0.000000 | AML = 0.017809 | MoV = 0.004039 | VoV = 0.000008 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.0857159197330724749
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.58 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.6008 | LCC = 0.6486 | SRCC = 0.6127 ] [SYS][ MSE = 0.1799 | LCC = 0.9808 | SRCC = 0.9344 ]
[Valid(teacher)][19][UTT][ GML = 0.282598 | AML = 0.406567 | MoV = 0.352569 | VoV = 0.002724 ] [SYS][ GML = 0.000000 | AML = 0.004259 | MoV = 0.003973 | VoV = 0.000008 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
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Average loss=0.07171237468719482
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.55 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.6022 | LCC = 0.6482 | SRCC = 0.6123 ] [SYS][ MSE = 0.1797 | LCC = 0.9808 | SRCC = 0.9344 ]
[Valid(teacher)][20][UTT][ GML = 0.280380 | AML = 0.407270 | MoV = 0.348134 | VoV = 0.002705 ] [SYS][ GML = 0.000000 | AML = 0.003425 | MoV = 0.003919 | VoV = 0.000007 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.05415263026952435
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.80 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.5882 | LCC = 0.6499 | SRCC = 0.6133 ] [SYS][ MSE = 0.1645 | LCC = 0.9815 | SRCC = 0.9467 ]
[Valid(teacher)][21][UTT][ GML = 0.284157 | AML = 0.412211 | MoV = 0.342274 | VoV = 0.002627 ] [SYS][ GML = 0.000000 | AML = 0.006949 | MoV = 0.003842 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.0401388204890251
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.33 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.5735 | LCC = 0.6524 | SRCC = 0.6153 ] [SYS][ MSE = 0.1508 | LCC = 0.9823 | SRCC = 0.9419 ]
[Valid(teacher)][22][UTT][ GML = 0.289854 | AML = 0.416426 | MoV = 0.339431 | VoV = 0.002574 ] [SYS][ GML = 0.000000 | AML = 0.011071 | MoV = 0.003800 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.02563269463594055
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.83 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.5571 | LCC = 0.6551 | SRCC = 0.6175 ] [SYS][ MSE = 0.1344 | LCC = 0.9834 | SRCC = 0.9439 ]
[Valid(teacher)][23][UTT][ GML = 0.295810 | AML = 0.421483 | MoV = 0.336292 | VoV = 0.002557 ] [SYS][ GML = 0.000000 | AML = 0.024378 | MoV = 0.003760 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.01080607159941196
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.02 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.5377 | LCC = 0.6558 | SRCC = 0.6180 ] [SYS][ MSE = 0.1125 | LCC = 0.9830 | SRCC = 0.9426 ]
[Valid(teacher)][24][UTT][ GML = 0.302914 | AML = 0.428276 | MoV = 0.331617 | VoV = 0.002541 ] [SYS][ GML = 0.000000 | AML = 0.075539 | MoV = 0.003699 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.0031495438888669014
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.77 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.5252 | LCC = 0.6566 | SRCC = 0.6186 ] [SYS][ MSE = 0.0998 | LCC = 0.9834 | SRCC = 0.9419 ]
[Valid(teacher)][25][UTT][ GML = 0.307915 | AML = 0.432227 | MoV = 0.328911 | VoV = 0.002488 ] [SYS][ GML = 0.000001 | AML = 0.137504 | MoV = 0.003670 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.013195757754147053
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.22 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.5200 | LCC = 0.6574 | SRCC = 0.6189 ] [SYS][ MSE = 0.0941 | LCC = 0.9841 | SRCC = 0.9432 ]
[Valid(teacher)][26][UTT][ GML = 0.308514 | AML = 0.434799 | MoV = 0.323545 | VoV = 0.002455 ] [SYS][ GML = 0.000002 | AML = 0.134553 | MoV = 0.003609 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.023230502381920815
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.48 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.5279 | LCC = 0.6567 | SRCC = 0.6183 ] [SYS][ MSE = 0.1006 | LCC = 0.9841 | SRCC = 0.9432 ]
[Valid(teacher)][27][UTT][ GML = 0.302329 | AML = 0.434444 | MoV = 0.317666 | VoV = 0.002487 ] [SYS][ GML = 0.000000 | AML = 0.089141 | MoV = 0.003546 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.03863241523504257
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.32 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5104 | LCC = 0.6575 | SRCC = 0.6187 ] [SYS][ MSE = 0.0803 | LCC = 0.9845 | SRCC = 0.9364 ]
[Valid(teacher)][28][UTT][ GML = 0.309280 | AML = 0.440502 | MoV = 0.312593 | VoV = 0.002432 ] [SYS][ GML = 0.000009 | AML = 0.228073 | MoV = 0.003481 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.05300884321331978
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.11 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.4876 | LCC = 0.6601 | SRCC = 0.6208 ] [SYS][ MSE = 0.0584 | LCC = 0.9851 | SRCC = 0.9426 ]
[Valid(teacher)][29][UTT][ GML = 0.320250 | AML = 0.448043 | MoV = 0.308864 | VoV = 0.002399 ] [SYS][ GML = 0.000390 | AML = 0.774300 | MoV = 0.003432 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.06245724856853485
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.03 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.4820 | LCC = 0.6613 | SRCC = 0.6216 ] [SYS][ MSE = 0.0530 | LCC = 0.9855 | SRCC = 0.9494 ]
[Valid(teacher)][30][UTT][ GML = 0.322380 | AML = 0.450440 | MoV = 0.306736 | VoV = 0.002464 ] [SYS][ GML = 0.000944 | AML = 0.973730 | MoV = 0.003403 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.07477890700101852
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.33 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.4869 | LCC = 0.6607 | SRCC = 0.6206 ] [SYS][ MSE = 0.0564 | LCC = 0.9856 | SRCC = 0.9467 ]
[Valid(teacher)][31][UTT][ GML = 0.317792 | AML = 0.450142 | MoV = 0.302502 | VoV = 0.002517 ] [SYS][ GML = 0.000419 | AML = 0.823480 | MoV = 0.003363 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.08572652190923691
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.39 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.4809 | LCC = 0.6607 | SRCC = 0.6200 ] [SYS][ MSE = 0.0485 | LCC = 0.9857 | SRCC = 0.9494 ]
[Valid(teacher)][32][UTT][ GML = 0.319318 | AML = 0.452815 | MoV = 0.299374 | VoV = 0.002616 ] [SYS][ GML = 0.001492 | AML = 1.205181 | MoV = 0.003328 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.10227547585964203
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.28 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.4895 | LCC = 0.6590 | SRCC = 0.6188 ] [SYS][ MSE = 0.0575 | LCC = 0.9857 | SRCC = 0.9535 ]
[Valid(teacher)][33][UTT][ GML = 0.312952 | AML = 0.451052 | MoV = 0.295790 | VoV = 0.002605 ] [SYS][ GML = 0.000298 | AML = 0.846523 | MoV = 0.003293 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.11543871462345123
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.92 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.4906 | LCC = 0.6576 | SRCC = 0.6178 ] [SYS][ MSE = 0.0560 | LCC = 0.9851 | SRCC = 0.9494 ]
[Valid(teacher)][34][UTT][ GML = 0.309230 | AML = 0.452500 | MoV = 0.290867 | VoV = 0.002634 ] [SYS][ GML = 0.000345 | AML = 0.958994 | MoV = 0.003242 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1286284476518631
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.26 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.4972 | LCC = 0.6560 | SRCC = 0.6162 ] [SYS][ MSE = 0.0606 | LCC = 0.9856 | SRCC = 0.9521 ]
[Valid(teacher)][35][UTT][ GML = 0.303038 | AML = 0.451118 | MoV = 0.287060 | VoV = 0.002700 ] [SYS][ GML = 0.000126 | AML = 0.782475 | MoV = 0.003208 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.14087599515914917
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.06 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.4955 | LCC = 0.6553 | SRCC = 0.6155 ] [SYS][ MSE = 0.0552 | LCC = 0.9859 | SRCC = 0.9542 ]
[Valid(teacher)][36][UTT][ GML = 0.301193 | AML = 0.453631 | MoV = 0.281671 | VoV = 0.002662 ] [SYS][ GML = 0.000265 | AML = 0.979593 | MoV = 0.003156 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.14317338168621063
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.96 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.4958 | LCC = 0.6551 | SRCC = 0.6151 ] [SYS][ MSE = 0.0550 | LCC = 0.9859 | SRCC = 0.9542 ]
[Valid(teacher)][37][UTT][ GML = 0.299466 | AML = 0.454123 | MoV = 0.278802 | VoV = 0.002683 ] [SYS][ GML = 0.000248 | AML = 1.001877 | MoV = 0.003121 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1624022871255746
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.08 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.4889 | LCC = 0.6544 | SRCC = 0.6139 ] [SYS][ MSE = 0.0469 | LCC = 0.9858 | SRCC = 0.9487 ]
[Valid(teacher)][38][UTT][ GML = 0.302324 | AML = 0.456929 | MoV = 0.275697 | VoV = 0.002655 ] [SYS][ GML = 0.001142 | AML = 1.406671 | MoV = 0.003083 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.17028699815273285
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.88 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5021 | LCC = 0.6532 | SRCC = 0.6131 ] [SYS][ MSE = 0.0613 | LCC = 0.9860 | SRCC = 0.9494 ]
[Valid(teacher)][39][UTT][ GML = 0.291248 | AML = 0.453882 | MoV = 0.271851 | VoV = 0.002798 ] [SYS][ GML = 0.000069 | AML = 0.842907 | MoV = 0.003052 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.185662433505058
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.11 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5276 | LCC = 0.6495 | SRCC = 0.6095 ] [SYS][ MSE = 0.0884 | LCC = 0.9852 | SRCC = 0.9419 ]
[Valid(teacher)][40][UTT][ GML = 0.275482 | AML = 0.446241 | MoV = 0.269338 | VoV = 0.002912 ] [SYS][ GML = 0.000000 | AML = 0.307280 | MoV = 0.003034 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.19699521362781525
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.23 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.4916 | LCC = 0.6503 | SRCC = 0.6108 ] [SYS][ MSE = 0.0480 | LCC = 0.9845 | SRCC = 0.9487 ]
[Valid(teacher)][41][UTT][ GML = 0.294139 | AML = 0.457863 | MoV = 0.265866 | VoV = 0.002798 ] [SYS][ GML = 0.000965 | AML = 1.285096 | MoV = 0.002976 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.2081405520439148
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.95 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.4938 | LCC = 0.6509 | SRCC = 0.6114 ] [SYS][ MSE = 0.0482 | LCC = 0.9849 | SRCC = 0.9487 ]
[Valid(teacher)][42][UTT][ GML = 0.287533 | AML = 0.459087 | MoV = 0.260852 | VoV = 0.002983 ] [SYS][ GML = 0.000685 | AML = 1.292923 | MoV = 0.002922 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.22576624155044556
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.40 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.4886 | LCC = 0.6506 | SRCC = 0.6106 ] [SYS][ MSE = 0.0411 | LCC = 0.9850 | SRCC = 0.9487 ]
[Valid(teacher)][43][UTT][ GML = 0.287750 | AML = 0.462118 | MoV = 0.255023 | VoV = 0.002829 ] [SYS][ GML = 0.002492 | AML = 1.455721 | MoV = 0.002846 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2228272557258606
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.03 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.4900 | LCC = 0.6507 | SRCC = 0.6117 ] [SYS][ MSE = 0.0452 | LCC = 0.9854 | SRCC = 0.9494 ]
[Valid(teacher)][44][UTT][ GML = 0.287558 | AML = 0.461564 | MoV = 0.253590 | VoV = 0.002762 ] [SYS][ GML = 0.001191 | AML = 1.379221 | MoV = 0.002833 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.24482716619968414
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.73 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.4893 | LCC = 0.6496 | SRCC = 0.6103 ] [SYS][ MSE = 0.0429 | LCC = 0.9854 | SRCC = 0.9412 ]
[Valid(teacher)][45][UTT][ GML = 0.285775 | AML = 0.461954 | MoV = 0.252061 | VoV = 0.002896 ] [SYS][ GML = 0.001952 | AML = 1.402008 | MoV = 0.002819 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.25016123056411743
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.57 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.4939 | LCC = 0.6485 | SRCC = 0.6098 ] [SYS][ MSE = 0.0459 | LCC = 0.9854 | SRCC = 0.9542 ]
[Valid(teacher)][46][UTT][ GML = 0.280396 | AML = 0.461548 | MoV = 0.248914 | VoV = 0.002856 ] [SYS][ GML = 0.000976 | AML = 1.406538 | MoV = 0.002792 | VoV = 0.000004 ]
Train: 100% 845/845 [03:44<00:00,  3.77 step/s]
Average loss=-0.2621808350086212
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.33 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.4955 | LCC = 0.6489 | SRCC = 0.6103 ] [SYS][ MSE = 0.0468 | LCC = 0.9851 | SRCC = 0.9419 ]
[Valid(teacher)][47][UTT][ GML = 0.276784 | AML = 0.461889 | MoV = 0.245819 | VoV = 0.002885 ] [SYS][ GML = 0.000680 | AML = 1.410286 | MoV = 0.002760 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.27625080943107605
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.19 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.4936 | LCC = 0.6500 | SRCC = 0.6115 ] [SYS][ MSE = 0.0451 | LCC = 0.9852 | SRCC = 0.9446 ]
[Valid(teacher)][48][UTT][ GML = 0.275731 | AML = 0.463469 | MoV = 0.243115 | VoV = 0.002932 ] [SYS][ GML = 0.000868 | AML = 1.452204 | MoV = 0.002726 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.28596335649490356
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.97 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.4770 | LCC = 0.6492 | SRCC = 0.6113 ] [SYS][ MSE = 0.0254 | LCC = 0.9847 | SRCC = 0.9426 ]
[Valid(teacher)][49][UTT][ GML = 0.286029 | AML = 0.470312 | MoV = 0.240687 | VoV = 0.002873 ] [SYS][ GML = 0.065938 | AML = 1.921501 | MoV = 0.002682 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2999260425567627
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.21 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.4780 | LCC = 0.6486 | SRCC = 0.6114 ] [SYS][ MSE = 0.0235 | LCC = 0.9847 | SRCC = 0.9487 ]
[Valid(teacher)][50][UTT][ GML = 0.280842 | AML = 0.472014 | MoV = 0.235475 | VoV = 0.002883 ] [SYS][ GML = 0.092800 | AML = 2.152500 | MoV = 0.002624 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.3059287965297699
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.74 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.4806 | LCC = 0.6474 | SRCC = 0.6108 ] [SYS][ MSE = 0.0262 | LCC = 0.9839 | SRCC = 0.9460 ]
[Valid(teacher)][51][UTT][ GML = 0.277467 | AML = 0.472130 | MoV = 0.233633 | VoV = 0.002815 ] [SYS][ GML = 0.053163 | AML = 1.949316 | MoV = 0.002609 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.3163793385028839
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.74 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.4828 | LCC = 0.6472 | SRCC = 0.6107 ] [SYS][ MSE = 0.0269 | LCC = 0.9841 | SRCC = 0.9460 ]
[Valid(teacher)][52][UTT][ GML = 0.273724 | AML = 0.472007 | MoV = 0.231010 | VoV = 0.002785 ] [SYS][ GML = 0.042310 | AML = 2.105067 | MoV = 0.002576 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.32744666934013367
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.32 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.4843 | LCC = 0.6453 | SRCC = 0.6092 ] [SYS][ MSE = 0.0263 | LCC = 0.9839 | SRCC = 0.9487 ]
[Valid(teacher)][53][UTT][ GML = 0.272086 | AML = 0.471199 | MoV = 0.230551 | VoV = 0.002898 ] [SYS][ GML = 0.049723 | AML = 1.955972 | MoV = 0.002569 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.33776330947857977
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.25 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.4917 | LCC = 0.6429 | SRCC = 0.6068 ] [SYS][ MSE = 0.0337 | LCC = 0.9842 | SRCC = 0.9446 ]
[Valid(teacher)][54][UTT][ GML = 0.265085 | AML = 0.469104 | MoV = 0.228084 | VoV = 0.002898 ] [SYS][ GML = 0.010290 | AML = 1.541563 | MoV = 0.002552 | VoV = 0.000003 ]
Train: 100% 845/845 [03:47<00:00,  3.71 step/s]
Average loss=-0.3510059714317322
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.77 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5027 | LCC = 0.6415 | SRCC = 0.6054 ] [SYS][ MSE = 0.0445 | LCC = 0.9846 | SRCC = 0.9419 ]
[Valid(teacher)][55][UTT][ GML = 0.256037 | AML = 0.465077 | MoV = 0.226344 | VoV = 0.002894 ] [SYS][ GML = 0.000760 | AML = 1.191807 | MoV = 0.002541 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3601028025150299
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.60 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.4972 | LCC = 0.6417 | SRCC = 0.6063 ] [SYS][ MSE = 0.0366 | LCC = 0.9842 | SRCC = 0.9432 ]
[Valid(teacher)][56][UTT][ GML = 0.257257 | AML = 0.466875 | MoV = 0.223813 | VoV = 0.002845 ] [SYS][ GML = 0.004095 | AML = 1.390313 | MoV = 0.002508 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3708541989326477
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.48 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.4897 | LCC = 0.6402 | SRCC = 0.6049 ] [SYS][ MSE = 0.0271 | LCC = 0.9834 | SRCC = 0.9385 ]
[Valid(teacher)][57][UTT][ GML = 0.261139 | AML = 0.470697 | MoV = 0.221560 | VoV = 0.002776 ] [SYS][ GML = 0.038805 | AML = 1.659117 | MoV = 0.002472 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3837638199329376
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.64 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4919 | LCC = 0.6383 | SRCC = 0.6025 ] [SYS][ MSE = 0.0274 | LCC = 0.9831 | SRCC = 0.9385 ]
[Valid(teacher)][58][UTT][ GML = 0.256515 | AML = 0.470758 | MoV = 0.218534 | VoV = 0.002793 ] [SYS][ GML = 0.033264 | AML = 1.618228 | MoV = 0.002437 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.3967229127883911
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.55 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5015 | LCC = 0.6373 | SRCC = 0.6017 ] [SYS][ MSE = 0.0351 | LCC = 0.9836 | SRCC = 0.9426 ]
[Valid(teacher)][59][UTT][ GML = 0.245853 | AML = 0.468502 | MoV = 0.215682 | VoV = 0.002876 ] [SYS][ GML = 0.004954 | AML = 1.342883 | MoV = 0.002413 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.40227213501930237
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.43 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4925 | LCC = 0.6360 | SRCC = 0.6005 ] [SYS][ MSE = 0.0224 | LCC = 0.9830 | SRCC = 0.9350 ]
[Valid(teacher)][60][UTT][ GML = 0.250735 | AML = 0.472309 | MoV = 0.213293 | VoV = 0.002727 ] [SYS][ GML = 0.100269 | AML = 2.055994 | MoV = 0.002373 | 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, 195.19 step/s]

[Test(best)][61][UTT][ MSE = 0.4759 | LCC = 0.6646 | SRCC = 0.6230 ] [SYS][ MSE = 0.0442 | LCC = 0.9862 | SRCC = 0.9631 ]
[Test(best)][61][UTT][ GML = 0.326980 | AML = 0.455363 | MoV = 0.306570 | VoV = 0.002392 ] [SYS][ GML = 0.001048 | AML = 0.646862 | MoV = 0.002500 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:19<00:00, 201.48 step/s]

[Test(last)][61][UTT][ MSE = 0.5017 | LCC = 0.6316 | SRCC = 0.5952 ] [SYS][ MSE = 0.0205 | LCC = 0.9829 | SRCC = 0.9556 ]
[Test(last)][61][UTT][ GML = 0.251759 | AML = 0.474616 | MoV = 0.214594 | VoV = 0.002556 ] [SYS][ GML = 0.108447 | AML = 3.227843 | MoV = 0.001744 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node019 ProMOSNet]$
```