```
(lxygpu) [x_xlian@node058 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1-no-sgn/run3"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:21<00:00, 107.69it/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 [01:50<00:00, 27.15it/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 [02:27<00:00, 27.04it/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 [03:43<00:00,  3.79 step/s]
Average loss=13639.068359375
Valid(teacher): 100% 3000/3000 [00:17<00:00, 172.28 step/s]

[Valid(teacher)][0][UTT][ MSE = 2.3339 | LCC = 0.4872 | SRCC = 0.4646 ] [SYS][ MSE = 2.1621 | LCC = 0.8016 | SRCC = 0.8345 ]
[Valid(teacher)][0][UTT][ GML = 0.077467 | AML = 0.181386 | MoV = 0.638901 | VoV = 0.016178 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.007439 | VoV = 0.000040 ]
Train: 100% 845/845 [03:44<00:00,  3.76 step/s]
Average loss=0.5331966876983643
Valid(teacher): 100% 3000/3000 [00:17<00:00, 172.94 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.0448 | LCC = 0.5729 | SRCC = 0.5389 ] [SYS][ MSE = 0.6904 | LCC = 0.8986 | SRCC = 0.8591 ]
[Valid(teacher)][1][UTT][ GML = 0.177192 | AML = 0.303961 | MoV = 0.485492 | VoV = 0.012700 ] [SYS][ GML = 0.000000 | AML = 0.004391 | MoV = 0.005842 | VoV = 0.000031 ]
Train: 100% 845/845 [03:46<00:00,  3.73 step/s]
Average loss=0.4326901137828827
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.09 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.8281 | LCC = 0.6029 | SRCC = 0.5615 ] [SYS][ MSE = 0.4573 | LCC = 0.9320 | SRCC = 0.8749 ]
[Valid(teacher)][2][UTT][ GML = 0.226462 | AML = 0.342527 | MoV = 0.451232 | VoV = 0.007670 ] [SYS][ GML = 0.000000 | AML = 0.011795 | MoV = 0.005357 | VoV = 0.000023 ]
Train: 100% 845/845 [03:47<00:00,  3.72 step/s]
Average loss=0.38270801305770874
Valid(teacher): 100% 3000/3000 [00:17<00:00, 171.95 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.8016 | LCC = 0.6162 | SRCC = 0.5725 ] [SYS][ MSE = 0.4330 | LCC = 0.9440 | SRCC = 0.8844 ]
[Valid(teacher)][3][UTT][ GML = 0.232883 | AML = 0.350173 | MoV = 0.430424 | VoV = 0.005940 ] [SYS][ GML = 0.000000 | AML = 0.000339 | MoV = 0.005075 | VoV = 0.000019 ]
Train: 100% 845/845 [03:51<00:00,  3.65 step/s]
Average loss=0.35377323627471924
Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.44 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.6851 | LCC = 0.6254 | SRCC = 0.5813 ] [SYS][ MSE = 0.3057 | LCC = 0.9560 | SRCC = 0.9063 ]
[Valid(teacher)][4][UTT][ GML = 0.272352 | AML = 0.372613 | MoV = 0.433008 | VoV = 0.004426 ] [SYS][ GML = 0.000000 | AML = 0.009168 | MoV = 0.005047 | VoV = 0.000017 ]
Train: 100% 845/845 [04:04<00:00,  3.46 step/s]
Average loss=0.32738837599754333
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.39 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.6417 | LCC = 0.6286 | SRCC = 0.5848 ] [SYS][ MSE = 0.2562 | LCC = 0.9581 | SRCC = 0.9173 ]
[Valid(teacher)][5][UTT][ GML = 0.286930 | AML = 0.380917 | MoV = 0.433645 | VoV = 0.004108 ] [SYS][ GML = 0.000000 | AML = 0.036811 | MoV = 0.005036 | VoV = 0.000016 ]
Train: 100% 845/845 [03:58<00:00,  3.54 step/s]
Average loss=0.30759933590888977
Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.56 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.6522 | LCC = 0.6320 | SRCC = 0.5890 ] [SYS][ MSE = 0.2680 | LCC = 0.9609 | SRCC = 0.9173 ]
[Valid(teacher)][6][UTT][ GML = 0.281843 | AML = 0.380583 | MoV = 0.423690 | VoV = 0.003932 ] [SYS][ GML = 0.000000 | AML = 0.017105 | MoV = 0.004921 | VoV = 0.000015 ]
Train: 100% 845/845 [04:00<00:00,  3.51 step/s]
Average loss=0.28959813714027405
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.64 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.6092 | LCC = 0.6371 | SRCC = 0.5943 ] [SYS][ MSE = 0.2183 | LCC = 0.9652 | SRCC = 0.9234 ]
[Valid(teacher)][7][UTT][ GML = 0.296183 | AML = 0.390337 | MoV = 0.418872 | VoV = 0.003545 ] [SYS][ GML = 0.000000 | AML = 0.043659 | MoV = 0.004836 | VoV = 0.000014 ]
Train: 100% 845/845 [03:59<00:00,  3.53 step/s]
Average loss=0.2690349817276001
Valid(teacher): 100% 3000/3000 [00:17<00:00, 171.75 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.6013 | LCC = 0.6399 | SRCC = 0.5977 ] [SYS][ MSE = 0.2077 | LCC = 0.9677 | SRCC = 0.9248 ]
[Valid(teacher)][8][UTT][ GML = 0.297755 | AML = 0.393629 | MoV = 0.410941 | VoV = 0.003352 ] [SYS][ GML = 0.000000 | AML = 0.038669 | MoV = 0.004724 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.2530195116996765
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.46 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.5676 | LCC = 0.6441 | SRCC = 0.6018 ] [SYS][ MSE = 0.1672 | LCC = 0.9701 | SRCC = 0.9316 ]
[Valid(teacher)][9][UTT][ GML = 0.309586 | AML = 0.402228 | MoV = 0.407639 | VoV = 0.003311 ] [SYS][ GML = 0.000000 | AML = 0.091850 | MoV = 0.004651 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.23400405049324036
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.11 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.5227 | LCC = 0.6490 | SRCC = 0.6065 ] [SYS][ MSE = 0.1159 | LCC = 0.9714 | SRCC = 0.9323 ]
[Valid(teacher)][10][UTT][ GML = 0.327260 | AML = 0.413269 | MoV = 0.404764 | VoV = 0.003098 ] [SYS][ GML = 0.000014 | AML = 0.507441 | MoV = 0.004573 | VoV = 0.000011 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.2149323970079422
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.28 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.5139 | LCC = 0.6507 | SRCC = 0.6078 ] [SYS][ MSE = 0.1041 | LCC = 0.9732 | SRCC = 0.9303 ]
[Valid(teacher)][11][UTT][ GML = 0.330261 | AML = 0.416846 | MoV = 0.398933 | VoV = 0.003032 ] [SYS][ GML = 0.000043 | AML = 0.562250 | MoV = 0.004487 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2001670002937317
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.25 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.4775 | LCC = 0.6535 | SRCC = 0.6107 ] [SYS][ MSE = 0.0608 | LCC = 0.9734 | SRCC = 0.9316 ]
[Valid(teacher)][12][UTT][ GML = 0.346187 | AML = 0.426484 | MoV = 0.395809 | VoV = 0.002678 ] [SYS][ GML = 0.007581 | AML = 1.550884 | MoV = 0.004412 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.17895005643367767
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.49 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.4746 | LCC = 0.6548 | SRCC = 0.6126 ] [SYS][ MSE = 0.0556 | LCC = 0.9742 | SRCC = 0.9330 ]
[Valid(teacher)][13][UTT][ GML = 0.346696 | AML = 0.429376 | MoV = 0.388372 | VoV = 0.002663 ] [SYS][ GML = 0.010582 | AML = 1.595882 | MoV = 0.004319 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.16233907639980316
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.22 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.4610 | LCC = 0.6560 | SRCC = 0.6142 ] [SYS][ MSE = 0.0332 | LCC = 0.9739 | SRCC = 0.9241 ]
[Valid(teacher)][14][UTT][ GML = 0.352659 | AML = 0.434507 | MoV = 0.383452 | VoV = 0.002644 ] [SYS][ GML = 0.123791 | AML = 1.910285 | MoV = 0.004231 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.145685613155365
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.85 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.4593 | LCC = 0.6571 | SRCC = 0.6172 ] [SYS][ MSE = 0.0266 | LCC = 0.9735 | SRCC = 0.9214 ]
[Valid(teacher)][15][UTT][ GML = 0.352687 | AML = 0.437522 | MoV = 0.375271 | VoV = 0.002598 ] [SYS][ GML = 0.208661 | AML = 1.921306 | MoV = 0.004130 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.13015809655189514
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.54 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.4620 | LCC = 0.6568 | SRCC = 0.6173 ] [SYS][ MSE = 0.0266 | LCC = 0.9734 | SRCC = 0.9309 ]
[Valid(teacher)][16][UTT][ GML = 0.350079 | AML = 0.439598 | MoV = 0.366216 | VoV = 0.002692 ] [SYS][ GML = 0.181398 | AML = 1.955778 | MoV = 0.004026 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.11303213238716125
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.92 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.4657 | LCC = 0.6566 | SRCC = 0.6176 ] [SYS][ MSE = 0.0258 | LCC = 0.9731 | SRCC = 0.9323 ]
[Valid(teacher)][17][UTT][ GML = 0.346837 | AML = 0.441393 | MoV = 0.357685 | VoV = 0.002708 ] [SYS][ GML = 0.157412 | AML = 1.934593 | MoV = 0.003930 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.09530980885028839
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.61 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.4729 | LCC = 0.6563 | SRCC = 0.6187 ] [SYS][ MSE = 0.0236 | LCC = 0.9712 | SRCC = 0.9316 ]
[Valid(teacher)][18][UTT][ GML = 0.342033 | AML = 0.442216 | MoV = 0.350303 | VoV = 0.002650 ] [SYS][ GML = 0.116705 | AML = 2.411238 | MoV = 0.003838 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.07448205351829529
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.16 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.4780 | LCC = 0.6549 | SRCC = 0.6183 ] [SYS][ MSE = 0.0239 | LCC = 0.9711 | SRCC = 0.9330 ]
[Valid(teacher)][19][UTT][ GML = 0.337273 | AML = 0.443506 | MoV = 0.340818 | VoV = 0.002639 ] [SYS][ GML = 0.092720 | AML = 2.532945 | MoV = 0.003729 | VoV = 0.000005 ]
Train: 100% 845/845 [03:39<00:00,  3.85 step/s]
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Average loss=0.061282627284526825
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.62 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.4816 | LCC = 0.6530 | SRCC = 0.6162 ] [SYS][ MSE = 0.0227 | LCC = 0.9725 | SRCC = 0.9371 ]
[Valid(teacher)][20][UTT][ GML = 0.333389 | AML = 0.444469 | MoV = 0.333439 | VoV = 0.002597 ] [SYS][ GML = 0.106310 | AML = 2.478480 | MoV = 0.003655 | VoV = 0.000005 ]
Train: 100% 845/845 [03:56<00:00,  3.57 step/s]
Average loss=0.05584704503417015
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.17 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.4903 | LCC = 0.6510 | SRCC = 0.6152 ] [SYS][ MSE = 0.0252 | LCC = 0.9718 | SRCC = 0.9453 ]
[Valid(teacher)][21][UTT][ GML = 0.327735 | AML = 0.443863 | MoV = 0.327713 | VoV = 0.002495 ] [SYS][ GML = 0.051810 | AML = 2.790421 | MoV = 0.003587 | VoV = 0.000005 ]
Train: 100% 845/845 [04:00<00:00,  3.51 step/s]
Average loss=0.0322803743183128
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.53 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.4882 | LCC = 0.6510 | SRCC = 0.6147 ] [SYS][ MSE = 0.0236 | LCC = 0.9726 | SRCC = 0.9391 ]
[Valid(teacher)][22][UTT][ GML = 0.326922 | AML = 0.445617 | MoV = 0.322883 | VoV = 0.002602 ] [SYS][ GML = 0.072781 | AML = 2.852435 | MoV = 0.003525 | VoV = 0.000004 ]
Train: 100% 845/845 [03:44<00:00,  3.77 step/s]
Average loss=0.01615789905190468
Valid(teacher): 100% 3000/3000 [00:16<00:00, 177.64 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.4847 | LCC = 0.6502 | SRCC = 0.6132 ] [SYS][ MSE = 0.0210 | LCC = 0.9745 | SRCC = 0.9494 ]
[Valid(teacher)][23][UTT][ GML = 0.326923 | AML = 0.447743 | MoV = 0.318172 | VoV = 0.002595 ] [SYS][ GML = 0.142727 | AML = 2.565311 | MoV = 0.003478 | VoV = 0.000004 ]
Train: 100% 845/845 [03:51<00:00,  3.65 step/s]
Average loss=0.0038317067082971334
Valid(teacher): 100% 3000/3000 [00:17<00:00, 172.25 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.4964 | LCC = 0.6488 | SRCC = 0.6130 ] [SYS][ MSE = 0.0254 | LCC = 0.9728 | SRCC = 0.9432 ]
[Valid(teacher)][24][UTT][ GML = 0.319064 | AML = 0.446474 | MoV = 0.312155 | VoV = 0.002408 ] [SYS][ GML = 0.037491 | AML = 2.964057 | MoV = 0.003411 | VoV = 0.000004 ]
Train: 100% 845/845 [03:41<00:00,  3.81 step/s]
Average loss=-0.01122947596013546
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.17 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.4986 | LCC = 0.6458 | SRCC = 0.6101 ] [SYS][ MSE = 0.0223 | LCC = 0.9741 | SRCC = 0.9501 ]
[Valid(teacher)][25][UTT][ GML = 0.314753 | AML = 0.447942 | MoV = 0.305406 | VoV = 0.002438 ] [SYS][ GML = 0.069010 | AML = 3.081429 | MoV = 0.003339 | VoV = 0.000004 ]
Train: 100% 845/845 [03:36<00:00,  3.91 step/s]
Average loss=-0.027287552133202553
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.56 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.4975 | LCC = 0.6453 | SRCC = 0.6095 ] [SYS][ MSE = 0.0214 | LCC = 0.9748 | SRCC = 0.9446 ]
[Valid(teacher)][26][UTT][ GML = 0.313657 | AML = 0.449276 | MoV = 0.301005 | VoV = 0.002417 ] [SYS][ GML = 0.078398 | AML = 3.087432 | MoV = 0.003286 | VoV = 0.000004 ]
Train: 100% 845/845 [03:59<00:00,  3.53 step/s]
Average loss=-0.044009484350681305
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.79 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.4948 | LCC = 0.6462 | SRCC = 0.6106 ] [SYS][ MSE = 0.0207 | LCC = 0.9749 | SRCC = 0.9453 ]
[Valid(teacher)][27][UTT][ GML = 0.312906 | AML = 0.450568 | MoV = 0.297131 | VoV = 0.002475 ] [SYS][ GML = 0.098370 | AML = 3.102520 | MoV = 0.003254 | VoV = 0.000004 ]
Train: 100% 845/845 [03:56<00:00,  3.58 step/s]
Average loss=-0.057258885353803635
Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.76 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.4952 | LCC = 0.6454 | SRCC = 0.6096 ] [SYS][ MSE = 0.0205 | LCC = 0.9748 | SRCC = 0.9474 ]
[Valid(teacher)][28][UTT][ GML = 0.309736 | AML = 0.452016 | MoV = 0.291668 | VoV = 0.002513 ] [SYS][ GML = 0.100873 | AML = 2.859823 | MoV = 0.003197 | VoV = 0.000004 ]
Train: 100% 845/845 [04:03<00:00,  3.47 step/s]
Average loss=-0.07436177134513855
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.77 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5028 | LCC = 0.6431 | SRCC = 0.6087 ] [SYS][ MSE = 0.0220 | LCC = 0.9737 | SRCC = 0.9535 ]
[Valid(teacher)][29][UTT][ GML = 0.302473 | AML = 0.451760 | MoV = 0.285011 | VoV = 0.002556 ] [SYS][ GML = 0.062970 | AML = 3.084465 | MoV = 0.003117 | VoV = 0.000003 ]
Train: 100% 845/845 [03:53<00:00,  3.61 step/s]
Average loss=-0.08199690282344818
Valid(teacher): 100% 3000/3000 [00:17<00:00, 173.78 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.4966 | LCC = 0.6449 | SRCC = 0.6101 ] [SYS][ MSE = 0.0205 | LCC = 0.9749 | SRCC = 0.9542 ]
[Valid(teacher)][30][UTT][ GML = 0.305538 | AML = 0.452860 | MoV = 0.284540 | VoV = 0.002574 ] [SYS][ GML = 0.101420 | AML = 3.081489 | MoV = 0.003111 | VoV = 0.000004 ]
Train: 100% 845/845 [03:49<00:00,  3.69 step/s]
Average loss=-0.09820954501628876
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.36 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.4952 | LCC = 0.6452 | SRCC = 0.6102 ] [SYS][ MSE = 0.0202 | LCC = 0.9757 | SRCC = 0.9576 ]
[Valid(teacher)][31][UTT][ GML = 0.304879 | AML = 0.453911 | MoV = 0.282217 | VoV = 0.002548 ] [SYS][ GML = 0.107999 | AML = 3.212594 | MoV = 0.003083 | VoV = 0.000003 ]
Train: 100% 845/845 [03:43<00:00,  3.78 step/s]
Average loss=0.5361739993095398
Valid(teacher): 100% 3000/3000 [00:17<00:00, 175.49 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.4965 | LCC = 0.6435 | SRCC = 0.6087 ] [SYS][ MSE = 0.0197 | LCC = 0.9758 | SRCC = 0.9521 ]
[Valid(teacher)][32][UTT][ GML = 0.301006 | AML = 0.455480 | MoV = 0.275944 | VoV = 0.002444 ] [SYS][ GML = 0.118758 | AML = 3.223310 | MoV = 0.003010 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.12785612046718597
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.21 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.4967 | LCC = 0.6442 | SRCC = 0.6101 ] [SYS][ MSE = 0.0207 | LCC = 0.9759 | SRCC = 0.9603 ]
[Valid(teacher)][33][UTT][ GML = 0.298839 | AML = 0.456811 | MoV = 0.271937 | VoV = 0.002444 ] [SYS][ GML = 0.084846 | AML = 3.104348 | MoV = 0.002966 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.14132745563983917
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.35 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5006 | LCC = 0.6427 | SRCC = 0.6092 ] [SYS][ MSE = 0.0207 | LCC = 0.9754 | SRCC = 0.9562 ]
[Valid(teacher)][34][UTT][ GML = 0.293699 | AML = 0.456701 | MoV = 0.268347 | VoV = 0.002539 ] [SYS][ GML = 0.082208 | AML = 3.222775 | MoV = 0.002923 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1525072157382965
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.16 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5047 | LCC = 0.6421 | SRCC = 0.6084 ] [SYS][ MSE = 0.0224 | LCC = 0.9757 | SRCC = 0.9569 ]
[Valid(teacher)][35][UTT][ GML = 0.289054 | AML = 0.457184 | MoV = 0.264003 | VoV = 0.002511 ] [SYS][ GML = 0.047364 | AML = 2.812854 | MoV = 0.002875 | VoV = 0.000003 ]
Train: 100% 845/845 [04:07<00:00,  3.42 step/s]
Average loss=-0.16736209392547607
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.00 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5009 | LCC = 0.6431 | SRCC = 0.6093 ] [SYS][ MSE = 0.0217 | LCC = 0.9765 | SRCC = 0.9562 ]
[Valid(teacher)][36][UTT][ GML = 0.289516 | AML = 0.458250 | MoV = 0.261304 | VoV = 0.002541 ] [SYS][ GML = 0.058683 | AML = 2.869930 | MoV = 0.002847 | VoV = 0.000003 ]
Train: 100% 845/845 [03:51<00:00,  3.65 step/s]
Average loss=-0.17542041838169098
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.07 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.4953 | LCC = 0.6440 | SRCC = 0.6096 ] [SYS][ MSE = 0.0186 | LCC = 0.9778 | SRCC = 0.9521 ]
[Valid(teacher)][37][UTT][ GML = 0.292328 | AML = 0.459222 | MoV = 0.261022 | VoV = 0.002582 ] [SYS][ GML = 0.140887 | AML = 3.168502 | MoV = 0.002845 | VoV = 0.000003 ]
Train: 100% 845/845 [03:45<00:00,  3.74 step/s]
Average loss=-0.1820753514766693
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.22 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.4988 | LCC = 0.6424 | SRCC = 0.6083 ] [SYS][ MSE = 0.0200 | LCC = 0.9774 | SRCC = 0.9542 ]
[Valid(teacher)][38][UTT][ GML = 0.289012 | AML = 0.459393 | MoV = 0.258272 | VoV = 0.002535 ] [SYS][ GML = 0.098243 | AML = 3.025542 | MoV = 0.002813 | VoV = 0.000003 ]
Train: 100% 845/845 [03:46<00:00,  3.72 step/s]
Average loss=-0.19520601630210876
Valid(teacher): 100% 3000/3000 [00:16<00:00, 178.79 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5007 | LCC = 0.6418 | SRCC = 0.6074 ] [SYS][ MSE = 0.0191 | LCC = 0.9778 | SRCC = 0.9528 ]
[Valid(teacher)][39][UTT][ GML = 0.285578 | AML = 0.460107 | MoV = 0.254638 | VoV = 0.002500 ] [SYS][ GML = 0.114503 | AML = 3.027492 | MoV = 0.002770 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.2006789296654633
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.46 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.4966 | LCC = 0.6429 | SRCC = 0.6083 ] [SYS][ MSE = 0.0179 | LCC = 0.9787 | SRCC = 0.9521 ]
[Valid(teacher)][40][UTT][ GML = 0.285947 | AML = 0.461629 | MoV = 0.252305 | VoV = 0.002525 ] [SYS][ GML = 0.144238 | AML = 3.070394 | MoV = 0.002742 | VoV = 0.000003 ]
Train: 100% 845/845 [03:50<00:00,  3.66 step/s]
Average loss=-0.21493135392665863
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.17 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.4975 | LCC = 0.6429 | SRCC = 0.6083 ] [SYS][ MSE = 0.0201 | LCC = 0.9781 | SRCC = 0.9467 ]
[Valid(teacher)][41][UTT][ GML = 0.285299 | AML = 0.461377 | MoV = 0.251981 | VoV = 0.002573 ] [SYS][ GML = 0.079412 | AML = 2.994761 | MoV = 0.002734 | VoV = 0.000003 ]
Train: 100% 845/845 [04:27<00:00,  3.16 step/s]
Average loss=-0.22225229442119598
Valid(teacher): 100% 3000/3000 [00:22<00:00, 135.67 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5062 | LCC = 0.6413 | SRCC = 0.6071 ] [SYS][ MSE = 0.0245 | LCC = 0.9777 | SRCC = 0.9474 ]
[Valid(teacher)][42][UTT][ GML = 0.278219 | AML = 0.459960 | MoV = 0.248645 | VoV = 0.002569 ] [SYS][ GML = 0.021705 | AML = 2.644129 | MoV = 0.002699 | VoV = 0.000003 ]
Train: 100% 845/845 [04:18<00:00,  3.27 step/s]
Average loss=-0.23145098984241486
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.01 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.4923 | LCC = 0.6434 | SRCC = 0.6086 ] [SYS][ MSE = 0.0161 | LCC = 0.9804 | SRCC = 0.9590 ]
[Valid(teacher)][43][UTT][ GML = 0.284546 | AML = 0.463462 | MoV = 0.248020 | VoV = 0.002628 ] [SYS][ GML = 0.228048 | AML = 2.984612 | MoV = 0.002698 | VoV = 0.000003 ]
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Train: 100% 845/845 [04:00<00:00,  3.52 step/s]
Average loss=-0.24834951758384705
Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.21 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5096 | LCC = 0.6399 | SRCC = 0.6068 ] [SYS][ MSE = 0.0245 | LCC = 0.9775 | SRCC = 0.9439 ]
[Valid(teacher)][44][UTT][ GML = 0.272295 | AML = 0.460662 | MoV = 0.243869 | VoV = 0.002632 ] [SYS][ GML = 0.019627 | AML = 2.542271 | MoV = 0.002649 | VoV = 0.000003 ]
Train: 100% 845/845 [03:59<00:00,  3.52 step/s]
Average loss=-0.25990742444992065
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.97 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5127 | LCC = 0.6391 | SRCC = 0.6062 ] [SYS][ MSE = 0.0277 | LCC = 0.9773 | SRCC = 0.9487 ]
[Valid(teacher)][45][UTT][ GML = 0.267982 | AML = 0.461797 | MoV = 0.239301 | VoV = 0.002539 ] [SYS][ GML = 0.008603 | AML = 2.340350 | MoV = 0.002594 | VoV = 0.000002 ]
Train: 100% 845/845 [03:43<00:00,  3.78 step/s]
Average loss=-0.2702756821092224
Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.76 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5117 | LCC = 0.6390 | SRCC = 0.6063 ] [SYS][ MSE = 0.0280 | LCC = 0.9775 | SRCC = 0.9467 ]
[Valid(teacher)][46][UTT][ GML = 0.266894 | AML = 0.462554 | MoV = 0.236674 | VoV = 0.002424 ] [SYS][ GML = 0.007177 | AML = 2.442981 | MoV = 0.002568 | VoV = 0.000002 ]
Train: 100% 845/845 [03:47<00:00,  3.71 step/s]
Average loss=-0.28013741970062256
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.49 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5051 | LCC = 0.6387 | SRCC = 0.6051 ] [SYS][ MSE = 0.0234 | LCC = 0.9782 | SRCC = 0.9467 ]
[Valid(teacher)][47][UTT][ GML = 0.269838 | AML = 0.464020 | MoV = 0.236484 | VoV = 0.002499 ] [SYS][ GML = 0.026912 | AML = 2.740599 | MoV = 0.002565 | VoV = 0.000002 ]
Train: 100% 845/845 [04:13<00:00,  3.34 step/s]
Average loss=-0.2903604805469513
Valid(teacher): 100% 3000/3000 [00:18<00:00, 158.22 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5000 | LCC = 0.6389 | SRCC = 0.6053 ] [SYS][ MSE = 0.0212 | LCC = 0.9782 | SRCC = 0.9446 ]
[Valid(teacher)][48][UTT][ GML = 0.271475 | AML = 0.465450 | MoV = 0.235864 | VoV = 0.002602 ] [SYS][ GML = 0.052457 | AML = 2.916891 | MoV = 0.002557 | VoV = 0.000002 ]
Train: 100% 845/845 [04:10<00:00,  3.38 step/s]
Average loss=-0.30453428626060486
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.02 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5008 | LCC = 0.6392 | SRCC = 0.6060 ] [SYS][ MSE = 0.0204 | LCC = 0.9784 | SRCC = 0.9432 ]
[Valid(teacher)][49][UTT][ GML = 0.267676 | AML = 0.466852 | MoV = 0.232485 | VoV = 0.002640 ] [SYS][ GML = 0.060545 | AML = 2.748111 | MoV = 0.002517 | VoV = 0.000002 ]
Train: 100% 845/845 [04:00<00:00,  3.51 step/s]
Average loss=-0.31014907360076904
Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.42 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.4999 | LCC = 0.6389 | SRCC = 0.6055 ] [SYS][ MSE = 0.0191 | LCC = 0.9789 | SRCC = 0.9405 ]
[Valid(teacher)][50][UTT][ GML = 0.265080 | AML = 0.468499 | MoV = 0.229894 | VoV = 0.002683 ] [SYS][ GML = 0.082479 | AML = 2.790253 | MoV = 0.002493 | VoV = 0.000002 ]
Train: 100% 845/845 [03:51<00:00,  3.65 step/s]
Average loss=-0.31890442967414856
Valid(teacher): 100% 3000/3000 [00:16<00:00, 182.97 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5232 | LCC = 0.6356 | SRCC = 0.6040 ] [SYS][ MSE = 0.0339 | LCC = 0.9767 | SRCC = 0.9432 ]
[Valid(teacher)][51][UTT][ GML = 0.248780 | AML = 0.464531 | MoV = 0.224808 | VoV = 0.002619 ] [SYS][ GML = 0.000989 | AML = 2.119969 | MoV = 0.002428 | VoV = 0.000002 ]
Train: 100% 845/845 [03:53<00:00,  3.62 step/s]
Average loss=-0.32615095376968384
Valid(teacher): 100% 3000/3000 [00:17<00:00, 174.34 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5158 | LCC = 0.6361 | SRCC = 0.6043 ] [SYS][ MSE = 0.0280 | LCC = 0.9772 | SRCC = 0.9508 ]
[Valid(teacher)][52][UTT][ GML = 0.250576 | AML = 0.466618 | MoV = 0.222757 | VoV = 0.002573 ] [SYS][ GML = 0.004976 | AML = 2.625769 | MoV = 0.002404 | VoV = 0.000002 ]
Train: 100% 845/845 [03:53<00:00,  3.62 step/s]
Average loss=-0.336301326751709
Valid(teacher): 100% 3000/3000 [00:17<00:00, 173.48 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5251 | LCC = 0.6361 | SRCC = 0.6048 ] [SYS][ MSE = 0.0364 | LCC = 0.9763 | SRCC = 0.9467 ]
[Valid(teacher)][53][UTT][ GML = 0.243164 | AML = 0.464759 | MoV = 0.218819 | VoV = 0.002425 ] [SYS][ GML = 0.000344 | AML = 1.648283 | MoV = 0.002360 | VoV = 0.000002 ]
Train: 100% 845/845 [04:17<00:00,  3.28 step/s]
Average loss=-0.3511136472225189
Valid(teacher): 100% 3000/3000 [00:17<00:00, 172.61 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5105 | LCC = 0.6366 | SRCC = 0.6039 ] [SYS][ MSE = 0.0261 | LCC = 0.9775 | SRCC = 0.9385 ]
[Valid(teacher)][54][UTT][ GML = 0.250266 | AML = 0.468082 | MoV = 0.218747 | VoV = 0.002495 ] [SYS][ GML = 0.008074 | AML = 2.900788 | MoV = 0.002372 | VoV = 0.000002 ]
Train: 100% 845/845 [04:02<00:00,  3.49 step/s]
Average loss=-0.3569122552871704
Valid(teacher): 100% 3000/3000 [00:16<00:00, 178.20 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5169 | LCC = 0.6354 | SRCC = 0.6037 ] [SYS][ MSE = 0.0305 | LCC = 0.9760 | SRCC = 0.9432 ]
[Valid(teacher)][55][UTT][ GML = 0.244032 | AML = 0.468008 | MoV = 0.215936 | VoV = 0.002443 ] [SYS][ GML = 0.002009 | AML = 2.435383 | MoV = 0.002344 | VoV = 0.000002 ]
Train: 100% 845/845 [03:58<00:00,  3.54 step/s]
Average loss=-0.3660348653793335
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.11 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5236 | LCC = 0.6339 | SRCC = 0.6029 ] [SYS][ MSE = 0.0333 | LCC = 0.9758 | SRCC = 0.9474 ]
[Valid(teacher)][56][UTT][ GML = 0.237865 | AML = 0.467745 | MoV = 0.212794 | VoV = 0.002356 ] [SYS][ GML = 0.000770 | AML = 2.194899 | MoV = 0.002312 | VoV = 0.000002 ]
Train: 100% 845/845 [03:59<00:00,  3.53 step/s]
Average loss=-0.3791888654232025
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.28 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5179 | LCC = 0.6336 | SRCC = 0.6027 ] [SYS][ MSE = 0.0310 | LCC = 0.9756 | SRCC = 0.9391 ]
[Valid(teacher)][57][UTT][ GML = 0.238726 | AML = 0.470389 | MoV = 0.209970 | VoV = 0.002308 ] [SYS][ GML = 0.001444 | AML = 2.378250 | MoV = 0.002281 | VoV = 0.000002 ]
Train: 100% 845/845 [03:55<00:00,  3.59 step/s]
Average loss=-0.3778242766857147
Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.56 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5213 | LCC = 0.6320 | SRCC = 0.6010 ] [SYS][ MSE = 0.0340 | LCC = 0.9750 | SRCC = 0.9275 ]
[Valid(teacher)][58][UTT][ GML = 0.236296 | AML = 0.468548 | MoV = 0.209574 | VoV = 0.002335 ] [SYS][ GML = 0.000522 | AML = 1.776378 | MoV = 0.002272 | VoV = 0.000002 ]
Train: 100% 845/845 [03:54<00:00,  3.60 step/s]
Average loss=-0.38445672392845154
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.64 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5100 | LCC = 0.6335 | SRCC = 0.6015 ] [SYS][ MSE = 0.0263 | LCC = 0.9769 | SRCC = 0.9398 ]
[Valid(teacher)][59][UTT][ GML = 0.241311 | AML = 0.472093 | MoV = 0.207788 | VoV = 0.002299 ] [SYS][ GML = 0.006208 | AML = 2.846306 | MoV = 0.002257 | VoV = 0.000002 ]
Train: 100% 845/845 [03:52<00:00,  3.64 step/s]
Average loss=-0.4000168442726135
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.22 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5094 | LCC = 0.6323 | SRCC = 0.6005 ] [SYS][ MSE = 0.0262 | LCC = 0.9773 | SRCC = 0.9303 ]
[Valid(teacher)][60][UTT][ GML = 0.239570 | AML = 0.473370 | MoV = 0.205286 | VoV = 0.002250 ] [SYS][ GML = 0.006159 | AML = 2.772974 | MoV = 0.002232 | VoV = 0.000002 ]
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, 192.45 step/s]

[Test(best)][61][UTT][ MSE = 0.4448 | LCC = 0.6746 | SRCC = 0.6404 ] [SYS][ MSE = 0.0219 | LCC = 0.9770 | SRCC = 0.9460 ]
[Test(best)][61][UTT][ GML = 0.359407 | AML = 0.447731 | MoV = 0.374134 | VoV = 0.002653 ] [SYS][ GML = 0.298502 | AML = 2.240316 | MoV = 0.003023 | VoV = 0.000003 ]
Test(last): 100% 4000/4000 [00:21<00:00, 184.75 step/s]

[Test(last)][61][UTT][ MSE = 0.5080 | LCC = 0.6455 | SRCC = 0.6157 ] [SYS][ MSE = 0.0288 | LCC = 0.9785 | SRCC = 0.9569 ]
[Test(last)][61][UTT][ GML = 0.241216 | AML = 0.480903 | MoV = 0.206522 | VoV = 0.002287 ] [SYS][ GML = 0.000204 | AML = 1.947487 | MoV = 0.001654 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node058 ProMOSNet]$
```