```
(lxygpu) [x_xlian@node001 ProMOSNet]$ python train.py --lamb_c=0.25 --lamb_t=0 --save_path "runs/c25e-2-t0/run4"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:34<00:00, 118.96it/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 [01:40<00:00, 29.87it/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 [02:14<00:00, 29.70it/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,  4.10 step/s]
Average loss=11093.4091796875
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.96 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.1700 | LCC = 0.5014 | SRCC = 0.4789 ] [SYS][ MSE = 0.8791 | LCC = 0.8427 | SRCC = 0.8345 ]
[Valid(teacher)][0][UTT][ GML = 0.184521 | AML = 0.290680 | MoV = 0.560555 | VoV = 0.009162 ] [SYS][ GML = 0.000000 | AML = 0.000015 | MoV = 0.006525 | VoV = 0.000030 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.29048407077789307
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.81 step/s]

[Valid(teacher)][1][UTT][ MSE = 0.5451 | LCC = 0.5659 | SRCC = 0.5309 ] [SYS][ MSE = 0.0826 | LCC = 0.8988 | SRCC = 0.8407 ]
[Valid(teacher)][1][UTT][ GML = 0.325364 | AML = 0.371240 | MoV = 0.606597 | VoV = 0.007156 ] [SYS][ GML = 0.012478 | AML = 0.966904 | MoV = 0.007113 | VoV = 0.000035 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.24233610928058624
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.90 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.5014 | LCC = 0.6095 | SRCC = 0.5676 ] [SYS][ MSE = 0.0409 | LCC = 0.9510 | SRCC = 0.9015 ]
[Valid(teacher)][2][UTT][ GML = 0.340226 | AML = 0.388858 | MoV = 0.550579 | VoV = 0.003995 ] [SYS][ GML = 0.171485 | AML = 1.588474 | MoV = 0.006336 | VoV = 0.000024 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.21350571513175964
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.04 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.5024 | LCC = 0.6282 | SRCC = 0.5846 ] [SYS][ MSE = 0.0419 | LCC = 0.9639 | SRCC = 0.9200 ]
[Valid(teacher)][3][UTT][ GML = 0.341807 | AML = 0.392122 | MoV = 0.535060 | VoV = 0.002681 ] [SYS][ GML = 0.040481 | AML = 2.178037 | MoV = 0.005990 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.19441384077072144
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.63 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.4751 | LCC = 0.6393 | SRCC = 0.5981 ] [SYS][ MSE = 0.0263 | LCC = 0.9669 | SRCC = 0.9125 ]
[Valid(teacher)][4][UTT][ GML = 0.350630 | AML = 0.406705 | MoV = 0.493303 | VoV = 0.003608 ] [SYS][ GML = 0.331162 | AML = 1.420285 | MoV = 0.005475 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.1807609647512436
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.77 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.4723 | LCC = 0.6437 | SRCC = 0.6008 ] [SYS][ MSE = 0.0282 | LCC = 0.9684 | SRCC = 0.9152 ]
[Valid(teacher)][5][UTT][ GML = 0.351204 | AML = 0.409223 | MoV = 0.485443 | VoV = 0.004062 ] [SYS][ GML = 0.269086 | AML = 1.539932 | MoV = 0.005384 | VoV = 0.000012 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.16956019401550293
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.56 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.5494 | LCC = 0.6446 | SRCC = 0.6026 ] [SYS][ MSE = 0.1096 | LCC = 0.9706 | SRCC = 0.9255 ]
[Valid(teacher)][6][UTT][ GML = 0.317494 | AML = 0.399101 | MoV = 0.456966 | VoV = 0.005241 ] [SYS][ GML = 0.000013 | AML = 0.803508 | MoV = 0.005109 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.15553173422813416
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.14 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.6215 | LCC = 0.6435 | SRCC = 0.6029 ] [SYS][ MSE = 0.1805 | LCC = 0.9709 | SRCC = 0.9296 ]
[Valid(teacher)][7][UTT][ GML = 0.287295 | AML = 0.387444 | MoV = 0.437150 | VoV = 0.005556 ] [SYS][ GML = 0.000000 | AML = 0.077869 | MoV = 0.004907 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.14881394803524017
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.25 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.6475 | LCC = 0.6441 | SRCC = 0.6033 ] [SYS][ MSE = 0.2097 | LCC = 0.9718 | SRCC = 0.9214 ]
[Valid(teacher)][8][UTT][ GML = 0.277782 | AML = 0.383393 | MoV = 0.429383 | VoV = 0.005673 ] [SYS][ GML = 0.000000 | AML = 0.015460 | MoV = 0.004821 | VoV = 0.000011 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.1327066570520401
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.27 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.6319 | LCC = 0.6475 | SRCC = 0.6062 ] [SYS][ MSE = 0.1941 | LCC = 0.9716 | SRCC = 0.9173 ]
[Valid(teacher)][9][UTT][ GML = 0.282252 | AML = 0.388126 | MoV = 0.420946 | VoV = 0.005291 ] [SYS][ GML = 0.000000 | AML = 0.071251 | MoV = 0.004716 | VoV = 0.000010 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.13097305595874786
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.98 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.6060 | LCC = 0.6480 | SRCC = 0.6065 ] [SYS][ MSE = 0.1715 | LCC = 0.9723 | SRCC = 0.9173 ]
[Valid(teacher)][10][UTT][ GML = 0.292971 | AML = 0.394238 | MoV = 0.417908 | VoV = 0.004860 ] [SYS][ GML = 0.000000 | AML = 0.121142 | MoV = 0.004678 | VoV = 0.000010 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.11898323148488998
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.10 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.5311 | LCC = 0.6521 | SRCC = 0.6101 ] [SYS][ MSE = 0.0949 | LCC = 0.9736 | SRCC = 0.9125 ]
[Valid(teacher)][11][UTT][ GML = 0.323351 | AML = 0.409677 | MoV = 0.421354 | VoV = 0.004274 ] [SYS][ GML = 0.000022 | AML = 0.731446 | MoV = 0.004685 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.11168451607227325
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.84 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.5033 | LCC = 0.6549 | SRCC = 0.6132 ] [SYS][ MSE = 0.0663 | LCC = 0.9754 | SRCC = 0.9138 ]
[Valid(teacher)][12][UTT][ GML = 0.334778 | AML = 0.417075 | MoV = 0.417821 | VoV = 0.004103 ] [SYS][ GML = 0.000887 | AML = 0.823840 | MoV = 0.004627 | VoV = 0.000009 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.10492783784866333
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.63 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.5099 | LCC = 0.6532 | SRCC = 0.6112 ] [SYS][ MSE = 0.0693 | LCC = 0.9756 | SRCC = 0.9173 ]
[Valid(teacher)][13][UTT][ GML = 0.330550 | AML = 0.417510 | MoV = 0.409985 | VoV = 0.004179 ] [SYS][ GML = 0.000427 | AML = 0.890464 | MoV = 0.004552 | VoV = 0.000009 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.09453600645065308
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.87 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.5134 | LCC = 0.6521 | SRCC = 0.6098 ] [SYS][ MSE = 0.0701 | LCC = 0.9773 | SRCC = 0.9255 ]
[Valid(teacher)][14][UTT][ GML = 0.327649 | AML = 0.418971 | MoV = 0.400853 | VoV = 0.004233 ] [SYS][ GML = 0.000346 | AML = 0.869004 | MoV = 0.004460 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.08138290792703629
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.78 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.5270 | LCC = 0.6486 | SRCC = 0.6069 ] [SYS][ MSE = 0.0779 | LCC = 0.9771 | SRCC = 0.9145 ]
[Valid(teacher)][15][UTT][ GML = 0.319623 | AML = 0.418161 | MoV = 0.390181 | VoV = 0.004085 ] [SYS][ GML = 0.000080 | AML = 0.832564 | MoV = 0.004345 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.0777323991060257
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.73 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.5270 | LCC = 0.6474 | SRCC = 0.6061 ] [SYS][ MSE = 0.0761 | LCC = 0.9783 | SRCC = 0.9227 ]
[Valid(teacher)][16][UTT][ GML = 0.318666 | AML = 0.419545 | MoV = 0.384428 | VoV = 0.003842 ] [SYS][ GML = 0.000103 | AML = 0.898572 | MoV = 0.004282 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.06245385482907295
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.01 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.5354 | LCC = 0.6446 | SRCC = 0.6045 ] [SYS][ MSE = 0.0793 | LCC = 0.9783 | SRCC = 0.9138 ]
[Valid(teacher)][17][UTT][ GML = 0.311801 | AML = 0.419943 | MoV = 0.375240 | VoV = 0.004106 ] [SYS][ GML = 0.000043 | AML = 0.889200 | MoV = 0.004188 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.0559403747373201752
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.25 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.5560 | LCC = 0.6406 | SRCC = 0.6013 ] [SYS][ MSE = 0.0945 | LCC = 0.9794 | SRCC = 0.9350 ]
[Valid(teacher)][18][UTT][ GML = 0.299799 | AML = 0.417184 | MoV = 0.366067 | VoV = 0.004116 ] [SYS][ GML = 0.000003 | AML = 0.572731 | MoV = 0.004108 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.04910778999328613
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.30 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.5844 | LCC = 0.6394 | SRCC = 0.6012 ] [SYS][ MSE = 0.1213 | LCC = 0.9796 | SRCC = 0.9330 ]
[Valid(teacher)][19][UTT][ GML = 0.283232 | AML = 0.413134 | MoV = 0.355626 | VoV = 0.004193 ] [SYS][ GML = 0.000000 | AML = 0.269071 | MoV = 0.004007 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
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Average loss=0.04144664481282234
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.86 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.5878 | LCC = 0.6392 | SRCC = 0.6015 ] [SYS][ MSE = 0.1264 | LCC = 0.9793 | SRCC = 0.9275 ]
[Valid(teacher)][20][UTT][ GML = 0.279122 | AML = 0.413434 | MoV = 0.349482 | VoV = 0.004298 ] [SYS][ GML = 0.000000 | AML = 0.153066 | MoV = 0.003955 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.03417922183871269
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.95 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.5989 | LCC = 0.6377 | SRCC = 0.5999 ] [SYS][ MSE = 0.1357 | LCC = 0.9797 | SRCC = 0.9296 ]
[Valid(teacher)][21][UTT][ GML = 0.270984 | AML = 0.412734 | MoV = 0.342829 | VoV = 0.004361 ] [SYS][ GML = 0.000000 | AML = 0.076346 | MoV = 0.003891 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.02543472684919834
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.64 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.5773 | LCC = 0.6391 | SRCC = 0.6017 ] [SYS][ MSE = 0.1125 | LCC = 0.9811 | SRCC = 0.9385 ]
[Valid(teacher)][22][UTT][ GML = 0.278735 | AML = 0.419153 | MoV = 0.338590 | VoV = 0.004216 ] [SYS][ GML = 0.000000 | AML = 0.215291 | MoV = 0.003833 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.01874285563826561
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.19 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.6279 | LCC = 0.6360 | SRCC = 0.6002 ] [SYS][ MSE = 0.1637 | LCC = 0.9811 | SRCC = 0.9426 ]
[Valid(teacher)][23][UTT][ GML = 0.251626 | AML = 0.408842 | MoV = 0.328775 | VoV = 0.004473 ] [SYS][ GML = 0.000000 | AML = 0.007317 | MoV = 0.003752 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.007875951938331127
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.41 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.6262 | LCC = 0.6370 | SRCC = 0.6007 ] [SYS][ MSE = 0.1610 | LCC = 0.9818 | SRCC = 0.9426 ]
[Valid(teacher)][24][UTT][ GML = 0.249053 | AML = 0.410890 | MoV = 0.322722 | VoV = 0.004379 ] [SYS][ GML = 0.000000 | AML = 0.010122 | MoV = 0.003676 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.0021112021058797836
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.54 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.6403 | LCC = 0.6352 | SRCC = 0.5985 ] [SYS][ MSE = 0.1756 | LCC = 0.9815 | SRCC = 0.9426 ]
[Valid(teacher)][25][UTT][ GML = 0.241302 | AML = 0.408460 | MoV = 0.317775 | VoV = 0.004125 ] [SYS][ GML = 0.000000 | AML = 0.003387 | MoV = 0.003625 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.0029042395763099194
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.11 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.6403 | LCC = 0.6362 | SRCC = 0.5993 ] [SYS][ MSE = 0.1765 | LCC = 0.9819 | SRCC = 0.9385 ]
[Valid(teacher)][26][UTT][ GML = 0.238373 | AML = 0.408852 | MoV = 0.312992 | VoV = 0.004158 ] [SYS][ GML = 0.000000 | AML = 0.003222 | MoV = 0.003576 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.012519074603915215
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.97 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.6075 | LCC = 0.6398 | SRCC = 0.6027 ] [SYS][ MSE = 0.1421 | LCC = 0.9823 | SRCC = 0.9487 ]
[Valid(teacher)][27][UTT][ GML = 0.250901 | AML = 0.418129 | MoV = 0.309781 | VoV = 0.003935 ] [SYS][ GML = 0.000000 | AML = 0.046133 | MoV = 0.003524 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.025594349950551987
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.57 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5876 | LCC = 0.6391 | SRCC = 0.6015 ] [SYS][ MSE = 0.1171 | LCC = 0.9822 | SRCC = 0.9432 ]
[Valid(teacher)][28][UTT][ GML = 0.257034 | AML = 0.424882 | MoV = 0.305544 | VoV = 0.003837 ] [SYS][ GML = 0.000000 | AML = 0.178856 | MoV = 0.003463 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.12 step/s]
Average loss=-0.03160596638917923
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.69 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.6419 | LCC = 0.6365 | SRCC = 0.5990 ] [SYS][ MSE = 0.1729 | LCC = 0.9824 | SRCC = 0.9357 ]
[Valid(teacher)][29][UTT][ GML = 0.228404 | AML = 0.413116 | MoV = 0.297576 | VoV = 0.003885 ] [SYS][ GML = 0.000000 | AML = 0.003150 | MoV = 0.003397 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.03483114764094353
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.34 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.6446 | LCC = 0.6353 | SRCC = 0.5976 ] [SYS][ MSE = 0.1724 | LCC = 0.9819 | SRCC = 0.9405 ]
[Valid(teacher)][30][UTT][ GML = 0.224242 | AML = 0.413756 | MoV = 0.293663 | VoV = 0.003870 ] [SYS][ GML = 0.000000 | AML = 0.007229 | MoV = 0.003352 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.04426468536257744
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.60 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.6369 | LCC = 0.6344 | SRCC = 0.5968 ] [SYS][ MSE = 0.1632 | LCC = 0.9823 | SRCC = 0.9405 ]
[Valid(teacher)][31][UTT][ GML = 0.225685 | AML = 0.416613 | MoV = 0.289378 | VoV = 0.003684 ] [SYS][ GML = 0.000000 | AML = 0.011986 | MoV = 0.003302 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.05213800817728042
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.88 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.6508 | LCC = 0.6333 | SRCC = 0.5959 ] [SYS][ MSE = 0.1758 | LCC = 0.9830 | SRCC = 0.9480 ]
[Valid(teacher)][32][UTT][ GML = 0.216333 | AML = 0.414488 | MoV = 0.284265 | VoV = 0.003662 ] [SYS][ GML = 0.000000 | AML = 0.004564 | MoV = 0.003245 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.061676494777202606
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.96 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.6317 | LCC = 0.6353 | SRCC = 0.5977 ] [SYS][ MSE = 0.1560 | LCC = 0.9835 | SRCC = 0.9494 ]
[Valid(teacher)][33][UTT][ GML = 0.219495 | AML = 0.420350 | MoV = 0.279627 | VoV = 0.003776 ] [SYS][ GML = 0.000000 | AML = 0.017474 | MoV = 0.003186 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.06122078374028206
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.60 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.6444 | LCC = 0.6348 | SRCC = 0.5968 ] [SYS][ MSE = 0.1700 | LCC = 0.9840 | SRCC = 0.9542 ]
[Valid(teacher)][34][UTT][ GML = 0.212407 | AML = 0.417080 | MoV = 0.276195 | VoV = 0.003710 ] [SYS][ GML = 0.000000 | AML = 0.003248 | MoV = 0.003158 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.07463609427213669
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.79 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.6307 | LCC = 0.6342 | SRCC = 0.5961 ] [SYS][ MSE = 0.1557 | LCC = 0.9840 | SRCC = 0.9515 ]
[Valid(teacher)][35][UTT][ GML = 0.216656 | AML = 0.420945 | MoV = 0.272714 | VoV = 0.003626 ] [SYS][ GML = 0.000000 | AML = 0.005992 | MoV = 0.003118 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.08442287892103195
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.34 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.6610 | LCC = 0.6347 | SRCC = 0.5975 ] [SYS][ MSE = 0.1867 | LCC = 0.9841 | SRCC = 0.9453 ]
[Valid(teacher)][36][UTT][ GML = 0.200483 | AML = 0.413666 | MoV = 0.266461 | VoV = 0.003435 ] [SYS][ GML = 0.000000 | AML = 0.000526 | MoV = 0.003056 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.09096121788024902
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.93 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.6505 | LCC = 0.6344 | SRCC = 0.5972 ] [SYS][ MSE = 0.1755 | LCC = 0.9844 | SRCC = 0.9508 ]
[Valid(teacher)][37][UTT][ GML = 0.200349 | AML = 0.417927 | MoV = 0.262394 | VoV = 0.003438 ] [SYS][ GML = 0.000000 | AML = 0.002344 | MoV = 0.003008 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.09536521136760712
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.14 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.6438 | LCC = 0.6361 | SRCC = 0.5990 ] [SYS][ MSE = 0.1696 | LCC = 0.9843 | SRCC = 0.9501 ]
[Valid(teacher)][38][UTT][ GML = 0.201701 | AML = 0.419739 | MoV = 0.258879 | VoV = 0.003298 ] [SYS][ GML = 0.000000 | AML = 0.002134 | MoV = 0.002959 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1035472080111036
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.26 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.6437 | LCC = 0.6359 | SRCC = 0.5985 ] [SYS][ MSE = 0.1711 | LCC = 0.9847 | SRCC = 0.9487 ]
[Valid(teacher)][39][UTT][ GML = 0.199551 | AML = 0.420424 | MoV = 0.255753 | VoV = 0.003202 ] [SYS][ GML = 0.000000 | AML = 0.001842 | MoV = 0.002917 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.11467672139406204
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.21 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.6074 | LCC = 0.6362 | SRCC = 0.5993 ] [SYS][ MSE = 0.1306 | LCC = 0.9844 | SRCC = 0.9501 ]
[Valid(teacher)][40][UTT][ GML = 0.216705 | AML = 0.429876 | MoV = 0.254192 | VoV = 0.002889 ] [SYS][ GML = 0.000000 | AML = 0.024762 | MoV = 0.002880 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.11397988349199295
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.74 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.6411 | LCC = 0.6344 | SRCC = 0.5978 ] [SYS][ MSE = 0.1630 | LCC = 0.9850 | SRCC = 0.9467 ]
[Valid(teacher)][41][UTT][ GML = 0.198509 | AML = 0.421361 | MoV = 0.250771 | VoV = 0.002863 ] [SYS][ GML = 0.000000 | AML = 0.002376 | MoV = 0.002854 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.10952332615852356
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.45 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.6120 | LCC = 0.6359 | SRCC = 0.5994 ] [SYS][ MSE = 0.1338 | LCC = 0.9845 | SRCC = 0.9467 ]
[Valid(teacher)][42][UTT][ GML = 0.210431 | AML = 0.430034 | MoV = 0.249250 | VoV = 0.002790 ] [SYS][ GML = 0.000000 | AML = 0.021467 | MoV = 0.002831 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.12685786187648773
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.24 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.6066 | LCC = 0.6352 | SRCC = 0.5985 ] [SYS][ MSE = 0.1283 | LCC = 0.9835 | SRCC = 0.9453 ]
[Valid(teacher)][43][UTT][ GML = 0.209835 | AML = 0.431891 | MoV = 0.245148 | VoV = 0.002738 ] [SYS][ GML = 0.000000 | AML = 0.033595 | MoV = 0.002784 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.13580463826656342
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.77 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5851 | LCC = 0.6337 | SRCC = 0.5965 ] [SYS][ MSE = 0.1029 | LCC = 0.9835 | SRCC = 0.9446 ]
[Valid(teacher)][44][UTT][ GML = 0.220287 | AML = 0.438601 | MoV = 0.242257 | VoV = 0.002467 ] [SYS][ GML = 0.000000 | AML = 0.138293 | MoV = 0.002740 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.138823002576828
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.19 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5817 | LCC = 0.6329 | SRCC = 0.5949 ] [SYS][ MSE = 0.0971 | LCC = 0.9834 | SRCC = 0.9446 ]
[Valid(teacher)][45][UTT][ GML = 0.219489 | AML = 0.439912 | MoV = 0.239730 | VoV = 0.002455 ] [SYS][ GML = 0.000000 | AML = 0.164441 | MoV = 0.002711 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.1491679549217224
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.14 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5752 | LCC = 0.6322 | SRCC = 0.5940 ] [SYS][ MSE = 0.0904 | LCC = 0.9830 | SRCC = 0.9378 ]
[Valid(teacher)][46][UTT][ GML = 0.221595 | AML = 0.443026 | MoV = 0.236692 | VoV = 0.002300 ] [SYS][ GML = 0.000000 | AML = 0.229450 | MoV = 0.002676 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.15683434903621674
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.27 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5694 | LCC = 0.6332 | SRCC = 0.5950 ] [SYS][ MSE = 0.0868 | LCC = 0.9827 | SRCC = 0.9378 ]
[Valid(teacher)][47][UTT][ GML = 0.222380 | AML = 0.445647 | MoV = 0.232780 | VoV = 0.002188 ] [SYS][ GML = 0.000000 | AML = 0.283194 | MoV = 0.002635 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.16390886902809143
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.48 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5733 | LCC = 0.6343 | SRCC = 0.5961 ] [SYS][ MSE = 0.0934 | LCC = 0.9820 | SRCC = 0.9398 ]
[Valid(teacher)][48][UTT][ GML = 0.218821 | AML = 0.444457 | MoV = 0.229729 | VoV = 0.002120 ] [SYS][ GML = 0.000000 | AML = 0.232449 | MoV = 0.002605 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1674170643091201801
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.29 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5690 | LCC = 0.6362 | SRCC = 0.5986 ] [SYS][ MSE = 0.0920 | LCC = 0.9820 | SRCC = 0.9398 ]
[Valid(teacher)][49][UTT][ GML = 0.218555 | AML = 0.446767 | MoV = 0.227107 | VoV = 0.002116 ] [SYS][ GML = 0.000000 | AML = 0.219780 | MoV = 0.002567 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.17265218496322632
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.88 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5599 | LCC = 0.6348 | SRCC = 0.5974 ] [SYS][ MSE = 0.0816 | LCC = 0.9818 | SRCC = 0.9460 ]
[Valid(teacher)][50][UTT][ GML = 0.220419 | AML = 0.450858 | MoV = 0.223648 | VoV = 0.002017 ] [SYS][ GML = 0.000000 | AML = 0.401316 | MoV = 0.002525 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.17911218106746674
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.58 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5538 | LCC = 0.6345 | SRCC = 0.5968 ] [SYS][ MSE = 0.0759 | LCC = 0.9815 | SRCC = 0.9378 ]
[Valid(teacher)][51][UTT][ GML = 0.221585 | AML = 0.453554 | MoV = 0.220872 | VoV = 0.001943 ] [SYS][ GML = 0.000000 | AML = 0.485795 | MoV = 0.002491 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.18558889627456665
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.10 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5592 | LCC = 0.6325 | SRCC = 0.5940 ] [SYS][ MSE = 0.0788 | LCC = 0.9809 | SRCC = 0.9405 ]
[Valid(teacher)][52][UTT][ GML = 0.217087 | AML = 0.452133 | MoV = 0.218518 | VoV = 0.001904 ] [SYS][ GML = 0.000000 | AML = 0.412107 | MoV = 0.002470 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.18736796081066132
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.22 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5455 | LCC = 0.6325 | SRCC = 0.5942 ] [SYS][ MSE = 0.0655 | LCC = 0.9805 | SRCC = 0.9378 ]
[Valid(teacher)][53][UTT][ GML = 0.223946 | AML = 0.455975 | MoV = 0.217152 | VoV = 0.001881 ] [SYS][ GML = 0.000001 | AML = 0.843831 | MoV = 0.002452 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.19727730751037598
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.52 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5424 | LCC = 0.6329 | SRCC = 0.5947 ] [SYS][ MSE = 0.0626 | LCC = 0.9803 | SRCC = 0.9316 ]
[Valid(teacher)][54][UTT][ GML = 0.224239 | AML = 0.457739 | MoV = 0.213739 | VoV = 0.001754 ] [SYS][ GML = 0.000002 | AML = 1.077935 | MoV = 0.002412 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.2028546929359436
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.33 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5373 | LCC = 0.6315 | SRCC = 0.5938 ] [SYS][ MSE = 0.0532 | LCC = 0.9805 | SRCC = 0.9316 ]
[Valid(teacher)][55][UTT][ GML = 0.224836 | AML = 0.459717 | MoV = 0.210810 | VoV = 0.001673 ] [SYS][ GML = 0.000015 | AML = 1.422068 | MoV = 0.002378 | VoV = 0.000003 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=-0.2073783129453659
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.19 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5537 | LCC = 0.6312 | SRCC = 0.5938 ] [SYS][ MSE = 0.0717 | LCC = 0.9809 | SRCC = 0.9378 ]
[Valid(teacher)][56][UTT][ GML = 0.211010 | AML = 0.454626 | MoV = 0.208364 | VoV = 0.001754 ] [SYS][ GML = 0.000000 | AML = 0.712235 | MoV = 0.002360 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.21458733081817627
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.94 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5426 | LCC = 0.6324 | SRCC = 0.5954 ] [SYS][ MSE = 0.0619 | LCC = 0.9809 | SRCC = 0.9316 ]
[Valid(teacher)][57][UTT][ GML = 0.214286 | AML = 0.459655 | MoV = 0.204580 | VoV = 0.001701 ] [SYS][ GML = 0.000001 | AML = 1.087497 | MoV = 0.002305 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.2185974270105362
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.78 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5355 | LCC = 0.6317 | SRCC = 0.5948 ] [SYS][ MSE = 0.0554 | LCC = 0.9812 | SRCC = 0.9419 ]
[Valid(teacher)][58][UTT][ GML = 0.219903 | AML = 0.461089 | MoV = 0.204594 | VoV = 0.001622 ] [SYS][ GML = 0.000007 | AML = 1.326407 | MoV = 0.002304 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.21922177076339722
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.91 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5295 | LCC = 0.6322 | SRCC = 0.5954 ] [SYS][ MSE = 0.0497 | LCC = 0.9811 | SRCC = 0.9432 ]
[Valid(teacher)][59][UTT][ GML = 0.221800 | AML = 0.463953 | MoV = 0.202009 | VoV = 0.001541 ] [SYS][ GML = 0.000030 | AML = 1.487156 | MoV = 0.002277 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.2299199700355298
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.67 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5277 | LCC = 0.6324 | SRCC = 0.5952 ] [SYS][ MSE = 0.0482 | LCC = 0.9807 | SRCC = 0.9474 ]
[Valid(teacher)][60][UTT][ GML = 0.218858 | AML = 0.465609 | MoV = 0.198766 | VoV = 0.001529 ] [SYS][ GML = 0.000039 | AML = 1.590426 | MoV = 0.002245 | 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, 194.28 step/s]

[Test(best)][61][UTT][ MSE = 0.4869 | LCC = 0.6676 | SRCC = 0.6287 ] [SYS][ MSE = 0.0588 | LCC = 0.9711 | SRCC = 0.9419 ]
[Test(best)][61][UTT][ GML = 0.341870 | AML = 0.424112 | MoV = 0.417370 | VoV = 0.004233 ] [SYS][ GML = 0.000341 | AML = 1.367313 | MoV = 0.003400 | VoV = 0.000005 ]
Test(last): 100% 4000/4000 [00:20<00:00, 198.83 step/s]

[Test(last)][61][UTT][ MSE = 0.5156 | LCC = 0.6407 | SRCC = 0.6080 ] [SYS][ MSE = 0.0438 | LCC = 0.9770 | SRCC = 0.9631 ]
[Test(last)][61][UTT][ GML = 0.229384 | AML = 0.478592 | MoV = 0.199676 | VoV = 0.001540 ] [SYS][ GML = 0.000040 | AML = 2.239892 | MoV = 0.001636 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node001 ProMOSNet]$ client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-MBA ProMOSNet %
```