```
(lxygpu) [x_xlian@node001 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0.25
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:09<00:00, 110.30it/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, 28.77it/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 [02:19<00:00, 28.73it/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 [03:25<00:00,  4.11 step/s]
Average loss=11980.072265625
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.00 step/s]

[Valid(teacher)][0][UTT][ MSE = 2.3785 | LCC = 0.4797 | SRCC = 0.4603 ] [SYS][ MSE = 2.1820 | LCC = 0.8189 | SRCC = 0.8325 ]
[Valid(teacher)][0][UTT][ GML = 0.040310 | AML = 0.172619 | MoV = 0.470836 | VoV = 0.011316 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005502 | VoV = 0.000024 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.3901199996471405
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.27 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.1746 | LCC = 0.5671 | SRCC = 0.5325 ] [SYS][ MSE = 0.7848 | LCC = 0.9073 | SRCC = 0.8646 ]
[Valid(teacher)][1][UTT][ GML = 0.140246 | AML = 0.286568 | MoV = 0.461521 | VoV = 0.011435 ] [SYS][ GML = 0.000000 | AML = 0.000088 | MoV = 0.005496 | VoV = 0.000025 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.3268442153930664
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.03 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.5730 | LCC = 0.6056 | SRCC = 0.5579 ] [SYS][ MSE = 0.1451 | LCC = 0.9401 | SRCC = 0.8571 ]
[Valid(teacher)][2][UTT][ GML = 0.313340 | AML = 0.381233 | MoV = 0.511544 | VoV = 0.006002 ] [SYS][ GML = 0.000022 | AML = 0.548804 | MoV = 0.005887 | VoV = 0.000022 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.29435208439826965
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.93 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.5941 | LCC = 0.6206 | SRCC = 0.5726 ] [SYS][ MSE = 0.1727 | LCC = 0.9497 | SRCC = 0.8865 ]
[Valid(teacher)][3][UTT][ GML = 0.303208 | AML = 0.383184 | MoV = 0.480247 | VoV = 0.006233 ] [SYS][ GML = 0.000000 | AML = 0.197945 | MoV = 0.005503 | VoV = 0.000018 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.24745972454547882
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.88 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.9105 | LCC = 0.6246 | SRCC = 0.5771 ] [SYS][ MSE = 0.5103 | LCC = 0.9608 | SRCC = 0.9166 ]
[Valid(teacher)][4][UTT][ GML = 0.199324 | AML = 0.331310 | MoV = 0.431154 | VoV = 0.006536 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004987 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.23074376583099365
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.15 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.9260 | LCC = 0.6258 | SRCC = 0.5792 ] [SYS][ MSE = 0.5217 | LCC = 0.9627 | SRCC = 0.9152 ]
[Valid(teacher)][5][UTT][ GML = 0.192972 | AML = 0.329658 | MoV = 0.424510 | VoV = 0.006548 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004917 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2199753373861313
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.12 step/s]

[Valid(teacher)][6][UTT][ MSE = 1.1493 | LCC = 0.6224 | SRCC = 0.5759 ] [SYS][ MSE = 0.7506 | LCC = 0.9665 | SRCC = 0.9364 ]
[Valid(teacher)][6][UTT][ GML = 0.137663 | AML = 0.293301 | MoV = 0.403533 | VoV = 0.006613 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004723 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.20351555943489075
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.35 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.3597 | LCC = 0.6191 | SRCC = 0.5735 ] [SYS][ MSE = 0.9679 | LCC = 0.9685 | SRCC = 0.9364 ]
[Valid(teacher)][7][UTT][ GML = 0.099093 | AML = 0.261332 | MoV = 0.388233 | VoV = 0.006542 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004587 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.18956506252288818
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.94 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.5379 | LCC = 0.6150 | SRCC = 0.5704 ] [SYS][ MSE = 1.1544 | LCC = 0.9717 | SRCC = 0.9364 ]
[Valid(teacher)][8][UTT][ GML = 0.074924 | AML = 0.237275 | MoV = 0.375620 | VoV = 0.006083 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004462 | VoV = 0.000016 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.17507950961589813
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.86 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.5428 | LCC = 0.6149 | SRCC = 0.5732 ] [SYS][ MSE = 1.1591 | LCC = 0.9728 | SRCC = 0.9330 ]
[Valid(teacher)][9][UTT][ GML = 0.073849 | AML = 0.237590 | MoV = 0.369486 | VoV = 0.005626 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004389 | VoV = 0.000015 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.16147498786449432
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.37 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.5224 | LCC = 0.6138 | SRCC = 0.5746 ] [SYS][ MSE = 1.1350 | LCC = 0.9733 | SRCC = 0.9337 ]
[Valid(teacher)][10][UTT][ GML = 0.075678 | AML = 0.241593 | MoV = 0.364302 | VoV = 0.005059 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004325 | VoV = 0.000014 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.15005123615264893
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.03 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.5165 | LCC = 0.6107 | SRCC = 0.5753 ] [SYS][ MSE = 1.1304 | LCC = 0.9722 | SRCC = 0.9364 ]
[Valid(teacher)][11][UTT][ GML = 0.076552 | AML = 0.243935 | MoV = 0.359554 | VoV = 0.004359 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004266 | VoV = 0.000014 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.13496385514736176
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.78 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.4270 | LCC = 0.6081 | SRCC = 0.5747 ] [SYS][ MSE = 1.0339 | LCC = 0.9715 | SRCC = 0.9364 ]
[Valid(teacher)][12][UTT][ GML = 0.088087 | AML = 0.256800 | MoV = 0.361312 | VoV = 0.003970 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004272 | VoV = 0.000014 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.11952601373195648
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.83 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.4083 | LCC = 0.6070 | SRCC = 0.5751 ] [SYS][ MSE = 1.0134 | LCC = 0.9713 | SRCC = 0.9357 ]
[Valid(teacher)][13][UTT][ GML = 0.089407 | AML = 0.259567 | MoV = 0.357935 | VoV = 0.003824 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004223 | VoV = 0.000013 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.10938485711812973
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.34 step/s]

[Valid(teacher)][14][UTT][ MSE = 1.4508 | LCC = 0.6040 | SRCC = 0.5752 ] [SYS][ MSE = 1.0637 | LCC = 0.9700 | SRCC = 0.9282 ]
[Valid(teacher)][14][UTT][ GML = 0.081478 | AML = 0.254466 | MoV = 0.348637 | VoV = 0.003592 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004126 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.10015618056058884
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.69 step/s]

[Valid(teacher)][15][UTT][ MSE = 1.3323 | LCC = 0.6036 | SRCC = 0.5766 ] [SYS][ MSE = 0.9310 | LCC = 0.9684 | SRCC = 0.9200 ]
[Valid(teacher)][15][UTT][ GML = 0.096183 | AML = 0.271914 | MoV = 0.348116 | VoV = 0.003399 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004099 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.08471258729696274
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.81 step/s]

[Valid(teacher)][16][UTT][ MSE = 1.3947 | LCC = 0.5975 | SRCC = 0.5722 ] [SYS][ MSE = 0.9879 | LCC = 0.9676 | SRCC = 0.9179 ]
[Valid(teacher)][16][UTT][ GML = 0.082704 | AML = 0.263294 | MoV = 0.336231 | VoV = 0.003494 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003978 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.07736781239509583
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.01 step/s]

[Valid(teacher)][17][UTT][ MSE = 1.3892 | LCC = 0.5953 | SRCC = 0.5718 ] [SYS][ MSE = 0.9784 | LCC = 0.9672 | SRCC = 0.9118 ]
[Valid(teacher)][17][UTT][ GML = 0.078533 | AML = 0.264655 | MoV = 0.325824 | VoV = 0.003634 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003865 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.05931981280460526
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.55 step/s]

[Valid(teacher)][18][UTT][ MSE = 1.4415 | LCC = 0.5906 | SRCC = 0.5673 ] [SYS][ MSE = 1.0288 | LCC = 0.9674 | SRCC = 0.9043 ]
[Valid(teacher)][18][UTT][ GML = 0.069403 | AML = 0.257494 | MoV = 0.318907 | VoV = 0.003524 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003786 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.05931981280460526
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.55 step/s]

[Valid(teacher)][19][UTT][ MSE = 1.5367 | LCC = 0.5867 | SRCC = 0.5648 ] [SYS][ MSE = 1.1274 | LCC = 0.9682 | SRCC = 0.9262 ]
[Valid(teacher)][19][UTT][ GML = 0.055404 | AML = 0.243803 | MoV = 0.307742 | VoV = 0.003440 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003667 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
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Average loss=0.04777933284640312
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.15 step/s]

[Valid(teacher)][20][UTT][ MSE = 1.4660 | LCC = 0.5858 | SRCC = 0.5646 ] [SYS][ MSE = 1.0451 | LCC = 0.9682 | SRCC = 0.9275 ]
[Valid(teacher)][20][UTT][ GML = 0.061151 | AML = 0.254048 | MoV = 0.305153 | VoV = 0.003298 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003626 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=0.03652733936905861
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.16 step/s]

[Valid(teacher)][21][UTT][ MSE = 1.5030 | LCC = 0.5850 | SRCC = 0.5657 ] [SYS][ MSE = 1.0825 | LCC = 0.9685 | SRCC = 0.9268 ]
[Valid(teacher)][21][UTT][ GML = 0.054561 | AML = 0.248919 | MoV = 0.298078 | VoV = 0.003306 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003546 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.03067943826317787
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.37 step/s]

[Valid(teacher)][22][UTT][ MSE = 1.5248 | LCC = 0.5815 | SRCC = 0.5646 ] [SYS][ MSE = 1.1005 | LCC = 0.9689 | SRCC = 0.9227 ]
[Valid(teacher)][22][UTT][ GML = 0.049599 | AML = 0.246725 | MoV = 0.291189 | VoV = 0.003362 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003470 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.015315713360905647
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.80 step/s]

[Valid(teacher)][23][UTT][ MSE = 1.5780 | LCC = 0.5780 | SRCC = 0.5628 ] [SYS][ MSE = 1.1497 | LCC = 0.9697 | SRCC = 0.9234 ]
[Valid(teacher)][23][UTT][ GML = 0.041795 | AML = 0.239438 | MoV = 0.282800 | VoV = 0.003320 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003376 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.005011128727346659
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.33 step/s]

[Valid(teacher)][24][UTT][ MSE = 1.5909 | LCC = 0.5753 | SRCC = 0.5630 ] [SYS][ MSE = 1.1580 | LCC = 0.9695 | SRCC = 0.9296 ]
[Valid(teacher)][24][UTT][ GML = 0.039507 | AML = 0.237966 | MoV = 0.279124 | VoV = 0.003249 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003333 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.0064236135222017765
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.98 step/s]

[Valid(teacher)][25][UTT][ MSE = 1.4807 | LCC = 0.5812 | SRCC = 0.5667 ] [SYS][ MSE = 1.0338 | LCC = 0.9720 | SRCC = 0.9289 ]
[Valid(teacher)][25][UTT][ GML = 0.047441 | AML = 0.253386 | MoV = 0.279780 | VoV = 0.003503 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003332 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.02069913959148407
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.51 step/s]

[Valid(teacher)][26][UTT][ MSE = 1.5695 | LCC = 0.5758 | SRCC = 0.5632 ] [SYS][ MSE = 1.1236 | LCC = 0.9723 | SRCC = 0.9227 ]
[Valid(teacher)][26][UTT][ GML = 0.037043 | AML = 0.240861 | MoV = 0.271492 | VoV = 0.003582 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003248 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.03806927055120468
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.45 step/s]

[Valid(teacher)][27][UTT][ MSE = 1.5936 | LCC = 0.5737 | SRCC = 0.5613 ] [SYS][ MSE = 1.1446 | LCC = 0.9739 | SRCC = 0.9385 ]
[Valid(teacher)][27][UTT][ GML = 0.032817 | AML = 0.237163 | MoV = 0.264753 | VoV = 0.003534 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003169 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.04288823902606964
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.09 step/s]

[Valid(teacher)][28][UTT][ MSE = 1.5036 | LCC = 0.5781 | SRCC = 0.5642 ] [SYS][ MSE = 1.0471 | LCC = 0.9756 | SRCC = 0.9378 ]
[Valid(teacher)][28][UTT][ GML = 0.036875 | AML = 0.249688 | MoV = 0.261830 | VoV = 0.003836 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003136 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.06301971524953842
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.74 step/s]

[Valid(teacher)][29][UTT][ MSE = 1.5039 | LCC = 0.5763 | SRCC = 0.5619 ] [SYS][ MSE = 1.0403 | LCC = 0.9757 | SRCC = 0.9371 ]
[Valid(teacher)][29][UTT][ GML = 0.033923 | AML = 0.250035 | MoV = 0.255793 | VoV = 0.003780 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003065 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.0687955990433693
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.51 step/s]

[Valid(teacher)][30][UTT][ MSE = 1.5278 | LCC = 0.5730 | SRCC = 0.5598 ] [SYS][ MSE = 1.0657 | LCC = 0.9760 | SRCC = 0.9391 ]
[Valid(teacher)][30][UTT][ GML = 0.031208 | AML = 0.246296 | MoV = 0.252128 | VoV = 0.003674 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003028 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.07963692396879196
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.35 step/s]

[Valid(teacher)][31][UTT][ MSE = 1.5463 | LCC = 0.5713 | SRCC = 0.5590 ] [SYS][ MSE = 1.0855 | LCC = 0.9756 | SRCC = 0.9419 ]
[Valid(teacher)][31][UTT][ GML = 0.028602 | AML = 0.243652 | MoV = 0.247359 | VoV = 0.003472 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002973 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.09344182908535004
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.90 step/s]

[Valid(teacher)][32][UTT][ MSE = 1.5803 | LCC = 0.5687 | SRCC = 0.5575 ] [SYS][ MSE = 1.1173 | LCC = 0.9757 | SRCC = 0.9419 ]
[Valid(teacher)][32][UTT][ GML = 0.024410 | AML = 0.238765 | MoV = 0.241704 | VoV = 0.003476 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002912 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1000177264213562
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.97 step/s]

[Valid(teacher)][33][UTT][ MSE = 1.5636 | LCC = 0.5662 | SRCC = 0.5550 ] [SYS][ MSE = 1.0901 | LCC = 0.9755 | SRCC = 0.9405 ]
[Valid(teacher)][33][UTT][ GML = 0.024106 | AML = 0.242064 | MoV = 0.238761 | VoV = 0.003407 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002877 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.11046229302883148
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.77 step/s]

[Valid(teacher)][34][UTT][ MSE = 1.4270 | LCC = 0.5716 | SRCC = 0.5590 ] [SYS][ MSE = 0.9401 | LCC = 0.9766 | SRCC = 0.9391 ]
[Valid(teacher)][34][UTT][ GML = 0.032029 | AML = 0.263183 | MoV = 0.237785 | VoV = 0.003297 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002859 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1186714768409729
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.48 step/s]

[Valid(teacher)][35][UTT][ MSE = 1.3081 | LCC = 0.5780 | SRCC = 0.5638 ] [SYS][ MSE = 0.8205 | LCC = 0.9784 | SRCC = 0.9391 ]
[Valid(teacher)][35][UTT][ GML = 0.041843 | AML = 0.282513 | MoV = 0.237850 | VoV = 0.003285 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002855 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1337175816297531
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.82 step/s]

[Valid(teacher)][36][UTT][ MSE = 1.2171 | LCC = 0.5846 | SRCC = 0.5674 ] [SYS][ MSE = 0.7278 | LCC = 0.9797 | SRCC = 0.9405 ]
[Valid(teacher)][36][UTT][ GML = 0.049004 | AML = 0.298002 | MoV = 0.235071 | VoV = 0.003305 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002820 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.14642861485481262
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.63 step/s]

[Valid(teacher)][37][UTT][ MSE = 1.2261 | LCC = 0.5856 | SRCC = 0.5671 ] [SYS][ MSE = 0.7345 | LCC = 0.9808 | SRCC = 0.9419 ]
[Valid(teacher)][37][UTT][ GML = 0.044152 | AML = 0.295815 | MoV = 0.229326 | VoV = 0.003406 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002762 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.15564559400081635
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.51 step/s]

[Valid(teacher)][38][UTT][ MSE = 1.1107 | LCC = 0.5909 | SRCC = 0.5693 ] [SYS][ MSE = 0.6064 | LCC = 0.9816 | SRCC = 0.9391 ]
[Valid(teacher)][38][UTT][ GML = 0.057229 | AML = 0.318028 | MoV = 0.229431 | VoV = 0.003315 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002746 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1641647070646286
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.34 step/s]

[Valid(teacher)][39][UTT][ MSE = 1.1081 | LCC = 0.5897 | SRCC = 0.5691 ] [SYS][ MSE = 0.6053 | LCC = 0.9815 | SRCC = 0.9398 ]
[Valid(teacher)][39][UTT][ GML = 0.055278 | AML = 0.318860 | MoV = 0.225509 | VoV = 0.003297 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002704 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.17608888447284698
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.81 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.9653 | LCC = 0.5964 | SRCC = 0.5737 ] [SYS][ MSE = 0.4609 | LCC = 0.9822 | SRCC = 0.9371 ]
[Valid(teacher)][40][UTT][ GML = 0.081216 | AML = 0.347155 | MoV = 0.228381 | VoV = 0.003103 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002717 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.18730682134628296
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.15 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.9361 | LCC = 0.5995 | SRCC = 0.5767 ] [SYS][ MSE = 0.4311 | LCC = 0.9829 | SRCC = 0.9542 ]
[Valid(teacher)][41][UTT][ GML = 0.086195 | AML = 0.353056 | MoV = 0.226905 | VoV = 0.003003 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002696 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1940770447254181
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.20 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.8703 | LCC = 0.6053 | SRCC = 0.5812 ] [SYS][ MSE = 0.3701 | LCC = 0.9838 | SRCC = 0.9487 ]
[Valid(teacher)][42][UTT][ GML = 0.101336 | AML = 0.366541 | MoV = 0.227170 | VoV = 0.002958 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002688 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.20676651526107788
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.29 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.8618 | LCC = 0.6040 | SRCC = 0.5794 ] [SYS][ MSE = 0.3547 | LCC = 0.9836 | SRCC = 0.9474 ]
[Valid(teacher)][43][UTT][ GML = 0.098997 | AML = 0.369501 | MoV = 0.222795 | VoV = 0.002889 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002638 | VoV = 0.000005 ]
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Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.21583427488803864
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.53 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.8077 | LCC = 0.6060 | SRCC = 0.5812 ] [SYS][ MSE = 0.3006 | LCC = 0.9845 | SRCC = 0.9562 ]
[Valid(teacher)][44][UTT][ GML = 0.113874 | AML = 0.381893 | MoV = 0.221649 | VoV = 0.002714 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002617 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2295572087093353
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.64 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.8334 | LCC = 0.6048 | SRCC = 0.5795 ] [SYS][ MSE = 0.3253 | LCC = 0.9842 | SRCC = 0.9453 ]
[Valid(teacher)][45][UTT][ GML = 0.102490 | AML = 0.376442 | MoV = 0.216598 | VoV = 0.002673 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002566 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.2387294322522736
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.27 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.7650 | LCC = 0.6101 | SRCC = 0.5835 ] [SYS][ MSE = 0.2600 | LCC = 0.9839 | SRCC = 0.9521 ]
[Valid(teacher)][46][UTT][ GML = 0.122335 | AML = 0.392716 | MoV = 0.217051 | VoV = 0.002628 ] [SYS][ GML = 0.000000 | AML = 0.000032 | MoV = 0.002561 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.24597665667533875
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.63 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.7200 | LCC = 0.6118 | SRCC = 0.5848 ] [SYS][ MSE = 0.2144 | LCC = 0.9831 | SRCC = 0.9542 ]
[Valid(teacher)][47][UTT][ GML = 0.139036 | AML = 0.405196 | MoV = 0.217100 | VoV = 0.002403 ] [SYS][ GML = 0.000000 | AML = 0.001401 | MoV = 0.002548 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.25675761699676514
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.10 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.7500 | LCC = 0.6099 | SRCC = 0.5827 ] [SYS][ MSE = 0.2426 | LCC = 0.9822 | SRCC = 0.9460 ]
[Valid(teacher)][48][UTT][ GML = 0.123013 | AML = 0.398625 | MoV = 0.211574 | VoV = 0.002323 ] [SYS][ GML = 0.000000 | AML = 0.000435 | MoV = 0.002491 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.26537027955055237
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.58 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.7232 | LCC = 0.6123 | SRCC = 0.5853 ] [SYS][ MSE = 0.2151 | LCC = 0.9832 | SRCC = 0.9610 ]
[Valid(teacher)][49][UTT][ GML = 0.132209 | AML = 0.405595 | MoV = 0.210608 | VoV = 0.002195 ] [SYS][ GML = 0.000000 | AML = 0.002824 | MoV = 0.002474 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2759281396865845
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.98 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.6905 | LCC = 0.6163 | SRCC = 0.5881 ] [SYS][ MSE = 0.1871 | LCC = 0.9849 | SRCC = 0.9617 ]
[Valid(teacher)][50][UTT][ GML = 0.144742 | AML = 0.413903 | MoV = 0.210337 | VoV = 0.002131 ] [SYS][ GML = 0.000000 | AML = 0.002763 | MoV = 0.002469 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.28610241413116455
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.09 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.6985 | LCC = 0.6134 | SRCC = 0.5852 ] [SYS][ MSE = 0.1879 | LCC = 0.9844 | SRCC = 0.9658 ]
[Valid(teacher)][51][UTT][ GML = 0.137180 | AML = 0.412360 | MoV = 0.206608 | VoV = 0.002202 ] [SYS][ GML = 0.000000 | AML = 0.003942 | MoV = 0.002431 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.29409492015838623
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.77 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.6893 | LCC = 0.6150 | SRCC = 0.5860 ] [SYS][ MSE = 0.1781 | LCC = 0.9834 | SRCC = 0.9583 ]
[Valid(teacher)][52][UTT][ GML = 0.137113 | AML = 0.415355 | MoV = 0.203977 | VoV = 0.002184 ] [SYS][ GML = 0.000000 | AML = 0.004980 | MoV = 0.002402 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.29767990172576904
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.79 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.6465 | LCC = 0.6186 | SRCC = 0.5898 ] [SYS][ MSE = 0.1380 | LCC = 0.9837 | SRCC = 0.9583 ]
[Valid(teacher)][53][UTT][ GML = 0.156824 | AML = 0.429144 | MoV = 0.204550 | VoV = 0.002026 ] [SYS][ GML = 0.000000 | AML = 0.050451 | MoV = 0.002395 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3132511377334595
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.63 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.6169 | LCC = 0.6209 | SRCC = 0.5926 ] [SYS][ MSE = 0.1120 | LCC = 0.9838 | SRCC = 0.9692 ]
[Valid(teacher)][54][UTT][ GML = 0.169482 | AML = 0.439429 | MoV = 0.203164 | VoV = 0.002016 ] [SYS][ GML = 0.000000 | AML = 0.134861 | MoV = 0.002378 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.33293068408966064
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.49 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.6167 | LCC = 0.6200 | SRCC = 0.5915 ] [SYS][ MSE = 0.1085 | LCC = 0.9830 | SRCC = 0.9685 ]
[Valid(teacher)][55][UTT][ GML = 0.165470 | AML = 0.440319 | MoV = 0.198841 | VoV = 0.001901 ] [SYS][ GML = 0.000000 | AML = 0.190349 | MoV = 0.002331 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.34290623664855957
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.52 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.6127 | LCC = 0.6199 | SRCC = 0.5912 ] [SYS][ MSE = 0.1037 | LCC = 0.9831 | SRCC = 0.9699 ]
[Valid(teacher)][56][UTT][ GML = 0.165105 | AML = 0.442629 | MoV = 0.195329 | VoV = 0.001700 ] [SYS][ GML = 0.000000 | AML = 0.199681 | MoV = 0.002287 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3480144143104553
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.51 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.6070 | LCC = 0.6206 | SRCC = 0.5918 ] [SYS][ MSE = 0.0968 | LCC = 0.9817 | SRCC = 0.9665 ]
[Valid(teacher)][57][UTT][ GML = 0.164504 | AML = 0.444775 | MoV = 0.192509 | VoV = 0.001650 ] [SYS][ GML = 0.000000 | AML = 0.283722 | MoV = 0.002253 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3094349503517151
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.88 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5982 | LCC = 0.6202 | SRCC = 0.5921 ] [SYS][ MSE = 0.0867 | LCC = 0.9814 | SRCC = 0.9692 ]
[Valid(teacher)][58][UTT][ GML = 0.167531 | AML = 0.448926 | MoV = 0.190560 | VoV = 0.001603 ] [SYS][ GML = 0.000000 | AML = 0.335925 | MoV = 0.002232 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3657234013080597
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.44 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5846 | LCC = 0.6210 | SRCC = 0.5925 ] [SYS][ MSE = 0.0744 | LCC = 0.9810 | SRCC = 0.9658 ]
[Valid(teacher)][59][UTT][ GML = 0.173848 | AML = 0.454330 | MoV = 0.190273 | VoV = 0.001626 ] [SYS][ GML = 0.000000 | AML = 0.395113 | MoV = 0.002228 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3705216944217682
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.41 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5745 | LCC = 0.6213 | SRCC = 0.5923 ] [SYS][ MSE = 0.0659 | LCC = 0.9816 | SRCC = 0.9658 ]
[Valid(teacher)][60][UTT][ GML = 0.178474 | AML = 0.458974 | MoV = 0.189446 | VoV = 0.001632 ] [SYS][ GML = 0.000000 | AML = 0.562835 | MoV = 0.002218 | 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 [00:21<00:00, 185.77 step/s]

[Test(best)][61][UTT][ MSE = 0.8832 | LCC = 0.6373 | SRCC = 0.6000 ] [SYS][ MSE = 0.4757 | LCC = 0.9640 | SRCC = 0.9439 ]
[Test(best)][61][UTT][ GML = 0.202322 | AML = 0.334387 | MoV = 0.425170 | VoV = 0.006837 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003564 | VoV = 0.000007 ]
Test(last): 100% 4000/4000 [00:20<00:00, 192.81 step/s]

[Test(last)][61][UTT][ MSE = 0.5416 | LCC = 0.6457 | SRCC = 0.6195 ] [SYS][ MSE = 0.0613 | LCC = 0.9816 | SRCC = 0.9726 ]
[Test(last)][61][UTT][ GML = 0.194911 | AML = 0.477445 | MoV = 0.190209 | VoV = 0.001597 ] [SYS][ GML = 0.000000 | AML = 0.323276 | MoV = 0.001616 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node001 ProMOSNet]$
```