```
(lxygpu) [x_xlian@node004 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1/run6"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:54<00:00, 113.83it/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 [01:45<00:00, 28.55it/s]
/proj/ihorse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  self.scores['JUDGE'][i] = self.idtable[judge_i]
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████| 4000/4000 [02:20<00:00, 28.42it/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,  4.07 step/s]
Average loss=47304.51171875
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.23 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.8076 | LCC = 0.4839 | SRCC = 0.4596 ] [SYS][ MSE = 1.5859 | LCC = 0.8323 | SRCC = 0.8434 ]
[Valid(teacher)][0][UTT][ GML = 0.120539 | AML = 0.221799 | MoV = 0.681981 | VoV = 0.025568 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.007977 | VoV = 0.000051 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.5355099439620972
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.37 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.7924 | LCC = 0.5547 | SRCC = 0.5204 ] [SYS][ MSE = 1.4145 | LCC = 0.8986 | SRCC = 0.8646 ]
[Valid(teacher)][1][UTT][ GML = 0.024228 | AML = 0.209160 | MoV = 0.386470 | VoV = 0.020911 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004804 | VoV = 0.000027 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.4311569631099701
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.27 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.9187 | LCC = 0.5732 | SRCC = 0.5347 ] [SYS][ MSE = 1.5388 | LCC = 0.9268 | SRCC = 0.8892 ]
[Valid(teacher)][2][UTT][ GML = 0.016077 | AML = 0.192162 | MoV = 0.356869 | VoV = 0.015019 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004360 | VoV = 0.000019 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.390069842338562
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.20 step/s]

[Valid(teacher)][3][UTT][ MSE = 2.2263 | LCC = 0.5872 | SRCC = 0.5452 ] [SYS][ MSE = 1.8851 | LCC = 0.9366 | SRCC = 0.8879 ]
[Valid(teacher)][3][UTT][ GML = 0.010088 | AML = 0.157266 | MoV = 0.346928 | VoV = 0.013249 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004230 | VoV = 0.000017 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.3532778322696686
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.50 step/s]

[Valid(teacher)][4][UTT][ MSE = 2.2602 | LCC = 0.5932 | SRCC = 0.5500 ] [SYS][ MSE = 1.9311 | LCC = 0.9450 | SRCC = 0.8954 ]
[Valid(teacher)][4][UTT][ GML = 0.013045 | AML = 0.154066 | MoV = 0.350350 | VoV = 0.011428 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004256 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.33239760994911194
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.88 step/s]

[Valid(teacher)][5][UTT][ MSE = 2.2234 | LCC = 0.5985 | SRCC = 0.5545 ] [SYS][ MSE = 1.8915 | LCC = 0.9475 | SRCC = 0.8899 ]
[Valid(teacher)][5][UTT][ GML = 0.014665 | AML = 0.156721 | MoV = 0.351081 | VoV = 0.011138 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004259 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.31524571776390076
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.78 step/s]

[Valid(teacher)][6][UTT][ MSE = 2.1303 | LCC = 0.6078 | SRCC = 0.5637 ] [SYS][ MSE = 1.7913 | LCC = 0.9531 | SRCC = 0.9022 ]
[Valid(teacher)][6][UTT][ GML = 0.020567 | AML = 0.165402 | MoV = 0.359083 | VoV = 0.010698 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004347 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.2996334433555603
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.32 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.9328 | LCC = 0.6127 | SRCC = 0.5686 ] [SYS][ MSE = 1.5830 | LCC = 0.9560 | SRCC = 0.9015 ]
[Valid(teacher)][7][UTT][ GML = 0.035833 | AML = 0.187296 | MoV = 0.373310 | VoV = 0.009281 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004480 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.26411551237106323
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.29 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.7912 | LCC = 0.6169 | SRCC = 0.5738 ] [SYS][ MSE = 1.4399 | LCC = 0.9580 | SRCC = 0.9009 ]
[Valid(teacher)][8][UTT][ GML = 0.050524 | AML = 0.204625 | MoV = 0.380613 | VoV = 0.008081 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004548 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2474321871995926
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.91 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.6175 | LCC = 0.6213 | SRCC = 0.5809 ] [SYS][ MSE = 1.2591 | LCC = 0.9606 | SRCC = 0.9125 ]
[Valid(teacher)][9][UTT][ GML = 0.068273 | AML = 0.227201 | MoV = 0.380407 | VoV = 0.006865 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004527 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.23270593583583832
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.67 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.5749 | LCC = 0.6222 | SRCC = 0.5841 ] [SYS][ MSE = 1.2155 | LCC = 0.9614 | SRCC = 0.9070 ]
[Valid(teacher)][10][UTT][ GML = 0.073403 | AML = 0.233983 | MoV = 0.376933 | VoV = 0.006208 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004482 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.21778900921344757
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.06 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.3877 | LCC = 0.6237 | SRCC = 0.5886 ] [SYS][ MSE = 1.0122 | LCC = 0.9622 | SRCC = 0.9118 ]
[Valid(teacher)][11][UTT][ GML = 0.098252 | AML = 0.260853 | MoV = 0.381170 | VoV = 0.005537 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004496 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.2049810141324997
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.50 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.3760 | LCC = 0.6245 | SRCC = 0.5905 ] [SYS][ MSE = 1.0038 | LCC = 0.9638 | SRCC = 0.9173 ]
[Valid(teacher)][12][UTT][ GML = 0.098910 | AML = 0.263436 | MoV = 0.375941 | VoV = 0.005267 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004433 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.18620222806930542
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.63 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.3538 | LCC = 0.6252 | SRCC = 0.5925 ] [SYS][ MSE = 0.9811 | LCC = 0.9656 | SRCC = 0.9193 ]
[Valid(teacher)][13][UTT][ GML = 0.100956 | AML = 0.267530 | MoV = 0.372109 | VoV = 0.005253 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004389 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.17309129238128662
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.26 step/s]

[Valid(teacher)][14][UTT][ MSE = 1.3326 | LCC = 0.6236 | SRCC = 0.5913 ] [SYS][ MSE = 0.9536 | LCC = 0.9647 | SRCC = 0.9173 ]
[Valid(teacher)][14][UTT][ GML = 0.099821 | AML = 0.271610 | MoV = 0.363272 | VoV = 0.005332 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004289 | VoV = 0.000013 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.1605164110660553
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.56 step/s]

[Valid(teacher)][15][UTT][ MSE = 1.2757 | LCC = 0.6252 | SRCC = 0.5940 ] [SYS][ MSE = 0.8899 | LCC = 0.9671 | SRCC = 0.9227 ]
[Valid(teacher)][15][UTT][ GML = 0.107679 | AML = 0.280912 | MoV = 0.360644 | VoV = 0.004934 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004242 | VoV = 0.000013 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.14839430153369904
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.81 step/s]

[Valid(teacher)][16][UTT][ MSE = 1.0859 | LCC = 0.6282 | SRCC = 0.5966 ] [SYS][ MSE = 0.6807 | LCC = 0.9702 | SRCC = 0.9255 ]
[Valid(teacher)][16][UTT][ GML = 0.142054 | AML = 0.312181 | MoV = 0.363368 | VoV = 0.004599 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004226 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.1394146829843521
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.13 step/s]

[Valid(teacher)][17][UTT][ MSE = 1.0706 | LCC = 0.6278 | SRCC = 0.5971 ] [SYS][ MSE = 0.6630 | LCC = 0.9708 | SRCC = 0.9296 ]
[Valid(teacher)][17][UTT][ GML = 0.141181 | AML = 0.315950 | MoV = 0.356024 | VoV = 0.004864 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004152 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=0.12455573678016663
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.98 step/s]

[Valid(teacher)][18][UTT][ MSE = 1.0424 | LCC = 0.6264 | SRCC = 0.5969 ] [SYS][ MSE = 0.6248 | LCC = 0.9718 | SRCC = 0.9357 ]
[Valid(teacher)][18][UTT][ GML = 0.143062 | AML = 0.322425 | MoV = 0.348389 | VoV = 0.004917 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004059 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.1245557367801663
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.98 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.9390 | LCC = 0.6301 | SRCC = 0.5989 ] [SYS][ MSE = 0.5112 | LCC = 0.9733 | SRCC = 0.9357 ]
[Valid(teacher)][19][UTT][ GML = 0.164773 | AML = 0.341839 | MoV = 0.346025 | VoV = 0.004844 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004003 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
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Average loss=0.10466267913579941
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.59 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.8581 | LCC = 0.6308 | SRCC = 0.5985 ] [SYS][ MSE = 0.4196 | LCC = 0.9755 | SRCC = 0.9330 ]
[Valid(teacher)][20][UTT][ GML = 0.183289 | AML = 0.358189 | MoV = 0.341109 | VoV = 0.004721 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003928 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.0937534049153328
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.62 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.7604 | LCC = 0.6344 | SRCC = 0.5996 ] [SYS][ MSE = 0.3110 | LCC = 0.9778 | SRCC = 0.9323 ]
[Valid(teacher)][21][UTT][ GML = 0.209222 | AML = 0.378406 | MoV = 0.337699 | VoV = 0.004834 ] [SYS][ GML = 0.000000 | AML = 0.000030 | MoV = 0.003864 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=2.094040393829345
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.07 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.7103 | LCC = 0.6366 | SRCC = 0.6011 ] [SYS][ MSE = 0.2576 | LCC = 0.9795 | SRCC = 0.9323 ]
[Valid(teacher)][22][UTT][ GML = 0.224625 | AML = 0.389247 | MoV = 0.334677 | VoV = 0.004743 ] [SYS][ GML = 0.000000 | AML = 0.000610 | MoV = 0.003816 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.06738508492708206
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.09 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.7376 | LCC = 0.6360 | SRCC = 0.6012 ] [SYS][ MSE = 0.2881 | LCC = 0.9807 | SRCC = 0.9391 ]
[Valid(teacher)][23][UTT][ GML = 0.211447 | AML = 0.384890 | MoV = 0.326894 | VoV = 0.004830 ] [SYS][ GML = 0.000000 | AML = 0.000111 | MoV = 0.003737 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.04930299893021586
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.81 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.7006 | LCC = 0.6377 | SRCC = 0.6023 ] [SYS][ MSE = 0.2491 | LCC = 0.9811 | SRCC = 0.9460 ]
[Valid(teacher)][24][UTT][ GML = 0.224900 | AML = 0.392821 | MoV = 0.325197 | VoV = 0.004441 ] [SYS][ GML = 0.000000 | AML = 0.000794 | MoV = 0.003690 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.03328883275389671
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.60 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.6873 | LCC = 0.6374 | SRCC = 0.6014 ] [SYS][ MSE = 0.2318 | LCC = 0.9817 | SRCC = 0.9446 ]
[Valid(teacher)][25][UTT][ GML = 0.225438 | AML = 0.396884 | MoV = 0.319302 | VoV = 0.004507 ] [SYS][ GML = 0.000000 | AML = 0.001396 | MoV = 0.003625 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.02533259429037571
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.57 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.6965 | LCC = 0.6363 | SRCC = 0.6005 ] [SYS][ MSE = 0.2374 | LCC = 0.9823 | SRCC = 0.9542 ]
[Valid(teacher)][26][UTT][ GML = 0.219431 | AML = 0.395738 | MoV = 0.314769 | VoV = 0.004374 ] [SYS][ GML = 0.000000 | AML = 0.001725 | MoV = 0.003575 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.011595064774155617
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.40 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.6608 | LCC = 0.6368 | SRCC = 0.6005 ] [SYS][ MSE = 0.2009 | LCC = 0.9816 | SRCC = 0.9439 ]
[Valid(teacher)][27][UTT][ GML = 0.230995 | AML = 0.404241 | MoV = 0.311342 | VoV = 0.004361 ] [SYS][ GML = 0.000000 | AML = 0.006143 | MoV = 0.003533 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.00315318931825459
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.34 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.6120 | LCC = 0.6383 | SRCC = 0.6006 ] [SYS][ MSE = 0.1526 | LCC = 0.9811 | SRCC = 0.9364 ]
[Valid(teacher)][28][UTT][ GML = 0.249587 | AML = 0.416037 | MoV = 0.308531 | VoV = 0.004306 ] [SYS][ GML = 0.000000 | AML = 0.051582 | MoV = 0.003490 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.009268807644963264
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.46 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5500 | LCC = 0.6418 | SRCC = 0.6034 ] [SYS][ MSE = 0.0921 | LCC = 0.9805 | SRCC = 0.9412 ]
[Valid(teacher)][29][UTT][ GML = 0.279924 | AML = 0.430989 | MoV = 0.308237 | VoV = 0.003938 ] [SYS][ GML = 0.000001 | AML = 0.298427 | MoV = 0.003458 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.020456736907362938
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.05 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5379 | LCC = 0.6422 | SRCC = 0.6038 ] [SYS][ MSE = 0.0796 | LCC = 0.9806 | SRCC = 0.9412 ]
[Valid(teacher)][30][UTT][ GML = 0.284710 | AML = 0.434789 | MoV = 0.305246 | VoV = 0.003836 ] [SYS][ GML = 0.000005 | AML = 0.425758 | MoV = 0.003421 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.03643425926566124
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.55 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5211 | LCC = 0.6446 | SRCC = 0.6065 ] [SYS][ MSE = 0.0661 | LCC = 0.9800 | SRCC = 0.9412 ]
[Valid(teacher)][31][UTT][ GML = 0.293050 | AML = 0.440176 | MoV = 0.301129 | VoV = 0.003534 ] [SYS][ GML = 0.000057 | AML = 0.756426 | MoV = 0.003367 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.04439055174589157
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.24 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5371 | LCC = 0.6427 | SRCC = 0.6055 ] [SYS][ MSE = 0.0808 | LCC = 0.9804 | SRCC = 0.9426 ]
[Valid(teacher)][32][UTT][ GML = 0.281198 | AML = 0.437273 | MoV = 0.297010 | VoV = 0.003702 ] [SYS][ GML = 0.000003 | AML = 0.391576 | MoV = 0.003332 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.062447771430015564
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.96 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5402 | LCC = 0.6425 | SRCC = 0.6054 ] [SYS][ MSE = 0.0836 | LCC = 0.9805 | SRCC = 0.9391 ]
[Valid(teacher)][33][UTT][ GML = 0.275370 | AML = 0.438388 | MoV = 0.290953 | VoV = 0.003728 ] [SYS][ GML = 0.000001 | AML = 0.384338 | MoV = 0.003268 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.07440579682588577
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.15 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5339 | LCC = 0.6422 | SRCC = 0.6048 ] [SYS][ MSE = 0.0793 | LCC = 0.9792 | SRCC = 0.9378 ]
[Valid(teacher)][34][UTT][ GML = 0.275759 | AML = 0.441942 | MoV = 0.286796 | VoV = 0.003719 ] [SYS][ GML = 0.000003 | AML = 0.498969 | MoV = 0.003222 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.09029045701026917
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.79 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5265 | LCC = 0.6428 | SRCC = 0.6055 ] [SYS][ MSE = 0.0721 | LCC = 0.9799 | SRCC = 0.9419 ]
[Valid(teacher)][35][UTT][ GML = 0.278057 | AML = 0.444952 | MoV = 0.282581 | VoV = 0.003513 ] [SYS][ GML = 0.000011 | AML = 0.546245 | MoV = 0.003166 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.09862999618053436
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.51 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5432 | LCC = 0.6403 | SRCC = 0.6031 ] [SYS][ MSE = 0.0863 | LCC = 0.9801 | SRCC = 0.9480 ]
[Valid(teacher)][36][UTT][ GML = 0.265448 | AML = 0.441872 | MoV = 0.278099 | VoV = 0.003603 ] [SYS][ GML = 0.000000 | AML = 0.330822 | MoV = 0.003124 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.11201948672533035
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.88 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5239 | LCC = 0.6413 | SRCC = 0.6035 ] [SYS][ MSE = 0.0670 | LCC = 0.9798 | SRCC = 0.9528 ]
[Valid(teacher)][37][UTT][ GML = 0.275250 | AML = 0.447734 | MoV = 0.274350 | VoV = 0.003386 ] [SYS][ GML = 0.000021 | AML = 0.623135 | MoV = 0.003070 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.12369617819786072
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.50 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5005 | LCC = 0.6414 | SRCC = 0.6031 ] [SYS][ MSE = 0.0419 | LCC = 0.9782 | SRCC = 0.9583 ]
[Valid(teacher)][38][UTT][ GML = 0.288573 | AML = 0.454921 | MoV = 0.271758 | VoV = 0.003159 ] [SYS][ GML = 0.003530 | AML = 1.950162 | MoV = 0.003031 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1393827646970749
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.04 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5015 | LCC = 0.6414 | SRCC = 0.6040 ] [SYS][ MSE = 0.0426 | LCC = 0.9770 | SRCC = 0.9467 ]
[Valid(teacher)][39][UTT][ GML = 0.284317 | AML = 0.456699 | MoV = 0.266316 | VoV = 0.003079 ] [SYS][ GML = 0.002649 | AML = 2.048717 | MoV = 0.002970 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1493488848209381
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.19 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5045 | LCC = 0.6421 | SRCC = 0.6040 ] [SYS][ MSE = 0.0454 | LCC = 0.9778 | SRCC = 0.9562 ]
[Valid(teacher)][40][UTT][ GML = 0.278516 | AML = 0.458106 | MoV = 0.261848 | VoV = 0.003163 ] [SYS][ GML = 0.001231 | AML = 1.676913 | MoV = 0.002925 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.02524784207344052
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.50 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.4999 | LCC = 0.6431 | SRCC = 0.6059 ] [SYS][ MSE = 0.0414 | LCC = 0.9780 | SRCC = 0.9562 ]
[Valid(teacher)][41][UTT][ GML = 0.279977 | AML = 0.460445 | MoV = 0.258640 | VoV = 0.003027 ] [SYS][ GML = 0.003022 | AML = 1.836640 | MoV = 0.002896 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.16984455287456512
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.54 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.4924 | LCC = 0.6433 | SRCC = 0.6060 ] [SYS][ MSE = 0.0360 | LCC = 0.9772 | SRCC = 0.9562 ]
[Valid(teacher)][42][UTT][ GML = 0.283712 | AML = 0.462660 | MoV = 0.256319 | VoV = 0.002929 ] [SYS][ GML = 0.010891 | AML = 2.212957 | MoV = 0.002865 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.18015128374099731
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.17 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.4982 | LCC = 0.6417 | SRCC = 0.6052 ] [SYS][ MSE = 0.0395 | LCC = 0.9763 | SRCC = 0.9528 ]
[Valid(teacher)][43][UTT][ GML = 0.277310 | AML = 0.462237 | MoV = 0.252316 | VoV = 0.002931 ] [SYS][ GML = 0.004537 | AML = 2.192704 | MoV = 0.002826 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.1885645091533661
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.42 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.4881 | LCC = 0.6423 | SRCC = 0.6069 ] [SYS][ MSE = 0.0315 | LCC = 0.9754 | SRCC = 0.9528 ]
[Valid(teacher)][44][UTT][ GML = 0.283897 | AML = 0.465672 | MoV = 0.250123 | VoV = 0.002724 ] [SYS][ GML = 0.031266 | AML = 2.421886 | MoV = 0.002794 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2013278603553772
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.21 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.4783 | LCC = 0.6436 | SRCC = 0.6091 ] [SYS][ MSE = 0.0254 | LCC = 0.9740 | SRCC = 0.9515 ]
[Valid(teacher)][45][UTT][ GML = 0.290898 | AML = 0.468823 | MoV = 0.247773 | VoV = 0.002442 ] [SYS][ GML = 0.136267 | AML = 3.095947 | MoV = 0.002761 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.20095740258693695
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.96 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.4795 | LCC = 0.6420 | SRCC = 0.6075 ] [SYS][ MSE = 0.0231 | LCC = 0.9734 | SRCC = 0.9528 ]
[Valid(teacher)][46][UTT][ GML = 0.289419 | AML = 0.468981 | MoV = 0.245289 | VoV = 0.002340 ] [SYS][ GML = 0.195537 | AML = 2.861616 | MoV = 0.002727 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2177320122718811
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.66 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.4809 | LCC = 0.6405 | SRCC = 0.6056 ] [SYS][ MSE = 0.0234 | LCC = 0.9734 | SRCC = 0.9487 ]
[Valid(teacher)][47][UTT][ GML = 0.285961 | AML = 0.469454 | MoV = 0.242103 | VoV = 0.002285 ] [SYS][ GML = 0.187665 | AML = 3.025225 | MoV = 0.002698 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.23094506561756134
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.73 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.4783 | LCC = 0.6426 | SRCC = 0.6079 ] [SYS][ MSE = 0.0243 | LCC = 0.9749 | SRCC = 0.9515 ]
[Valid(teacher)][48][UTT][ GML = 0.285221 | AML = 0.470888 | MoV = 0.239328 | VoV = 0.002294 ] [SYS][ GML = 0.186177 | AML = 3.145557 | MoV = 0.002673 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.2357444316148758
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.80 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.4787 | LCC = 0.6420 | SRCC = 0.6074 ] [SYS][ MSE = 0.0241 | LCC = 0.9755 | SRCC = 0.9562 ]
[Valid(teacher)][49][UTT][ GML = 0.283398 | AML = 0.471353 | MoV = 0.237564 | VoV = 0.002295 ] [SYS][ GML = 0.207476 | AML = 3.158702 | MoV = 0.002657 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2417825311422348
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.38 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.4784 | LCC = 0.6417 | SRCC = 0.6073 ] [SYS][ MSE = 0.0220 | LCC = 0.9759 | SRCC = 0.9576 ]
[Valid(teacher)][50][UTT][ GML = 0.282340 | AML = 0.472397 | MoV = 0.235445 | VoV = 0.002225 ] [SYS][ GML = 0.277939 | AML = 2.973063 | MoV = 0.002628 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.26054707169532776
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.86 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.4846 | LCC = 0.6401 | SRCC = 0.6048 ] [SYS][ MSE = 0.0282 | LCC = 0.9766 | SRCC = 0.9597 ]
[Valid(teacher)][51][UTT][ GML = 0.272606 | AML = 0.471767 | MoV = 0.231599 | VoV = 0.002337 ] [SYS][ GML = 0.078964 | AML = 2.706064 | MoV = 0.002599 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2653951346874237
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.51 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.4795 | LCC = 0.6397 | SRCC = 0.6046 ] [SYS][ MSE = 0.0242 | LCC = 0.9753 | SRCC = 0.9562 ]
[Valid(teacher)][52][UTT][ GML = 0.277872 | AML = 0.472417 | MoV = 0.231181 | VoV = 0.002177 ] [SYS][ GML = 0.216835 | AML = 3.006194 | MoV = 0.002586 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2740813195705414
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.36 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.4806 | LCC = 0.6398 | SRCC = 0.6050 ] [SYS][ MSE = 0.0236 | LCC = 0.9750 | SRCC = 0.9562 ]
[Valid(teacher)][53][UTT][ GML = 0.274980 | AML = 0.472788 | MoV = 0.228798 | VoV = 0.002146 ] [SYS][ GML = 0.218426 | AML = 3.025191 | MoV = 0.002560 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.08479543030261993
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.25 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.4827 | LCC = 0.6386 | SRCC = 0.6039 ] [SYS][ MSE = 0.0231 | LCC = 0.9745 | SRCC = 0.9535 ]
[Valid(teacher)][54][UTT][ GML = 0.272390 | AML = 0.472434 | MoV = 0.226327 | VoV = 0.002077 ] [SYS][ GML = 0.224391 | AML = 2.939090 | MoV = 0.002529 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2967444956302643
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.52 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.4812 | LCC = 0.6387 | SRCC = 0.6053 ] [SYS][ MSE = 0.0239 | LCC = 0.9740 | SRCC = 0.9549 ]
[Valid(teacher)][55][UTT][ GML = 0.272651 | AML = 0.473416 | MoV = 0.223611 | VoV = 0.001967 ] [SYS][ GML = 0.171512 | AML = 2.535755 | MoV = 0.002501 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.29462215304374695
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.75 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.4820 | LCC = 0.6378 | SRCC = 0.6044 ] [SYS][ MSE = 0.0237 | LCC = 0.9743 | SRCC = 0.9535 ]
[Valid(teacher)][56][UTT][ GML = 0.269581 | AML = 0.474295 | MoV = 0.222892 | VoV = 0.002041 ] [SYS][ GML = 0.199465 | AML = 2.737272 | MoV = 0.002497 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3172566592693329
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.29 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.4888 | LCC = 0.6361 | SRCC = 0.6030 ] [SYS][ MSE = 0.0271 | LCC = 0.9753 | SRCC = 0.9521 ]
[Valid(teacher)][57][UTT][ GML = 0.261354 | AML = 0.473819 | MoV = 0.220017 | VoV = 0.002070 ] [SYS][ GML = 0.090188 | AML = 2.871777 | MoV = 0.002473 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.32093513011932373
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.33 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4849 | LCC = 0.6375 | SRCC = 0.6051 ] [SYS][ MSE = 0.0246 | LCC = 0.9744 | SRCC = 0.9515 ]
[Valid(teacher)][58][UTT][ GML = 0.264566 | AML = 0.474443 | MoV = 0.219804 | VoV = 0.002062 ] [SYS][ GML = 0.164241 | AML = 2.814391 | MoV = 0.002464 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3250885605812073
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.20 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4865 | LCC = 0.6379 | SRCC = 0.6047 ] [SYS][ MSE = 0.0256 | LCC = 0.9747 | SRCC = 0.9549 ]
[Valid(teacher)][59][UTT][ GML = 0.261854 | AML = 0.474840 | MoV = 0.219064 | VoV = 0.002140 ] [SYS][ GML = 0.118201 | AML = 2.897092 | MoV = 0.002461 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3341514468193054
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.73 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4858 | LCC = 0.6384 | SRCC = 0.6058 ] [SYS][ MSE = 0.0258 | LCC = 0.9756 | SRCC = 0.9569 ]
[Valid(teacher)][60][UTT][ GML = 0.261979 | AML = 0.475035 | MoV = 0.218788 | VoV = 0.002135 ] [SYS][ GML = 0.125301 | AML = 2.949069 | MoV = 0.002459 | 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, 192.62 step/s]

[Test(best)][61][UTT][ MSE = 0.5030 | LCC = 0.6601 | SRCC = 0.6248 ] [SYS][ MSE = 0.0570 | LCC = 0.9774 | SRCC = 0.9583 ]
[Test(best)][61][UTT][ GML = 0.301113 | AML = 0.451554 | MoV = 0.300543 | VoV = 0.003552 ] [SYS][ GML = 0.000010 | AML = 1.286476 | MoV = 0.002462 | VoV = 0.000003 ]
Test(last): 100% 4000/4000 [00:20<00:00, 197.62 step/s]

[Test(last)][61][UTT][ MSE = 0.4847 | LCC = 0.6449 | SRCC = 0.6159 ] [SYS][ MSE = 0.0273 | LCC = 0.9700 | SRCC = 0.9467 ]
[Test(last)][61][UTT][ GML = 0.265582 | AML = 0.477332 | MoV = 0.219952 | VoV = 0.002015 ] [SYS][ GML = 0.030442 | AML = 3.310220 | MoV = 0.001804 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node004 ProMOSNet]$
```