```
(lxygpu) [x_xlian@node007 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.25 --save_path "runs/c1-t25e-2/run5"
Loading all wav files.
100%|███████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:45<00:00, 116.06it/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 [01:43<00:00, 29.06it/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 [02:18<00:00, 28.86it/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=13484.7060546875
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.34 step/s]

[Valid(teacher)][0][UTT][ MSE = 3.2642 | LCC = 0.4801 | SRCC = 0.4610 ] [SYS][ MSE = 3.1529 | LCC = 0.7928 | SRCC = 0.8140 ]
[Valid(teacher)][0][UTT][ GML = 0.020096 | AML = 0.119642 | MoV = 0.497011 | VoV = 0.013123 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005850 | VoV = 0.000028 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.44616222381591797
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.74 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.2473 | LCC = 0.5669 | SRCC = 0.5313 ] [SYS][ MSE = 0.9006 | LCC = 0.8967 | SRCC = 0.8605 ]
[Valid(teacher)][1][UTT][ GML = 0.134119 | AML = 0.276309 | MoV = 0.473882 | VoV = 0.015190 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.005736 | VoV = 0.000031 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.3633946478366852
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.80 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.0765 | LCC = 0.5941 | SRCC = 0.5495 ] [SYS][ MSE = 0.6878 | LCC = 0.9337 | SRCC = 0.8660 ]
[Valid(teacher)][2][UTT][ GML = 0.148297 | AML = 0.302284 | MoV = 0.419864 | VoV = 0.008712 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004985 | VoV = 0.000020 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.3295893967151642
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.02 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.1619 | LCC = 0.6027 | SRCC = 0.5544 ] [SYS][ MSE = 0.7800 | LCC = 0.9489 | SRCC = 0.8817 ]
[Valid(teacher)][3][UTT][ GML = 0.130019 | AML = 0.290634 | MoV = 0.403246 | VoV = 0.007770 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004733 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.30733489990234375
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.27 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.1389 | LCC = 0.6066 | SRCC = 0.5568 ] [SYS][ MSE = 0.7571 | LCC = 0.9541 | SRCC = 0.8974 ]
[Valid(teacher)][4][UTT][ GML = 0.131437 | AML = 0.295482 | MoV = 0.391248 | VoV = 0.007291 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004558 | VoV = 0.000015 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.2871396839618683
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.17 step/s]

[Valid(teacher)][5][UTT][ MSE = 1.1484 | LCC = 0.6106 | SRCC = 0.5614 ] [SYS][ MSE = 0.7728 | LCC = 0.9558 | SRCC = 0.8940 ]
[Valid(teacher)][5][UTT][ GML = 0.133807 | AML = 0.293995 | MoV = 0.396116 | VoV = 0.007044 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004604 | VoV = 0.000015 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.2703455090522766
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.08 step/s]

[Valid(teacher)][6][UTT][ MSE = 1.1085 | LCC = 0.6133 | SRCC = 0.5650 ] [SYS][ MSE = 0.7299 | LCC = 0.9582 | SRCC = 0.8926 ]
[Valid(teacher)][6][UTT][ GML = 0.145566 | AML = 0.300948 | MoV = 0.402519 | VoV = 0.006791 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004669 | VoV = 0.000015 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.25652652978897095
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.57 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.0609 | LCC = 0.6147 | SRCC = 0.5683 ] [SYS][ MSE = 0.6806 | LCC = 0.9603 | SRCC = 0.8940 ]
[Valid(teacher)][7][UTT][ GML = 0.159852 | AML = 0.309582 | MoV = 0.407012 | VoV = 0.006359 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004712 | VoV = 0.000015 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.23999245464801788
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.75 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.0465 | LCC = 0.6160 | SRCC = 0.5703 ] [SYS][ MSE = 0.6587 | LCC = 0.9619 | SRCC = 0.8995 ]
[Valid(teacher)][8][UTT][ GML = 0.161697 | AML = 0.312977 | MoV = 0.402645 | VoV = 0.006228 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004659 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2249675691127777
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.02 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.3000 | LCC = 0.6148 | SRCC = 0.5699 ] [SYS][ MSE = 0.9314 | LCC = 0.9639 | SRCC = 0.9043 ]
[Valid(teacher)][9][UTT][ GML = 0.108387 | AML = 0.273089 | MoV = 0.384352 | VoV = 0.007085 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004517 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2082444578409195
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.04 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.4626 | LCC = 0.6135 | SRCC = 0.5707 ] [SYS][ MSE = 1.1032 | LCC = 0.9647 | SRCC = 0.9104 ]
[Valid(teacher)][10][UTT][ GML = 0.081970 | AML = 0.250297 | MoV = 0.370262 | VoV = 0.007458 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004398 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.19020019471645355
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.04 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.5275 | LCC = 0.6109 | SRCC = 0.5712 ] [SYS][ MSE = 1.1687 | LCC = 0.9644 | SRCC = 0.9159 ]
[Valid(teacher)][11][UTT][ GML = 0.072843 | AML = 0.242656 | MoV = 0.363683 | VoV = 0.007633 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004338 | VoV = 0.000015 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.1763957440853119
Valid(teacher): 100% 3000/3000 [00:47<00:00, 62.92 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.5319 | LCC = 0.6096 | SRCC = 0.5736 ] [SYS][ MSE = 1.1631 | LCC = 0.9631 | SRCC = 0.9179 ]
[Valid(teacher)][12][UTT][ GML = 0.069897 | AML = 0.242582 | MoV = 0.355612 | VoV = 0.007254 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004245 | VoV = 0.000015 ]
Train: 100% 845/845 [04:17<00:00,  3.28 step/s]
Average loss=0.16461829841136932
Valid(teacher): 100% 3000/3000 [00:28<00:00, 106.78 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.6115 | LCC = 0.6065 | SRCC = 0.5722 ] [SYS][ MSE = 1.2427 | LCC = 0.9632 | SRCC = 0.9227 ]
[Valid(teacher)][13][UTT][ GML = 0.058342 | AML = 0.232550 | MoV = 0.345934 | VoV = 0.007504 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004150 | VoV = 0.000015 ]
Train: 100% 845/845 [05:17<00:00,  2.66 step/s]
Average loss=0.1536444127559662
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.05 step/s]

[Valid(teacher)][14][UTT][ MSE = 1.6241 | LCC = 0.6074 | SRCC = 0.5747 ] [SYS][ MSE = 1.2535 | LCC = 0.9638 | SRCC = 0.9303 ]
[Valid(teacher)][14][UTT][ GML = 0.055076 | AML = 0.231082 | MoV = 0.338602 | VoV = 0.007267 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004064 | VoV = 0.000014 ]
Train: 100% 845/845 [03:30<00:00,  4.02 step/s]
Average loss=0.1377023607492447
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.83 step/s]

[Valid(teacher)][15][UTT][ MSE = 1.6872 | LCC = 0.6040 | SRCC = 0.5734 ] [SYS][ MSE = 1.3129 | LCC = 0.9625 | SRCC = 0.9309 ]
[Valid(teacher)][15][UTT][ GML = 0.046229 | AML = 0.223441 | MoV = 0.329547 | VoV = 0.007547 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003966 | VoV = 0.000014 ]
Train: 100% 845/845 [03:49<00:00,  3.68 step/s]
Average loss=0.12751278281211853
Valid(teacher): 100% 3000/3000 [00:17<00:00, 171.32 step/s]

[Valid(teacher)][16][UTT][ MSE = 1.8344 | LCC = 0.6019 | SRCC = 0.5722 ] [SYS][ MSE = 1.4654 | LCC = 0.9636 | SRCC = 0.9398 ]
[Valid(teacher)][16][UTT][ GML = 0.032110 | AML = 0.205600 | MoV = 0.314499 | VoV = 0.007778 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003826 | VoV = 0.000013 ]
Train: 100% 845/845 [04:27<00:00,  3.16 step/s]
Average loss=0.11299720406532288
Valid(teacher): 100% 3000/3000 [00:22<00:00, 134.37 step/s]

[Valid(teacher)][17][UTT][ MSE = 1.7759 | LCC = 0.6012 | SRCC = 0.5753 ] [SYS][ MSE = 1.3962 | LCC = 0.9629 | SRCC = 0.9439 ]
[Valid(teacher)][17][UTT][ GML = 0.034706 | AML = 0.213573 | MoV = 0.311959 | VoV = 0.007585 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003782 | VoV = 0.000013 ]
Train: 100% 845/845 [05:28<00:00,  2.57 step/s]
Average loss=0.10602688789367676
Valid(teacher): 100% 3000/3000 [00:20<00:00, 146.21 step/s]

[Valid(teacher)][18][UTT][ MSE = 1.7691 | LCC = 0.6009 | SRCC = 0.5788 ] [SYS][ MSE = 1.3820 | LCC = 0.9623 | SRCC = 0.9419 ]
[Valid(teacher)][18][UTT][ GML = 0.033848 | AML = 0.214553 | MoV = 0.308045 | VoV = 0.007469 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003725 | VoV = 0.000012 ]
Train: 100% 845/845 [04:54<00:00,  2.87 step/s]
Average loss=0.11295070499181747
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.13 step/s]

[Valid(teacher)][19][UTT][ MSE = 1.8564 | LCC = 0.5978 | SRCC = 0.5789 ] [SYS][ MSE = 1.4697 | LCC = 0.9614 | SRCC = 0.9535 ]
[Valid(teacher)][19][UTT][ GML = 0.024453 | AML = 0.204178 | MoV = 0.292217 | VoV = 0.007641 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003560 | VoV = 0.000012 ]
Train: 100% 845/845 [03:29<00:00,  4.04 step/s]
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Average loss=0.07844343781471252
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.54 step/s]

[Valid(teacher)][20][UTT][ MSE = 1.8170 | LCC = 0.5962 | SRCC = 0.5812 ] [SYS][ MSE = 1.4168 | LCC = 0.9618 | SRCC = 0.9542 ]
[Valid(teacher)][20][UTT][ GML = 0.025338 | AML = 0.209180 | MoV = 0.287618 | VoV = 0.007042 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003497 | VoV = 0.000011 ]
Train: 100% 845/845 [03:36<00:00,  3.91 step/s]
Average loss=0.06923320889472961
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.49 step/s]

[Valid(teacher)][21][UTT][ MSE = 1.6761 | LCC = 0.5980 | SRCC = 0.5830 ] [SYS][ MSE = 1.2542 | LCC = 0.9635 | SRCC = 0.9535 ]
[Valid(teacher)][21][UTT][ GML = 0.030574 | AML = 0.227622 | MoV = 0.284744 | VoV = 0.007203 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003444 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.05779931321740150
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.48 step/s]

[Valid(teacher)][22][UTT][ MSE = 1.6799 | LCC = 0.5977 | SRCC = 0.5817 ] [SYS][ MSE = 1.2521 | LCC = 0.9657 | SRCC = 0.9508 ]
[Valid(teacher)][22][UTT][ GML = 0.028503 | AML = 0.227222 | MoV = 0.280797 | VoV = 0.007174 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003395 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.04947809502482414
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.44 step/s]

[Valid(teacher)][23][UTT][ MSE = 1.7429 | LCC = 0.5963 | SRCC = 0.5824 ] [SYS][ MSE = 1.3137 | LCC = 0.9651 | SRCC = 0.9535 ]
[Valid(teacher)][23][UTT][ GML = 0.024329 | AML = 0.218767 | MoV = 0.276427 | VoV = 0.006803 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003347 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.03118567354977131
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.67 step/s]

[Valid(teacher)][24][UTT][ MSE = 1.6372 | LCC = 0.5961 | SRCC = 0.5806 ] [SYS][ MSE = 1.1946 | LCC = 0.9668 | SRCC = 0.9549 ]
[Valid(teacher)][24][UTT][ GML = 0.029123 | AML = 0.234002 | MoV = 0.275920 | VoV = 0.006623 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003324 | VoV = 0.000009 ]
Train: 100% 845/845 [07:07<00:00,  1.97 step/s]
Average loss=0.01814885251224041
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.95 step/s]

[Valid(teacher)][25][UTT][ MSE = 1.4219 | LCC = 0.6017 | SRCC = 0.5822 ] [SYS][ MSE = 0.9601 | LCC = 0.9687 | SRCC = 0.9556 ]
[Valid(teacher)][25][UTT][ GML = 0.043392 | AML = 0.266524 | MoV = 0.277305 | VoV = 0.006589 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003306 | VoV = 0.000009 ]
Train: 100% 845/845 [07:08<00:00,  1.97 step/s]
Average loss=0.013717317022383213
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.47 step/s]

[Valid(teacher)][26][UTT][ MSE = 1.5349 | LCC = 0.5962 | SRCC = 0.5786 ] [SYS][ MSE = 1.0786 | LCC = 0.9671 | SRCC = 0.9494 ]
[Valid(teacher)][26][UTT][ GML = 0.031607 | AML = 0.250096 | MoV = 0.270153 | VoV = 0.006730 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003246 | VoV = 0.000009 ]
Train: 100% 845/845 [06:08<00:00,  2.29 step/s]
Average loss=-4.49848230346106e-05
Valid(teacher): 100% 3000/3000 [00:32<00:00, 93.15 step/s]

[Valid(teacher)][27][UTT][ MSE = 1.4920 | LCC = 0.5989 | SRCC = 0.5821 ] [SYS][ MSE = 1.0350 | LCC = 0.9693 | SRCC = 0.9569 ]
[Valid(teacher)][27][UTT][ GML = 0.034338 | AML = 0.256016 | MoV = 0.267568 | VoV = 0.006324 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003205 | VoV = 0.000008 ]
Train: 100% 845/845 [05:59<00:00,  2.35 step/s]
Average loss=-0.01298136543482542
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.33 step/s]

[Valid(teacher)][28][UTT][ MSE = 1.3927 | LCC = 0.6020 | SRCC = 0.5842 ] [SYS][ MSE = 0.9260 | LCC = 0.9724 | SRCC = 0.9542 ]
[Valid(teacher)][28][UTT][ GML = 0.039615 | AML = 0.272475 | MoV = 0.263435 | VoV = 0.006194 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003146 | VoV = 0.000008 ]
Train: 100% 845/845 [03:40<00:00,  3.84 step/s]
Average loss=-0.02280348911881447
Valid(teacher): 100% 3000/3000 [00:31<00:00, 94.97 step/s]

[Valid(teacher)][29][UTT][ MSE = 1.2653 | LCC = 0.6077 | SRCC = 0.5872 ] [SYS][ MSE = 0.7900 | LCC = 0.9752 | SRCC = 0.9583 ]
[Valid(teacher)][29][UTT][ GML = 0.050337 | AML = 0.294149 | MoV = 0.263610 | VoV = 0.006223 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003125 | VoV = 0.000007 ]
Train: 100% 845/845 [05:56<00:00,  2.37 step/s]
Average loss=-0.03695186972618103
Valid(teacher): 100% 3000/3000 [00:31<00:00, 94.11 step/s]

[Valid(teacher)][30][UTT][ MSE = 1.3042 | LCC = 0.6058 | SRCC = 0.5858 ] [SYS][ MSE = 0.8220 | LCC = 0.9757 | SRCC = 0.9562 ]
[Valid(teacher)][30][UTT][ GML = 0.039505 | AML = 0.288477 | MoV = 0.254351 | VoV = 0.006700 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003033 | VoV = 0.000007 ]
Train: 100% 845/845 [04:42<00:00,  2.99 step/s]
Average loss=-0.046137433499097824
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.39 step/s]

[Valid(teacher)][31][UTT][ MSE = 1.2227 | LCC = 0.6088 | SRCC = 0.5865 ] [SYS][ MSE = 0.7360 | LCC = 0.9769 | SRCC = 0.9508 ]
[Valid(teacher)][31][UTT][ GML = 0.050336 | AML = 0.302054 | MoV = 0.257971 | VoV = 0.006323 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003049 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.05541672930121422
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.26 step/s]

[Valid(teacher)][32][UTT][ MSE = 1.1208 | LCC = 0.6127 | SRCC = 0.5885 ] [SYS][ MSE = 0.6301 | LCC = 0.9784 | SRCC = 0.9474 ]
[Valid(teacher)][32][UTT][ GML = 0.063674 | AML = 0.320817 | MoV = 0.258351 | VoV = 0.006036 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003036 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.07019435614347458
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.71 step/s]

[Valid(teacher)][33][UTT][ MSE = 1.0598 | LCC = 0.6148 | SRCC = 0.5896 ] [SYS][ MSE = 0.5668 | LCC = 0.9796 | SRCC = 0.9508 ]
[Valid(teacher)][33][UTT][ GML = 0.073332 | AML = 0.332349 | MoV = 0.256621 | VoV = 0.005573 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002999 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.07168105244636536
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.80 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.9968 | LCC = 0.6184 | SRCC = 0.5912 ] [SYS][ MSE = 0.5096 | LCC = 0.9801 | SRCC = 0.9569 ]
[Valid(teacher)][34][UTT][ GML = 0.086088 | AML = 0.343687 | MoV = 0.258213 | VoV = 0.005309 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003007 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.08740340173244476
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.00 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.8920 | LCC = 0.6229 | SRCC = 0.5943 ] [SYS][ MSE = 0.4044 | LCC = 0.9821 | SRCC = 0.9597 ]
[Valid(teacher)][35][UTT][ GML = 0.111763 | AML = 0.363719 | MoV = 0.260097 | VoV = 0.004952 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002998 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.09537500143051147
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.68 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.8225 | LCC = 0.6268 | SRCC = 0.5970 ] [SYS][ MSE = 0.3337 | LCC = 0.9840 | SRCC = 0.9610 ]
[Valid(teacher)][36][UTT][ GML = 0.129622 | AML = 0.378291 | MoV = 0.257981 | VoV = 0.004743 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002960 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.10537692904472351
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.73 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.8578 | LCC = 0.6243 | SRCC = 0.5945 ] [SYS][ MSE = 0.3719 | LCC = 0.9836 | SRCC = 0.9617 ]
[Valid(teacher)][37][UTT][ GML = 0.117839 | AML = 0.371763 | MoV = 0.253899 | VoV = 0.004561 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002929 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.11029201745986938
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.03 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.7802 | LCC = 0.6282 | SRCC = 0.5962 ] [SYS][ MSE = 0.2938 | LCC = 0.9841 | SRCC = 0.9528 ]
[Valid(teacher)][38][UTT][ GML = 0.140093 | AML = 0.387498 | MoV = 0.253129 | VoV = 0.004293 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002899 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.12312580645084381
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.18 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.7498 | LCC = 0.6305 | SRCC = 0.5992 ] [SYS][ MSE = 0.2692 | LCC = 0.9840 | SRCC = 0.9528 ]
[Valid(teacher)][39][UTT][ GML = 0.151177 | AML = 0.394295 | MoV = 0.251227 | VoV = 0.004007 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002871 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.13209371268749237
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.84 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.7193 | LCC = 0.6319 | SRCC = 0.5997 ] [SYS][ MSE = 0.2384 | LCC = 0.9847 | SRCC = 0.9590 ]
[Valid(teacher)][40][UTT][ GML = 0.160762 | AML = 0.401274 | MoV = 0.248648 | VoV = 0.003865 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.002828 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.14276309311389923
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.39 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.6474 | LCC = 0.6338 | SRCC = 0.6015 ] [SYS][ MSE = 0.1661 | LCC = 0.9846 | SRCC = 0.9521 ]
[Valid(teacher)][41][UTT][ GML = 0.190290 | AML = 0.417922 | MoV = 0.247003 | VoV = 0.003567 ] [SYS][ GML = 0.000000 | AML = 0.001621 | MoV = 0.002787 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1420904099412537
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.35 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.6952 | LCC = 0.6311 | SRCC = 0.5996 ] [SYS][ MSE = 0.2123 | LCC = 0.9841 | SRCC = 0.9432 ]
[Valid(teacher)][42][UTT][ GML = 0.168377 | AML = 0.407216 | MoV = 0.244232 | VoV = 0.003630 ] [SYS][ GML = 0.000000 | AML = 0.000012 | MoV = 0.002766 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.1555501226104736
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.70 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.6093 | LCC = 0.6352 | SRCC = 0.6022 ] [SYS][ MSE = 0.1295 | LCC = 0.9837 | SRCC = 0.9460 ]
[Valid(teacher)][43][UTT][ GML = 0.207545 | AML = 0.428640 | MoV = 0.244679 | VoV = 0.003354 ] [SYS][ GML = 0.000000 | AML = 0.020557 | MoV = 0.002745 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.16545946896076202
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.07 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5753 | LCC = 0.6369 | SRCC = 0.6035 ] [SYS][ MSE = 0.0975 | LCC = 0.9839 | SRCC = 0.9474 ]
[Valid(teacher)][44][UTT][ GML = 0.224659 | AML = 0.437470 | MoV = 0.243978 | VoV = 0.003222 ] [SYS][ GML = 0.000000 | AML = 0.111389 | MoV = 0.002726 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.17402245104312897
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.31 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5677 | LCC = 0.6362 | SRCC = 0.6028 ] [SYS][ MSE = 0.0895 | LCC = 0.9833 | SRCC = 0.9453 ]
[Valid(teacher)][45][UTT][ GML = 0.226269 | AML = 0.440364 | MoV = 0.240629 | VoV = 0.003127 ] [SYS][ GML = 0.000000 | AML = 0.165259 | MoV = 0.002689 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.18161651492118835
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.05 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5809 | LCC = 0.6361 | SRCC = 0.6033 ] [SYS][ MSE = 0.1033 | LCC = 0.9842 | SRCC = 0.9453 ]
[Valid(teacher)][46][UTT][ GML = 0.217876 | AML = 0.437068 | MoV = 0.237676 | VoV = 0.003067 ] [SYS][ GML = 0.000000 | AML = 0.063520 | MoV = 0.002663 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1911810040473938
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.39 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5455 | LCC = 0.6368 | SRCC = 0.6027 ] [SYS][ MSE = 0.0686 | LCC = 0.9831 | SRCC = 0.9432 ]
[Valid(teacher)][47][UTT][ GML = 0.238599 | AML = 0.446065 | MoV = 0.238108 | VoV = 0.002980 ] [SYS][ GML = 0.000001 | AML = 0.466202 | MoV = 0.002649 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.18708932399749756
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.52 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5441 | LCC = 0.6373 | SRCC = 0.6032 ] [SYS][ MSE = 0.0676 | LCC = 0.9831 | SRCC = 0.9467 ]
[Valid(teacher)][48][UTT][ GML = 0.237589 | AML = 0.447785 | MoV = 0.235818 | VoV = 0.002894 ] [SYS][ GML = 0.000001 | AML = 0.512428 | MoV = 0.002624 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.20658519864082336
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.22 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5400 | LCC = 0.6374 | SRCC = 0.6031 ] [SYS][ MSE = 0.0597 | LCC = 0.9837 | SRCC = 0.9487 ]
[Valid(teacher)][49][UTT][ GML = 0.236332 | AML = 0.450387 | MoV = 0.231823 | VoV = 0.002903 ] [SYS][ GML = 0.000006 | AML = 0.828400 | MoV = 0.002575 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.20986559987068176
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.70 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5776 | LCC = 0.6357 | SRCC = 0.6016 ] [SYS][ MSE = 0.0945 | LCC = 0.9849 | SRCC = 0.9480 ]
[Valid(teacher)][50][UTT][ GML = 0.212107 | AML = 0.441047 | MoV = 0.229025 | VoV = 0.002930 ] [SYS][ GML = 0.000000 | AML = 0.063732 | MoV = 0.002557 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.21544504165649414
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.47 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5374 | LCC = 0.6356 | SRCC = 0.6017 ] [SYS][ MSE = 0.0544 | LCC = 0.9834 | SRCC = 0.9474 ]
[Valid(teacher)][51][UTT][ GML = 0.235903 | AML = 0.451951 | MoV = 0.229014 | VoV = 0.002851 ] [SYS][ GML = 0.000018 | AML = 1.091910 | MoV = 0.002540 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.22799436748027802
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.07 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5293 | LCC = 0.6351 | SRCC = 0.6013 ] [SYS][ MSE = 0.0468 | LCC = 0.9827 | SRCC = 0.9487 ]
[Valid(teacher)][52][UTT][ GML = 0.240215 | AML = 0.455071 | MoV = 0.226789 | VoV = 0.002650 ] [SYS][ GML = 0.000122 | AML = 1.618403 | MoV = 0.002516 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.23386861383914948
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.99 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5391 | LCC = 0.6349 | SRCC = 0.6012 ] [SYS][ MSE = 0.0569 | LCC = 0.9831 | SRCC = 0.9487 ]
[Valid(teacher)][53][UTT][ GML = 0.232013 | AML = 0.452904 | MoV = 0.224069 | VoV = 0.002599 ] [SYS][ GML = 0.000008 | AML = 1.002537 | MoV = 0.002491 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.23025256395339966
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.12 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5150 | LCC = 0.6337 | SRCC = 0.6005 ] [SYS][ MSE = 0.0345 | LCC = 0.9811 | SRCC = 0.9432 ]
[Valid(teacher)][54][UTT][ GML = 0.247341 | AML = 0.460659 | MoV = 0.221943 | VoV = 0.002457 ] [SYS][ GML = 0.003358 | AML = 2.546171 | MoV = 0.002452 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.2493753582239151
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.36 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5117 | LCC = 0.6338 | SRCC = 0.6012 ] [SYS][ MSE = 0.0336 | LCC = 0.9814 | SRCC = 0.9460 ]
[Valid(teacher)][55][UTT][ GML = 0.247813 | AML = 0.462152 | MoV = 0.219520 | VoV = 0.002379 ] [SYS][ GML = 0.004677 | AML = 2.615879 | MoV = 0.002431 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.25600311140319824
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.10 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5153 | LCC = 0.6343 | SRCC = 0.6013 ] [SYS][ MSE = 0.0363 | LCC = 0.9814 | SRCC = 0.9460 ]
[Valid(teacher)][56][UTT][ GML = 0.243740 | AML = 0.461602 | MoV = 0.217409 | VoV = 0.002311 ] [SYS][ GML = 0.001806 | AML = 2.368758 | MoV = 0.002409 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.21380658447742462
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.42 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5073 | LCC = 0.6345 | SRCC = 0.6016 ] [SYS][ MSE = 0.0312 | LCC = 0.9809 | SRCC = 0.9439 ]
[Valid(teacher)][57][UTT][ GML = 0.246224 | AML = 0.465285 | MoV = 0.214180 | VoV = 0.002229 ] [SYS][ GML = 0.007551 | AML = 2.917899 | MoV = 0.002375 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2555223405361755
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.04 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4979 | LCC = 0.6349 | SRCC = 0.6013 ] [SYS][ MSE = 0.0223 | LCC = 0.9809 | SRCC = 0.9480 ]
[Valid(teacher)][58][UTT][ GML = 0.250996 | AML = 0.469435 | MoV = 0.211599 | VoV = 0.002187 ] [SYS][ GML = 0.068064 | AML = 3.233382 | MoV = 0.002343 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.27310672402381897
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.20 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5011 | LCC = 0.6338 | SRCC = 0.5997 ] [SYS][ MSE = 0.0231 | LCC = 0.9818 | SRCC = 0.9501 ]
[Valid(teacher)][59][UTT][ GML = 0.245659 | AML = 0.468671 | MoV = 0.208805 | VoV = 0.002137 ] [SYS][ GML = 0.048701 | AML = 3.408813 | MoV = 0.002314 | VoV = 0.000002 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.280237078666687
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.33 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5037 | LCC = 0.6319 | SRCC = 0.5972 ] [SYS][ MSE = 0.0259 | LCC = 0.9818 | SRCC = 0.9467 ]
[Valid(teacher)][60][UTT][ GML = 0.242093 | AML = 0.468077 | MoV = 0.207437 | VoV = 0.002188 ] [SYS][ GML = 0.026532 | AML = 3.469264 | MoV = 0.002300 | 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, 194.87 step/s]

[Test(best)][61][UTT][ MSE = 0.5136 | LCC = 0.6557 | SRCC = 0.6225 ] [SYS][ MSE = 0.0491 | LCC = 0.9830 | SRCC = 0.9569 ]
[Test(best)][61][UTT][ GML = 0.253603 | AML = 0.466684 | MoV = 0.233297 | VoV = 0.002896 ] [SYS][ GML = 0.000002 | AML = 1.027752 | MoV = 0.001904 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:20<00:00, 197.24 step/s]

[Test(last)][61][UTT][ MSE = 0.4855 | LCC = 0.6492 | SRCC = 0.6172 ] [SYS][ MSE = 0.0231 | LCC = 0.9795 | SRCC = 0.9603 ]
[Test(last)][61][UTT][ GML = 0.256163 | AML = 0.486086 | MoV = 0.208823 | VoV = 0.002165 ] [SYS][ GML = 0.020141 | AML = 3.290853 | MoV = 0.001698 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node007 ProMOSNet]$
```