```
(lxygpu) [x_xlian@node053 ProMOSNet]$ python train.py --lamb_c=0 --lamb_t=1 --save_path "runs/c0-t1/run1"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [09:14<00:00, 97.54it/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 [02:01<00:00, 24.70it/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]
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 4000/4000 [02:43<00:00, 24.42it/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 [03:38<00:00,  3.86 step/s]
Average loss=207554.03125
Valid(teacher): 100% 3000/3000 [00:20<00:00, 144.03 step/s]

[Valid(teacher)][0][UTT][ MSE = 2.2385 | LCC = 0.3860 | SRCC = 0.3806 ] [SYS][ MSE = 2.1047 | LCC = 0.6567 | SRCC = 0.7258 ]
[Valid(teacher)][0][UTT][ GML = 0.055424 | AML = 0.196913 | MoV = 0.478388 | VoV = 0.003683 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005425 | VoV = 0.000017 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.5345070362091064
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.44 step/s]

[Valid(teacher)][1][UTT][ MSE = 0.5604 | LCC = 0.5543 | SRCC = 0.5258 ] [SYS][ MSE = 0.0808 | LCC = 0.9023 | SRCC = 0.8838 ]
[Valid(teacher)][1][UTT][ GML = 0.323096 | AML = 0.367859 | MoV = 0.606517 | VoV = 0.004714 ] [SYS][ GML = 0.020292 | AML = 1.864382 | MoV = 0.007028 | VoV = 0.000032 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.3987337648868561
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.54 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.5181 | LCC = 0.5969 | SRCC = 0.5579 ] [SYS][ MSE = 0.0522 | LCC = 0.9383 | SRCC = 0.8715 ]
[Valid(teacher)][2][UTT][ GML = 0.336268 | AML = 0.385518 | MoV = 0.546701 | VoV = 0.002643 ] [SYS][ GML = 0.045709 | AML = 2.161173 | MoV = 0.006225 | VoV = 0.000021 ]
Train: 100% 845/845 [03:33<00:00,  3.98 step/s]
Average loss=0.3419455587863922
Valid(teacher): 100% 3000/3000 [00:20<00:00, 145.24 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.5230 | LCC = 0.6071 | SRCC = 0.5671 ] [SYS][ MSE = 0.0514 | LCC = 0.9493 | SRCC = 0.8844 ]
[Valid(teacher)][3][UTT][ GML = 0.334925 | AML = 0.388253 | MoV = 0.531561 | VoV = 0.002936 ] [SYS][ GML = 0.019444 | AML = 2.121661 | MoV = 0.006000 | VoV = 0.000018 ]
Train: 100% 845/845 [03:32<00:00,  3.98 step/s]
Average loss=0.2982293367385864
Valid(teacher): 100% 3000/3000 [00:20<00:00, 144.46 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.5241 | LCC = 0.6093 | SRCC = 0.5664 ] [SYS][ MSE = 0.0477 | LCC = 0.9550 | SRCC = 0.8797 ]
[Valid(teacher)][4][UTT][ GML = 0.334369 | AML = 0.393361 | MoV = 0.507883 | VoV = 0.002249 ] [SYS][ GML = 0.019074 | AML = 1.892139 | MoV = 0.005686 | VoV = 0.000015 ]
Train: 100% 845/845 [03:33<00:00,  3.97 step/s]
Average loss=0.2720833420753479
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.72 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.5367 | LCC = 0.6147 | SRCC = 0.5717 ] [SYS][ MSE = 0.0595 | LCC = 0.9548 | SRCC = 0.8742 ]
[Valid(teacher)][5][UTT][ GML = 0.330313 | AML = 0.392875 | MoV = 0.501210 | VoV = 0.002304 ] [SYS][ GML = 0.002655 | AML = 1.725950 | MoV = 0.005569 | VoV = 0.000013 ]
Train: 100% 845/845 [03:32<00:00,  3.98 step/s]
Average loss=0.2460537701845169
Valid(teacher): 100% 3000/3000 [00:18<00:00, 158.89 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.5334 | LCC = 0.6187 | SRCC = 0.5760 ] [SYS][ MSE = 0.0565 | LCC = 0.9565 | SRCC = 0.8762 ]
[Valid(teacher)][6][UTT][ GML = 0.331056 | AML = 0.395942 | MoV = 0.490071 | VoV = 0.002355 ] [SYS][ GML = 0.003000 | AML = 1.823406 | MoV = 0.005427 | VoV = 0.000012 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.220198392868042
Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.69 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.5669 | LCC = 0.6218 | SRCC = 0.5811 ] [SYS][ MSE = 0.0840 | LCC = 0.9569 | SRCC = 0.8838 ]
[Valid(teacher)][7][UTT][ GML = 0.319221 | AML = 0.392629 | MoV = 0.476151 | VoV = 0.002333 ] [SYS][ GML = 0.000056 | AML = 0.858201 | MoV = 0.005231 | VoV = 0.000010 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=0.19592542946338654
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.16 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.5674 | LCC = 0.6259 | SRCC = 0.5863 ] [SYS][ MSE = 0.0831 | LCC = 0.9599 | SRCC = 0.9002 ]
[Valid(teacher)][8][UTT][ GML = 0.318060 | AML = 0.395121 | MoV = 0.465017 | VoV = 0.002529 ] [SYS][ GML = 0.000047 | AML = 0.740399 | MoV = 0.005101 | VoV = 0.000009 ]
Train: 100% 845/845 [03:32<00:00,  3.97 step/s]
Average loss=0.16956233978271484
Valid(teacher): 100% 3000/3000 [00:20<00:00, 148.90 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.5650 | LCC = 0.6284 | SRCC = 0.5892 ] [SYS][ MSE = 0.0808 | LCC = 0.9628 | SRCC = 0.9084 ]
[Valid(teacher)][9][UTT][ GML = 0.317694 | AML = 0.398099 | MoV = 0.452994 | VoV = 0.002549 ] [SYS][ GML = 0.000054 | AML = 0.674417 | MoV = 0.004958 | VoV = 0.000009 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=0.1410868912935257
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.24 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.5504 | LCC = 0.6337 | SRCC = 0.5929 ] [SYS][ MSE = 0.0704 | LCC = 0.9662 | SRCC = 0.9091 ]
[Valid(teacher)][10][UTT][ GML = 0.322134 | AML = 0.402857 | MoV = 0.443213 | VoV = 0.002652 ] [SYS][ GML = 0.000190 | AML = 0.850101 | MoV = 0.004855 | VoV = 0.000008 ]
Train: 100% 845/845 [03:33<00:00,  3.97 step/s]
Average loss=0.11813540756702423
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.84 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.5381 | LCC = 0.6351 | SRCC = 0.5933 ] [SYS][ MSE = 0.0587 | LCC = 0.9678 | SRCC = 0.9097 ]
[Valid(teacher)][11][UTT][ GML = 0.325690 | AML = 0.407567 | MoV = 0.432606 | VoV = 0.002907 ] [SYS][ GML = 0.000947 | AML = 1.338437 | MoV = 0.004739 | VoV = 0.000008 ]
Train: 100% 845/845 [03:32<00:00,  3.97 step/s]
Average loss=0.09819754958152771
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.95 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.5297 | LCC = 0.6358 | SRCC = 0.5946 ] [SYS][ MSE = 0.0501 | LCC = 0.9703 | SRCC = 0.9097 ]
[Valid(teacher)][12][UTT][ GML = 0.327504 | AML = 0.411435 | MoV = 0.421205 | VoV = 0.002987 ] [SYS][ GML = 0.003224 | AML = 1.614003 | MoV = 0.004623 | VoV = 0.000008 ]
Train: 100% 845/845 [03:31<00:00,  3.99 step/s]
Average loss=0.07419489324092865
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.75 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.5301 | LCC = 0.6363 | SRCC = 0.5959 ] [SYS][ MSE = 0.0497 | LCC = 0.9708 | SRCC = 0.9193 ]
[Valid(teacher)][13][UTT][ GML = 0.326348 | AML = 0.413139 | MoV = 0.412333 | VoV = 0.002925 ] [SYS][ GML = 0.003219 | AML = 1.563884 | MoV = 0.004529 | VoV = 0.000007 ]
Train: 100% 845/845 [03:32<00:00,  3.99 step/s]
Average loss=0.054025083780288696
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.14 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.4998 | LCC = 0.6378 | SRCC = 0.5953 ] [SYS][ MSE = 0.0238 | LCC = 0.9761 | SRCC = 0.9330 ]
[Valid(teacher)][14][UTT][ GML = 0.336755 | AML = 0.422356 | MoV = 0.401794 | VoV = 0.003202 ] [SYS][ GML = 0.186131 | AML = 2.644181 | MoV = 0.004435 | VoV = 0.000007 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.03472015261650084
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.46 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.4977 | LCC = 0.6375 | SRCC = 0.5952 ] [SYS][ MSE = 0.0192 | LCC = 0.9778 | SRCC = 0.9337 ]
[Valid(teacher)][15][UTT][ GML = 0.335904 | AML = 0.425091 | MoV = 0.393174 | VoV = 0.003337 ] [SYS][ GML = 0.355494 | AML = 2.579275 | MoV = 0.004354 | VoV = 0.000007 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=0.015545904636383057
Valid(teacher): 100% 3000/3000 [00:20<00:00, 145.87 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.5156 | LCC = 0.6356 | SRCC = 0.5951 ] [SYS][ MSE = 0.0288 | LCC = 0.9760 | SRCC = 0.9289 ]
[Valid(teacher)][16][UTT][ GML = 0.327447 | AML = 0.422803 | MoV = 0.385837 | VoV = 0.003329 ] [SYS][ GML = 0.062223 | AML = 2.428204 | MoV = 0.004258 | VoV = 0.000007 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.009349668398499489
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.49 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.5059 | LCC = 0.6364 | SRCC = 0.5952 ] [SYS][ MSE = 0.0205 | LCC = 0.9784 | SRCC = 0.9316 ]
[Valid(teacher)][17][UTT][ GML = 0.329681 | AML = 0.426771 | MoV = 0.378967 | VoV = 0.003685 ] [SYS][ GML = 0.246079 | AML = 2.543728 | MoV = 0.004185 | VoV = 0.000007 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.024662839248776436
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.73 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.5013 | LCC = 0.6385 | SRCC = 0.5976 ] [SYS][ MSE = 0.0188 | LCC = 0.9791 | SRCC = 0.9268 ]
[Valid(teacher)][18][UTT][ GML = 0.331106 | AML = 0.427809 | MoV = 0.376282 | VoV = 0.003686 ] [SYS][ GML = 0.333014 | AML = 2.488276 | MoV = 0.004153 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.03919075429439545
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.79 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.5059 | LCC = 0.6370 | SRCC = 0.5981 ] [SYS][ MSE = 0.0214 | LCC = 0.9773 | SRCC = 0.9241 ]
[Valid(teacher)][19][UTT][ GML = 0.327353 | AML = 0.428679 | MoV = 0.368751 | VoV = 0.003534 ] [SYS][ GML = 0.219931 | AML = 2.417441 | MoV = 0.004087 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
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Average loss=-0.06398081034421921
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.57 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.5011 | LCC = 0.6395 | SRCC = 0.6008 ] [SYS][ MSE = 0.0176 | LCC = 0.9794 | SRCC = 0.9262 ]
[Valid(teacher)][20][UTT][ GML = 0.327011 | AML = 0.431868 | MoV = 0.361523 | VoV = 0.003697 ] [SYS][ GML = 0.364317 | AML = 2.525830 | MoV = 0.004016 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.0782826021313667
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.36 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.5019 | LCC = 0.6376 | SRCC = 0.5990 ] [SYS][ MSE = 0.0157 | LCC = 0.9802 | SRCC = 0.9323 ]
[Valid(teacher)][21][UTT][ GML = 0.324054 | AML = 0.433138 | MoV = 0.356166 | VoV = 0.003996 ] [SYS][ GML = 0.513286 | AML = 2.594983 | MoV = 0.003956 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.09934541583061218
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.03 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.5049 | LCC = 0.6372 | SRCC = 0.5988 ] [SYS][ MSE = 0.0160 | LCC = 0.9799 | SRCC = 0.9439 ]
[Valid(teacher)][22][UTT][ GML = 0.321113 | AML = 0.433869 | MoV = 0.350439 | VoV = 0.004045 ] [SYS][ GML = 0.469949 | AML = 2.609565 | MoV = 0.003895 | VoV = 0.000006 ]
Train: 100% 845/845 [03:32<00:00,  3.98 step/s]
Average loss=-0.11767411977052689
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.90 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.5020 | LCC = 0.6379 | SRCC = 0.5998 ] [SYS][ MSE = 0.0161 | LCC = 0.9814 | SRCC = 0.9446 ]
[Valid(teacher)][23][UTT][ GML = 0.319432 | AML = 0.436349 | MoV = 0.346063 | VoV = 0.004161 ] [SYS][ GML = 0.465817 | AML = 2.688356 | MoV = 0.003863 | VoV = 0.000006 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.13796335458755493
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.03 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.5054 | LCC = 0.6372 | SRCC = 0.5993 ] [SYS][ MSE = 0.0173 | LCC = 0.9817 | SRCC = 0.9439 ]
[Valid(teacher)][24][UTT][ GML = 0.315253 | AML = 0.437569 | MoV = 0.338543 | VoV = 0.004182 ] [SYS][ GML = 0.362390 | AML = 2.735752 | MoV = 0.003793 | VoV = 0.000006 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.1557738482952118
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.04 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.5034 | LCC = 0.6379 | SRCC = 0.5998 ] [SYS][ MSE = 0.0170 | LCC = 0.9805 | SRCC = 0.9439 ]
[Valid(teacher)][25][UTT][ GML = 0.314679 | AML = 0.439163 | MoV = 0.334264 | VoV = 0.004213 ] [SYS][ GML = 0.364960 | AML = 2.732806 | MoV = 0.003743 | VoV = 0.000006 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.17463365197181702
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.91 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.5071 | LCC = 0.6367 | SRCC = 0.5993 ] [SYS][ MSE = 0.0159 | LCC = 0.9805 | SRCC = 0.9412 ]
[Valid(teacher)][26][UTT][ GML = 0.311127 | AML = 0.439890 | MoV = 0.327172 | VoV = 0.004093 ] [SYS][ GML = 0.409477 | AML = 2.762661 | MoV = 0.003662 | VoV = 0.000006 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.19546617567539215
Valid(teacher): 100% 3000/3000 [00:20<00:00, 147.86 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.5099 | LCC = 0.6353 | SRCC = 0.5980 ] [SYS][ MSE = 0.0156 | LCC = 0.9802 | SRCC = 0.9405 ]
[Valid(teacher)][27][UTT][ GML = 0.308874 | AML = 0.440306 | MoV = 0.322870 | VoV = 0.004100 ] [SYS][ GML = 0.413067 | AML = 2.729643 | MoV = 0.003592 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.21418793499469757
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.61 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5147 | LCC = 0.6337 | SRCC = 0.5959 ] [SYS][ MSE = 0.0174 | LCC = 0.9792 | SRCC = 0.9350 ]
[Valid(teacher)][28][UTT][ GML = 0.306224 | AML = 0.439141 | MoV = 0.319286 | VoV = 0.003961 ] [SYS][ GML = 0.293437 | AML = 2.448174 | MoV = 0.003547 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.2213558405637741
Valid(teacher): 100% 3000/3000 [00:20<00:00, 148.13 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5127 | LCC = 0.6330 | SRCC = 0.5955 ] [SYS][ MSE = 0.0175 | LCC = 0.9799 | SRCC = 0.9344 ]
[Valid(teacher)][29][UTT][ GML = 0.302985 | AML = 0.441442 | MoV = 0.314855 | VoV = 0.004097 ] [SYS][ GML = 0.293161 | AML = 2.769440 | MoV = 0.003528 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.23565083742141724
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.19 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5091 | LCC = 0.6336 | SRCC = 0.5963 ] [SYS][ MSE = 0.0160 | LCC = 0.9797 | SRCC = 0.9419 ]
[Valid(teacher)][30][UTT][ GML = 0.305904 | AML = 0.441792 | MoV = 0.313116 | VoV = 0.003849 ] [SYS][ GML = 0.431214 | AML = 2.562318 | MoV = 0.003498 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.2566315829753876
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.55 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5104 | LCC = 0.6340 | SRCC = 0.5974 ] [SYS][ MSE = 0.0166 | LCC = 0.9791 | SRCC = 0.9405 ]
[Valid(teacher)][31][UTT][ GML = 0.303515 | AML = 0.442463 | MoV = 0.307182 | VoV = 0.003611 ] [SYS][ GML = 0.401277 | AML = 2.446605 | MoV = 0.003435 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.2652198076248169
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.81 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5102 | LCC = 0.6332 | SRCC = 0.5974 ] [SYS][ MSE = 0.0172 | LCC = 0.9790 | SRCC = 0.9426 ]
[Valid(teacher)][32][UTT][ GML = 0.302205 | AML = 0.443318 | MoV = 0.304592 | VoV = 0.003568 ] [SYS][ GML = 0.410009 | AML = 2.211972 | MoV = 0.003406 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.285649836063385
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.11 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5135 | LCC = 0.6324 | SRCC = 0.5971 ] [SYS][ MSE = 0.0166 | LCC = 0.9794 | SRCC = 0.9474 ]
[Valid(teacher)][33][UTT][ GML = 0.297959 | AML = 0.444128 | MoV = 0.301095 | VoV = 0.003636 ] [SYS][ GML = 0.411991 | AML = 2.380416 | MoV = 0.003378 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.3022480309009552
Valid(teacher): 100% 3000/3000 [00:20<00:00, 143.56 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5077 | LCC = 0.6336 | SRCC = 0.5980 ] [SYS][ MSE = 0.0173 | LCC = 0.9790 | SRCC = 0.9432 ]
[Valid(teacher)][34][UTT][ GML = 0.297477 | AML = 0.447455 | MoV = 0.295778 | VoV = 0.003674 ] [SYS][ GML = 0.384175 | AML = 2.734907 | MoV = 0.003339 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.3174450099468231
Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.45 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5109 | LCC = 0.6316 | SRCC = 0.5960 ] [SYS][ MSE = 0.0183 | LCC = 0.9772 | SRCC = 0.9309 ]
[Valid(teacher)][35][UTT][ GML = 0.294693 | AML = 0.447437 | MoV = 0.292937 | VoV = 0.003585 ] [SYS][ GML = 0.305872 | AML = 2.433113 | MoV = 0.003302 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.3307082951068878
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.17 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5137 | LCC = 0.6307 | SRCC = 0.5957 ] [SYS][ MSE = 0.0193 | LCC = 0.9772 | SRCC = 0.9330 ]
[Valid(teacher)][36][UTT][ GML = 0.290563 | AML = 0.447464 | MoV = 0.288927 | VoV = 0.003534 ] [SYS][ GML = 0.247185 | AML = 2.714760 | MoV = 0.003266 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.34874629974365234
Valid(teacher): 100% 3000/3000 [00:20<00:00, 148.58 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5123 | LCC = 0.6310 | SRCC = 0.5959 ] [SYS][ MSE = 0.0190 | LCC = 0.9784 | SRCC = 0.9282 ]
[Valid(teacher)][37][UTT][ GML = 0.288834 | AML = 0.448857 | MoV = 0.285618 | VoV = 0.003528 ] [SYS][ GML = 0.252395 | AML = 2.701099 | MoV = 0.003233 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.363988995552063
Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.68 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5149 | LCC = 0.6313 | SRCC = 0.5970 ] [SYS][ MSE = 0.0187 | LCC = 0.9767 | SRCC = 0.9350 ]
[Valid(teacher)][38][UTT][ GML = 0.287428 | AML = 0.448372 | MoV = 0.282523 | VoV = 0.003429 ] [SYS][ GML = 0.270174 | AML = 1.892032 | MoV = 0.003196 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.37771499156951904
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.04 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5124 | LCC = 0.6309 | SRCC = 0.5961 ] [SYS][ MSE = 0.0190 | LCC = 0.9769 | SRCC = 0.9391 ]
[Valid(teacher)][39][UTT][ GML = 0.284776 | AML = 0.449974 | MoV = 0.278581 | VoV = 0.003405 ] [SYS][ GML = 0.266220 | AML = 2.202195 | MoV = 0.003162 | VoV = 0.000005 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.3916409015655176
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.50 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5088 | LCC = 0.6314 | SRCC = 0.5963 ] [SYS][ MSE = 0.0194 | LCC = 0.9765 | SRCC = 0.9419 ]
[Valid(teacher)][40][UTT][ GML = 0.284285 | AML = 0.452825 | MoV = 0.274101 | VoV = 0.003289 ] [SYS][ GML = 0.264371 | AML = 2.201764 | MoV = 0.003115 | VoV = 0.000005 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.40562039613723755
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.80 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5118 | LCC = 0.6299 | SRCC = 0.5954 ] [SYS][ MSE = 0.0196 | LCC = 0.9762 | SRCC = 0.9364 ]
[Valid(teacher)][41][UTT][ GML = 0.283281 | AML = 0.452990 | MoV = 0.271632 | VoV = 0.003268 ] [SYS][ GML = 0.249601 | AML = 1.733949 | MoV = 0.003068 | VoV = 0.000004 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.4187726676464081
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.06 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5084 | LCC = 0.6311 | SRCC = 0.5966 ] [SYS][ MSE = 0.0182 | LCC = 0.9775 | SRCC = 0.9412 ]
[Valid(teacher)][42][UTT][ GML = 0.283075 | AML = 0.453765 | MoV = 0.269363 | VoV = 0.003251 ] [SYS][ GML = 0.308789 | AML = 2.068021 | MoV = 0.003047 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.43049150705337524
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.05 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5098 | LCC = 0.6317 | SRCC = 0.5976 ] [SYS][ MSE = 0.0199 | LCC = 0.9761 | SRCC = 0.9371 ]
[Valid(teacher)][43][UTT][ GML = 0.282527 | AML = 0.453238 | MoV = 0.266836 | VoV = 0.003211 ] [SYS][ GML = 0.205713 | AML = 1.798338 | MoV = 0.003010 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:32<00:00,  3.97 step/s]
Average loss=-0.44623610377311707
Valid(teacher): 100% 3000/3000 [00:21<00:00, 141.86 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5078 | LCC = 0.6326 | SRCC = 0.5987 ] [SYS][ MSE = 0.0196 | LCC = 0.9772 | SRCC = 0.9371 ]
[Valid(teacher)][44][UTT][ GML = 0.283033 | AML = 0.454401 | MoV = 0.263635 | VoV = 0.003032 ] [SYS][ GML = 0.220703 | AML = 1.796414 | MoV = 0.002976 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.4577512741088867
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.66 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5074 | LCC = 0.6330 | SRCC = 0.6000 ] [SYS][ MSE = 0.0199 | LCC = 0.9770 | SRCC = 0.9371 ]
[Valid(teacher)][45][UTT][ GML = 0.280493 | AML = 0.455501 | MoV = 0.260414 | VoV = 0.003018 ] [SYS][ GML = 0.211157 | AML = 1.870658 | MoV = 0.002949 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.4775228202342987
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.89 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5093 | LCC = 0.6321 | SRCC = 0.5998 ] [SYS][ MSE = 0.0206 | LCC = 0.9759 | SRCC = 0.9371 ]
[Valid(teacher)][46][UTT][ GML = 0.275061 | AML = 0.456424 | MoV = 0.255489 | VoV = 0.003054 ] [SYS][ GML = 0.174153 | AML = 1.738509 | MoV = 0.002897 | VoV = 0.000004 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.4900134205818176
Valid(teacher): 100% 3000/3000 [00:18<00:00, 158.03 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5106 | LCC = 0.6316 | SRCC = 0.5995 ] [SYS][ MSE = 0.0225 | LCC = 0.9755 | SRCC = 0.9364 ]
[Valid(teacher)][47][UTT][ GML = 0.273879 | AML = 0.456557 | MoV = 0.252533 | VoV = 0.002983 ] [SYS][ GML = 0.112089 | AML = 1.785977 | MoV = 0.002863 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.5042343735694885
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.58 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5121 | LCC = 0.6293 | SRCC = 0.5968 ] [SYS][ MSE = 0.0213 | LCC = 0.9755 | SRCC = 0.9364 ]
[Valid(teacher)][48][UTT][ GML = 0.269126 | AML = 0.456751 | MoV = 0.247550 | VoV = 0.002883 ] [SYS][ GML = 0.132143 | AML = 1.664239 | MoV = 0.002802 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00,  3.95 step/s]
Average loss=-0.5092424750328064
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.31 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5153 | LCC = 0.6294 | SRCC = 0.5966 ] [SYS][ MSE = 0.0248 | LCC = 0.9754 | SRCC = 0.9378 ]
[Valid(teacher)][49][UTT][ GML = 0.268912 | AML = 0.456158 | MoV = 0.246633 | VoV = 0.002815 ] [SYS][ GML = 0.055621 | AML = 1.756632 | MoV = 0.002783 | VoV = 0.000004 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.5272288918495178
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.11 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5240 | LCC = 0.6277 | SRCC = 0.5961 ] [SYS][ MSE = 0.0294 | LCC = 0.9744 | SRCC = 0.9255 ]
[Valid(teacher)][50][UTT][ GML = 0.261301 | AML = 0.455135 | MoV = 0.243019 | VoV = 0.002710 ] [SYS][ GML = 0.015421 | AML = 1.849138 | MoV = 0.002741 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.5339431762695312
Valid(teacher): 100% 3000/3000 [00:20<00:00, 146.34 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5179 | LCC = 0.6274 | SRCC = 0.5954 ] [SYS][ MSE = 0.0253 | LCC = 0.9743 | SRCC = 0.9282 ]
[Valid(teacher)][51][UTT][ GML = 0.261500 | AML = 0.457235 | MoV = 0.240539 | VoV = 0.002772 ] [SYS][ GML = 0.040403 | AML = 1.745182 | MoV = 0.002722 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.5458570122718811
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.07 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5186 | LCC = 0.6274 | SRCC = 0.5953 ] [SYS][ MSE = 0.0264 | LCC = 0.9740 | SRCC = 0.9282 ]
[Valid(teacher)][52][UTT][ GML = 0.260224 | AML = 0.457308 | MoV = 0.238420 | VoV = 0.002698 ] [SYS][ GML = 0.033825 | AML = 1.711833 | MoV = 0.002696 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.5586552619934082
Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.65 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5175 | LCC = 0.6281 | SRCC = 0.5967 ] [SYS][ MSE = 0.0273 | LCC = 0.9742 | SRCC = 0.9282 ]
[Valid(teacher)][53][UTT][ GML = 0.259549 | AML = 0.458763 | MoV = 0.236092 | VoV = 0.002649 ] [SYS][ GML = 0.028518 | AML = 1.740694 | MoV = 0.002673 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.5704760551452637
Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.67 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5154 | LCC = 0.6281 | SRCC = 0.5973 ] [SYS][ MSE = 0.0272 | LCC = 0.9730 | SRCC = 0.9255 ]
[Valid(teacher)][54][UTT][ GML = 0.257882 | AML = 0.460766 | MoV = 0.232213 | VoV = 0.002624 ] [SYS][ GML = 0.030926 | AML = 1.792314 | MoV = 0.002637 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.97 step/s]
Average loss=-0.5784915089607239
Valid(teacher): 100% 3000/3000 [00:19<00:00, 157.88 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5202 | LCC = 0.6283 | SRCC = 0.5978 ] [SYS][ MSE = 0.0315 | LCC = 0.9730 | SRCC = 0.9316 ]
[Valid(teacher)][55][UTT][ GML = 0.255670 | AML = 0.459627 | MoV = 0.230177 | VoV = 0.002461 ] [SYS][ GML = 0.009744 | AML = 1.961458 | MoV = 0.002611 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.5938467383384705
Valid(teacher): 100% 3000/3000 [00:19<00:00, 153.90 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5193 | LCC = 0.6295 | SRCC = 0.5987 ] [SYS][ MSE = 0.0336 | LCC = 0.9736 | SRCC = 0.9344 ]
[Valid(teacher)][56][UTT][ GML = 0.255331 | AML = 0.460769 | MoV = 0.228214 | VoV = 0.002391 ] [SYS][ GML = 0.005062 | AML = 1.980503 | MoV = 0.002589 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.6005376577377319
Valid(teacher): 100% 3000/3000 [00:18<00:00, 158.89 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5270 | LCC = 0.6274 | SRCC = 0.5962 ] [SYS][ MSE = 0.0368 | LCC = 0.9737 | SRCC = 0.9316 ]
[Valid(teacher)][57][UTT][ GML = 0.249053 | AML = 0.460352 | MoV = 0.224802 | VoV = 0.002305 ] [SYS][ GML = 0.001768 | AML = 2.028266 | MoV = 0.002538 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.94 step/s]
Average loss=-0.6210166215896606
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.64 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5306 | LCC = 0.6253 | SRCC = 0.5941 ] [SYS][ MSE = 0.0372 | LCC = 0.9739 | SRCC = 0.9316 ]
[Valid(teacher)][58][UTT][ GML = 0.245630 | AML = 0.459109 | MoV = 0.222877 | VoV = 0.002317 ] [SYS][ GML = 0.001476 | AML = 2.190930 | MoV = 0.002514 | VoV = 0.000003 ]
Train: 100% 845/845 [03:34<00:00,  3.95 step/s]
Average loss=-0.627871036529541
Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.80 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5348 | LCC = 0.6238 | SRCC = 0.5929 ] [SYS][ MSE = 0.0394 | LCC = 0.9724 | SRCC = 0.9316 ]
[Valid(teacher)][59][UTT][ GML = 0.241016 | AML = 0.458702 | MoV = 0.220928 | VoV = 0.002316 ] [SYS][ GML = 0.000867 | AML = 2.213078 | MoV = 0.002494 | VoV = 0.000003 ]
Train: 100% 845/845 [03:33<00:00,  3.96 step/s]
Average loss=-0.6287397146224976
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.64 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5370 | LCC = 0.6243 | SRCC = 0.5941 ] [SYS][ MSE = 0.0435 | LCC = 0.9719 | SRCC = 0.9316 ]
[Valid(teacher)][60][UTT][ GML = 0.240562 | AML = 0.458707 | MoV = 0.220544 | VoV = 0.002231 ] [SYS][ GML = 0.000350 | AML = 2.129263 | MoV = 0.002491 | 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 [00:26<00:00, 149.48 step/s]

[Test(best)][61][UTT][ MSE = 0.5003 | LCC = 0.6492 | SRCC = 0.6182 ] [SYS][ MSE = 0.0282 | LCC = 0.9686 | SRCC = 0.9603 ]
[Test(best)][61][UTT][ GML = 0.326226 | AML = 0.437800 | MoV = 0.360686 | VoV = 0.003837 ] [SYS][ GML = 0.032598 | AML = 1.731795 | MoV = 0.002967 | VoV = 0.000003 ]
Test(last): 100% 4000/4000 [00:26<00:00, 152.11 step/s]

[Test(last)][61][UTT][ MSE = 0.5478 | LCC = 0.6316 | SRCC = 0.6042 ] [SYS][ MSE = 0.0589 | LCC = 0.9633 | SRCC = 0.9556 ]
[Test(last)][61][UTT][ GML = 0.233313 | AML = 0.466335 | MoV = 0.219782 | VoV = 0.002152 ] [SYS][ GML = 0.000000 | AML = 1.273154 | MoV = 0.001828 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node053 ProMOSNet]$  client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-MBA ProMOSNet %
```