```
(lxygpu) [x_xlian@node007 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1/run3"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:49<00:00, 115.09it/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, 28.93it/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, 28.74it/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=16288.7822265625
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.17 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.0295 | LCC = 0.4972 | SRCC = 0.4674 ] [SYS][ MSE = 0.7539 | LCC = 0.8257 | SRCC = 0.8441 ]
[Valid(teacher)][0][UTT][ GML = 0.237762 | AML = 0.289716 | MoV = 0.828896 | VoV = 0.013560 ] [SYS][ GML = 0.000000 | AML = 0.113995 | MoV = 0.009581 | VoV = 0.000061 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.5193195939064026
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.78 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.2943 | LCC = 0.5643 | SRCC = 0.5288 ] [SYS][ MSE = 0.9309 | LCC = 0.9020 | SRCC = 0.8708 ]
[Valid(teacher)][1][UTT][ GML = 0.119214 | AML = 0.271072 | MoV = 0.454346 | VoV = 0.013852 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005517 | VoV = 0.000029 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.4291945993900299
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.29 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.1149 | LCC = 0.5986 | SRCC = 0.5573 ] [SYS][ MSE = 0.7419 | LCC = 0.9333 | SRCC = 0.8790 ]
[Valid(teacher)][2][UTT][ GML = 0.150205 | AML = 0.295373 | MoV = 0.435413 | VoV = 0.009138 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005199 | VoV = 0.000022 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.38457268476486206
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.34 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.0388 | LCC = 0.6186 | SRCC = 0.5765 ] [SYS][ MSE = 0.6709 | LCC = 0.9542 | SRCC = 0.9029 ]
[Valid(teacher)][3][UTT][ GML = 0.171603 | AML = 0.307931 | MoV = 0.426283 | VoV = 0.006299 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005017 | VoV = 0.000018 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.3569679856300354
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.37 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.0413 | LCC = 0.6225 | SRCC = 0.5816 ] [SYS][ MSE = 0.6627 | LCC = 0.9605 | SRCC = 0.9173 ]
[Valid(teacher)][4][UTT][ GML = 0.169517 | AML = 0.308752 | MoV = 0.420511 | VoV = 0.006021 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004930 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.33558523654937744
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.98 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.9860 | LCC = 0.6277 | SRCC = 0.5877 ] [SYS][ MSE = 0.6054 | LCC = 0.9626 | SRCC = 0.9241 ]
[Valid(teacher)][5][UTT][ GML = 0.183200 | AML = 0.318369 | MoV = 0.421051 | VoV = 0.005644 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004921 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.3158864974975586
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.86 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.9453 | LCC = 0.6315 | SRCC = 0.5944 ] [SYS][ MSE = 0.5637 | LCC = 0.9647 | SRCC = 0.9282 ]
[Valid(teacher)][6][UTT][ GML = 0.193712 | AML = 0.326514 | MoV = 0.416435 | VoV = 0.004894 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004857 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2960425913333893
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.31 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.9032 | LCC = 0.6330 | SRCC = 0.5992 ] [SYS][ MSE = 0.5174 | LCC = 0.9661 | SRCC = 0.9255 ]
[Valid(teacher)][7][UTT][ GML = 0.205183 | AML = 0.334606 | MoV = 0.414142 | VoV = 0.004171 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004807 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.2866266667842865
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.82 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.8823 | LCC = 0.6324 | SRCC = 0.6015 ] [SYS][ MSE = 0.4944 | LCC = 0.9664 | SRCC = 0.9275 ]
[Valid(teacher)][8][UTT][ GML = 0.210905 | AML = 0.338924 | MoV = 0.411449 | VoV = 0.003661 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.004761 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2684403955936432
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.64 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.8626 | LCC = 0.6318 | SRCC = 0.6036 ] [SYS][ MSE = 0.4725 | LCC = 0.9655 | SRCC = 0.9275 ]
[Valid(teacher)][9][UTT][ GML = 0.214819 | AML = 0.343436 | MoV = 0.405908 | VoV = 0.003512 ] [SYS][ GML = 0.000000 | AML = 0.000003 | MoV = 0.004688 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.25468114018440247
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.82 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.8168 | LCC = 0.6310 | SRCC = 0.6042 ] [SYS][ MSE = 0.4211 | LCC = 0.9654 | SRCC = 0.9282 ]
[Valid(teacher)][10][UTT][ GML = 0.226774 | AML = 0.352709 | MoV = 0.402511 | VoV = 0.003105 ] [SYS][ GML = 0.000000 | AML = 0.000024 | MoV = 0.004628 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.23509317636489868
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.70 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.7661 | LCC = 0.6299 | SRCC = 0.6035 ] [SYS][ MSE = 0.3626 | LCC = 0.9660 | SRCC = 0.9282 ]
[Valid(teacher)][11][UTT][ GML = 0.241100 | AML = 0.362773 | MoV = 0.400499 | VoV = 0.002916 ] [SYS][ GML = 0.000000 | AML = 0.000321 | MoV = 0.004588 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.22332704067230225
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.83 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.7724 | LCC = 0.6294 | SRCC = 0.6037 ] [SYS][ MSE = 0.3680 | LCC = 0.9653 | SRCC = 0.9159 ]
[Valid(teacher)][12][UTT][ GML = 0.237273 | AML = 0.362634 | MoV = 0.392919 | VoV = 0.002698 ] [SYS][ GML = 0.000000 | AML = 0.000321 | MoV = 0.004499 | VoV = 0.000011 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.20446144444399261
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.40 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.7083 | LCC = 0.6303 | SRCC = 0.6041 ] [SYS][ MSE = 0.2919 | LCC = 0.9659 | SRCC = 0.9262 ]
[Valid(teacher)][13][UTT][ GML = 0.257100 | AML = 0.375963 | MoV = 0.391572 | VoV = 0.002452 ] [SYS][ GML = 0.000000 | AML = 0.010694 | MoV = 0.004451 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.19169121980667114
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.17 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.6894 | LCC = 0.6322 | SRCC = 0.6052 ] [SYS][ MSE = 0.2722 | LCC = 0.9656 | SRCC = 0.9282 ]
[Valid(teacher)][14][UTT][ GML = 0.262258 | AML = 0.380842 | MoV = 0.386989 | VoV = 0.002299 ] [SYS][ GML = 0.000000 | AML = 0.023462 | MoV = 0.004391 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.18588384985923767
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.42 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.6824 | LCC = 0.6303 | SRCC = 0.6033 ] [SYS][ MSE = 0.2639 | LCC = 0.9639 | SRCC = 0.9241 ]
[Valid(teacher)][15][UTT][ GML = 0.263493 | AML = 0.383302 | MoV = 0.382132 | VoV = 0.002153 ] [SYS][ GML = 0.000000 | AML = 0.036535 | MoV = 0.004334 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.16759563982486725
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.05 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.6905 | LCC = 0.6284 | SRCC = 0.6025 ] [SYS][ MSE = 0.2721 | LCC = 0.9629 | SRCC = 0.9159 ]
[Valid(teacher)][16][UTT][ GML = 0.259221 | AML = 0.382449 | MoV = 0.376451 | VoV = 0.002037 ] [SYS][ GML = 0.000000 | AML = 0.030284 | MoV = 0.004273 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.15213121473789215
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.37 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.7068 | LCC = 0.6285 | SRCC = 0.6018 ] [SYS][ MSE = 0.2928 | LCC = 0.9631 | SRCC = 0.9118 ]
[Valid(teacher)][17][UTT][ GML = 0.252457 | AML = 0.379519 | MoV = 0.372506 | VoV = 0.001979 ] [SYS][ GML = 0.000000 | AML = 0.008089 | MoV = 0.004232 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.1395994871854782
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.33 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.6882 | LCC = 0.6279 | SRCC = 0.6006 ] [SYS][ MSE = 0.2710 | LCC = 0.9610 | SRCC = 0.9056 ]
[Valid(teacher)][18][UTT][ GML = 0.257688 | AML = 0.383940 | MoV = 0.368956 | VoV = 0.001882 ] [SYS][ GML = 0.000000 | AML = 0.024165 | MoV = 0.004186 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.1259816735982895
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.71 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.6818 | LCC = 0.6254 | SRCC = 0.5982 ] [SYS][ MSE = 0.2624 | LCC = 0.9592 | SRCC = 0.8920 ]
[Valid(teacher)][19][UTT][ GML = 0.259023 | AML = 0.385606 | MoV = 0.365100 | VoV = 0.001602 ] [SYS][ GML = 0.000000 | AML = 0.027759 | MoV = 0.004136 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
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Average loss=0.113605533003807
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.65 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.6422 | LCC = 0.6267 | SRCC = 0.5986 ] [SYS][ MSE = 0.2165 | LCC = 0.9580 | SRCC = 0.8899 ]
[Valid(teacher)][20][UTT][ GML = 0.271875 | AML = 0.395290 | MoV = 0.360135 | VoV = 0.001563 ] [SYS][ GML = 0.000000 | AML = 0.113828 | MoV = 0.004063 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.1025986894961718
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.63 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.6151 | LCC = 0.6310 | SRCC = 0.6018 ] [SYS][ MSE = 0.1867 | LCC = 0.9613 | SRCC = 0.9063 ]
[Valid(teacher)][21][UTT][ GML = 0.281409 | AML = 0.402183 | MoV = 0.356982 | VoV = 0.001567 ] [SYS][ GML = 0.000000 | AML = 0.205937 | MoV = 0.004011 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.0855772122740745
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.27 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.6513 | LCC = 0.6291 | SRCC = 0.6010 ] [SYS][ MSE = 0.2259 | LCC = 0.9621 | SRCC = 0.9009 ]
[Valid(teacher)][22][UTT][ GML = 0.266181 | AML = 0.395298 | MoV = 0.352292 | VoV = 0.001565 ] [SYS][ GML = 0.000000 | AML = 0.044756 | MoV = 0.003969 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.18450003862380981
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.28 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.6315 | LCC = 0.6312 | SRCC = 0.6026 ] [SYS][ MSE = 0.2016 | LCC = 0.9640 | SRCC = 0.9132 ]
[Valid(teacher)][23][UTT][ GML = 0.271772 | AML = 0.400824 | MoV = 0.346793 | VoV = 0.001554 ] [SYS][ GML = 0.000000 | AML = 0.086633 | MoV = 0.003894 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.06115236133337021
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.00 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.6084 | LCC = 0.6306 | SRCC = 0.6019 ] [SYS][ MSE = 0.1737 | LCC = 0.9630 | SRCC = 0.9118 ]
[Valid(teacher)][24][UTT][ GML = 0.279512 | AML = 0.407205 | MoV = 0.342033 | VoV = 0.001457 ] [SYS][ GML = 0.000000 | AML = 0.234289 | MoV = 0.003831 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.047751717269420624
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.50 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.6234 | LCC = 0.6321 | SRCC = 0.6037 ] [SYS][ MSE = 0.1904 | LCC = 0.9657 | SRCC = 0.9132 ]
[Valid(teacher)][25][UTT][ GML = 0.271644 | AML = 0.404767 | MoV = 0.337241 | VoV = 0.001438 ] [SYS][ GML = 0.000000 | AML = 0.102897 | MoV = 0.003784 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.03527235984802246
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.88 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.5996 | LCC = 0.6337 | SRCC = 0.6049 ] [SYS][ MSE = 0.1647 | LCC = 0.9657 | SRCC = 0.9132 ]
[Valid(teacher)][26][UTT][ GML = 0.280369 | AML = 0.411116 | MoV = 0.333896 | VoV = 0.001381 ] [SYS][ GML = 0.000000 | AML = 0.254449 | MoV = 0.003734 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.021370895206928253
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.78 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.5764 | LCC = 0.6360 | SRCC = 0.6071 ] [SYS][ MSE = 0.1380 | LCC = 0.9667 | SRCC = 0.9200 ]
[Valid(teacher)][27][UTT][ GML = 0.288721 | AML = 0.417863 | MoV = 0.329430 | VoV = 0.001443 ] [SYS][ GML = 0.000000 | AML = 0.474306 | MoV = 0.003666 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.009046174585819244
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.22 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5673 | LCC = 0.6368 | SRCC = 0.6075 ] [SYS][ MSE = 0.1293 | LCC = 0.9665 | SRCC = 0.9200 ]
[Valid(teacher)][28][UTT][ GML = 0.291938 | AML = 0.420767 | MoV = 0.326659 | VoV = 0.001447 ] [SYS][ GML = 0.000000 | AML = 0.576410 | MoV = 0.003630 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.005326092708855867
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.86 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5394 | LCC = 0.6405 | SRCC = 0.6098 ] [SYS][ MSE = 0.0979 | LCC = 0.9684 | SRCC = 0.9193 ]
[Valid(teacher)][29][UTT][ GML = 0.303300 | AML = 0.428534 | MoV = 0.323116 | VoV = 0.001496 ] [SYS][ GML = 0.000001 | AML = 0.725835 | MoV = 0.003575 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.01576010137796402
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.85 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5398 | LCC = 0.6427 | SRCC = 0.6119 ] [SYS][ MSE = 0.1000 | LCC = 0.9716 | SRCC = 0.9316 ]
[Valid(teacher)][30][UTT][ GML = 0.301784 | AML = 0.429170 | MoV = 0.320367 | VoV = 0.001569 ] [SYS][ GML = 0.000001 | AML = 0.620615 | MoV = 0.003543 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.0289379321038723
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.96 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5293 | LCC = 0.6422 | SRCC = 0.6104 ] [SYS][ MSE = 0.0878 | LCC = 0.9714 | SRCC = 0.9296 ]
[Valid(teacher)][31][UTT][ GML = 0.304779 | AML = 0.433448 | MoV = 0.314515 | VoV = 0.001518 ] [SYS][ GML = 0.000004 | AML = 0.776180 | MoV = 0.003472 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.041356347501277924
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.27 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5346 | LCC = 0.6403 | SRCC = 0.6090 ] [SYS][ MSE = 0.0923 | LCC = 0.9705 | SRCC = 0.9282 ]
[Valid(teacher)][32][UTT][ GML = 0.300757 | AML = 0.433343 | MoV = 0.310650 | VoV = 0.001473 ] [SYS][ GML = 0.000002 | AML = 0.829808 | MoV = 0.003432 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.050753287971019745
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.37 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5363 | LCC = 0.6413 | SRCC = 0.6102 ] [SYS][ MSE = 0.0924 | LCC = 0.9722 | SRCC = 0.9268 ]
[Valid(teacher)][33][UTT][ GML = 0.299357 | AML = 0.433092 | MoV = 0.309300 | VoV = 0.001494 ] [SYS][ GML = 0.000001 | AML = 0.749857 | MoV = 0.003411 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.06460198760032654
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.79 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5214 | LCC = 0.6428 | SRCC = 0.6110 ] [SYS][ MSE = 0.0774 | LCC = 0.9729 | SRCC = 0.9378 ]
[Valid(teacher)][34][UTT][ GML = 0.305372 | AML = 0.438108 | MoV = 0.305890 | VoV = 0.001437 ] [SYS][ GML = 0.000019 | AML = 0.962932 | MoV = 0.003372 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.07082196325063705
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.65 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5040 | LCC = 0.6460 | SRCC = 0.6136 ] [SYS][ MSE = 0.0597 | LCC = 0.9745 | SRCC = 0.9419 ]
[Valid(teacher)][35][UTT][ GML = 0.313311 | AML = 0.443675 | MoV = 0.303981 | VoV = 0.001524 ] [SYS][ GML = 0.000418 | AML = 1.187718 | MoV = 0.003341 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.08579845726490021
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.54 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5029 | LCC = 0.6432 | SRCC = 0.6106 ] [SYS][ MSE = 0.0569 | LCC = 0.9725 | SRCC = 0.9289 ]
[Valid(teacher)][36][UTT][ GML = 0.312064 | AML = 0.445413 | MoV = 0.298959 | VoV = 0.001502 ] [SYS][ GML = 0.000613 | AML = 1.245270 | MoV = 0.003281 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.09566443413496017
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.58 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5113 | LCC = 0.6406 | SRCC = 0.6081 ] [SYS][ MSE = 0.0639 | LCC = 0.9708 | SRCC = 0.9214 ]
[Valid(teacher)][37][UTT][ GML = 0.305510 | AML = 0.444380 | MoV = 0.294168 | VoV = 0.001488 ] [SYS][ GML = 0.000145 | AML = 1.209424 | MoV = 0.003231 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.10756883770227432
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.21 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.4947 | LCC = 0.6436 | SRCC = 0.6106 ] [SYS][ MSE = 0.0458 | LCC = 0.9732 | SRCC = 0.9330 ]
[Valid(teacher)][38][UTT][ GML = 0.312950 | AML = 0.450146 | MoV = 0.290716 | VoV = 0.001536 ] [SYS][ GML = 0.003503 | AML = 1.496473 | MoV = 0.003181 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.11747188866138458
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.25 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.4797 | LCC = 0.6478 | SRCC = 0.6140 ] [SYS][ MSE = 0.0308 | LCC = 0.9754 | SRCC = 0.9460 ]
[Valid(teacher)][39][UTT][ GML = 0.320011 | AML = 0.456111 | MoV = 0.287677 | VoV = 0.001596 ] [SYS][ GML = 0.051765 | AML = 2.458231 | MoV = 0.003131 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1264830678701408
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.38 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.4892 | LCC = 0.6447 | SRCC = 0.6110 ] [SYS][ MSE = 0.0379 | LCC = 0.9738 | SRCC = 0.9330 ]
[Valid(teacher)][40][UTT][ GML = 0.313221 | AML = 0.454375 | MoV = 0.284861 | VoV = 0.001645 ] [SYS][ GML = 0.011679 | AML = 2.056700 | MoV = 0.003106 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.1378975659608841
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.13 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.4913 | LCC = 0.6452 | SRCC = 0.6119 ] [SYS][ MSE = 0.0402 | LCC = 0.9750 | SRCC = 0.9385 ]
[Valid(teacher)][41][UTT][ GML = 0.309866 | AML = 0.455321 | MoV = 0.280155 | VoV = 0.001624 ] [SYS][ GML = 0.006992 | AML = 1.773149 | MoV = 0.003055 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.14371177554130554
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.17 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.4801 | LCC = 0.6481 | SRCC = 0.6145 ] [SYS][ MSE = 0.0322 | LCC = 0.9766 | SRCC = 0.9460 ]
[Valid(teacher)][42][UTT][ GML = 0.315522 | AML = 0.458654 | MoV = 0.278314 | VoV = 0.001655 ] [SYS][ GML = 0.035728 | AML = 2.154818 | MoV = 0.003030 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.15766926109790802
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.53 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.4734 | LCC = 0.6502 | SRCC = 0.6167 ] [SYS][ MSE = 0.0281 | LCC = 0.9774 | SRCC = 0.9460 ]
[Valid(teacher)][43][UTT][ GML = 0.318466 | AML = 0.460969 | MoV = 0.276505 | VoV = 0.001678 ] [SYS][ GML = 0.083891 | AML = 2.439893 | MoV = 0.003005 | VoV = 0.000003 ]
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Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.16093836724758148
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.52 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.4768 | LCC = 0.6510 | SRCC = 0.6179 ] [SYS][ MSE = 0.0329 | LCC = 0.9799 | SRCC = 0.9569 ]
[Valid(teacher)][44][UTT][ GML = 0.315616 | AML = 0.460737 | MoV = 0.275010 | VoV = 0.001649 ] [SYS][ GML = 0.034967 | AML = 1.986434 | MoV = 0.002996 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.17806248366832733
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.55 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.4707 | LCC = 0.6517 | SRCC = 0.6189 ] [SYS][ MSE = 0.0258 | LCC = 0.9800 | SRCC = 0.9651 ]
[Valid(teacher)][45][UTT][ GML = 0.316840 | AML = 0.464875 | MoV = 0.271469 | VoV = 0.001786 ] [SYS][ GML = 0.140054 | AML = 2.816035 | MoV = 0.002946 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.18852773308753967
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.69 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.4778 | LCC = 0.6479 | SRCC = 0.6152 ] [SYS][ MSE = 0.0300 | LCC = 0.9780 | SRCC = 0.9508 ]
[Valid(teacher)][46][UTT][ GML = 0.309462 | AML = 0.464227 | MoV = 0.266368 | VoV = 0.001849 ] [SYS][ GML = 0.058319 | AML = 2.213225 | MoV = 0.002895 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.19573400914669037
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.30 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.4703 | LCC = 0.6493 | SRCC = 0.6159 ] [SYS][ MSE = 0.0226 | LCC = 0.9783 | SRCC = 0.9562 ]
[Valid(teacher)][47][UTT][ GML = 0.312739 | AML = 0.467798 | MoV = 0.264024 | VoV = 0.001905 ] [SYS][ GML = 0.243382 | AML = 3.258594 | MoV = 0.002855 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.20731547474861145
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.26 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.4725 | LCC = 0.6475 | SRCC = 0.6145 ] [SYS][ MSE = 0.0235 | LCC = 0.9769 | SRCC = 0.9474 ]
[Valid(teacher)][48][UTT][ GML = 0.309488 | AML = 0.468154 | MoV = 0.260665 | VoV = 0.001888 ] [SYS][ GML = 0.192383 | AML = 3.088455 | MoV = 0.002820 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2126376308525085
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.53 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.4741 | LCC = 0.6470 | SRCC = 0.6140 ] [SYS][ MSE = 0.0245 | LCC = 0.9779 | SRCC = 0.9521 ]
[Valid(teacher)][49][UTT][ GML = 0.307954 | AML = 0.467672 | MoV = 0.260115 | VoV = 0.001887 ] [SYS][ GML = 0.159949 | AML = 2.940072 | MoV = 0.002823 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.21868452429771423
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.14 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.4700 | LCC = 0.6479 | SRCC = 0.6148 ] [SYS][ MSE = 0.0213 | LCC = 0.9790 | SRCC = 0.9556 ]
[Valid(teacher)][50][UTT][ GML = 0.309475 | AML = 0.469110 | MoV = 0.257995 | VoV = 0.001892 ] [SYS][ GML = 0.325326 | AML = 3.505279 | MoV = 0.002796 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.22835706174373627
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.83 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.4680 | LCC = 0.6486 | SRCC = 0.6159 ] [SYS][ MSE = 0.0191 | LCC = 0.9793 | SRCC = 0.9562 ]
[Valid(teacher)][51][UTT][ GML = 0.309190 | AML = 0.470841 | MoV = 0.254739 | VoV = 0.001824 ] [SYS][ GML = 0.455944 | AML = 3.389108 | MoV = 0.002754 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.22903673350811005
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.94 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.4685 | LCC = 0.6484 | SRCC = 0.6154 ] [SYS][ MSE = 0.0211 | LCC = 0.9808 | SRCC = 0.9603 ]
[Valid(teacher)][52][UTT][ GML = 0.308479 | AML = 0.470895 | MoV = 0.254724 | VoV = 0.001873 ] [SYS][ GML = 0.365372 | AML = 3.388654 | MoV = 0.002761 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.2547617256641388
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.25 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.4701 | LCC = 0.6476 | SRCC = 0.6147 ] [SYS][ MSE = 0.0202 | LCC = 0.9808 | SRCC = 0.9706 ]
[Valid(teacher)][53][UTT][ GML = 0.304488 | AML = 0.471846 | MoV = 0.250697 | VoV = 0.001943 ] [SYS][ GML = 0.409649 | AML = 3.516697 | MoV = 0.002719 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.2549819052219391
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.62 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.4689 | LCC = 0.6480 | SRCC = 0.6146 ] [SYS][ MSE = 0.0184 | LCC = 0.9818 | SRCC = 0.9713 ]
[Valid(teacher)][54][UTT][ GML = 0.304718 | AML = 0.472217 | MoV = 0.249954 | VoV = 0.002005 ] [SYS][ GML = 0.584201 | AML = 3.658489 | MoV = 0.002707 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.273715615272522
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.05 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.4680 | LCC = 0.6481 | SRCC = 0.6144 ] [SYS][ MSE = 0.0186 | LCC = 0.9823 | SRCC = 0.9692 ]
[Valid(teacher)][55][UTT][ GML = 0.304911 | AML = 0.472861 | MoV = 0.249966 | VoV = 0.002124 ] [SYS][ GML = 0.544113 | AML = 3.686226 | MoV = 0.002703 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.27308762073516846
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.56 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.4664 | LCC = 0.6480 | SRCC = 0.6144 ] [SYS][ MSE = 0.0184 | LCC = 0.9815 | SRCC = 0.9733 ]
[Valid(teacher)][56][UTT][ GML = 0.305221 | AML = 0.473462 | MoV = 0.248557 | VoV = 0.002058 ] [SYS][ GML = 0.581018 | AML = 3.434952 | MoV = 0.002687 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.282575786113739
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.37 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.4653 | LCC = 0.6489 | SRCC = 0.6154 ] [SYS][ MSE = 0.0179 | LCC = 0.9813 | SRCC = 0.9665 ]
[Valid(teacher)][57][UTT][ GML = 0.304022 | AML = 0.474044 | MoV = 0.246034 | VoV = 0.002092 ] [SYS][ GML = 0.604232 | AML = 2.991589 | MoV = 0.002656 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.28527793288230896
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.51 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4654 | LCC = 0.6487 | SRCC = 0.6153 ] [SYS][ MSE = 0.0196 | LCC = 0.9808 | SRCC = 0.9665 ]
[Valid(teacher)][58][UTT][ GML = 0.302632 | AML = 0.473896 | MoV = 0.244278 | VoV = 0.002142 ] [SYS][ GML = 0.386007 | AML = 2.618613 | MoV = 0.002632 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2890869379043579
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.73 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4680 | LCC = 0.6472 | SRCC = 0.6142 ] [SYS][ MSE = 0.0194 | LCC = 0.9806 | SRCC = 0.9685 ]
[Valid(teacher)][59][UTT][ GML = 0.298456 | AML = 0.475059 | MoV = 0.239793 | VoV = 0.002024 ] [SYS][ GML = 0.391608 | AML = 2.666543 | MoV = 0.002594 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.29931640625
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.34 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4710 | LCC = 0.6475 | SRCC = 0.6139 ] [SYS][ MSE = 0.0216 | LCC = 0.9819 | SRCC = 0.9651 ]
[Valid(teacher)][60][UTT][ GML = 0.294930 | AML = 0.474126 | MoV = 0.237093 | VoV = 0.002011 ] [SYS][ GML = 0.179516 | AML = 2.709720 | MoV = 0.002557 | 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, 195.47 step/s]

[Test(best)][61][UTT][ MSE = 0.4674 | LCC = 0.6591 | SRCC = 0.6252 ] [SYS][ MSE = 0.0274 | LCC = 0.9755 | SRCC = 0.9692 ]
[Test(best)][61][UTT][ GML = 0.321137 | AML = 0.466795 | MoV = 0.271778 | VoV = 0.001736 ] [SYS][ GML = 0.086219 | AML = 2.681465 | MoV = 0.002162 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:19<00:00, 202.24 step/s]

[Test(last)][61][UTT][ MSE = 0.4775 | LCC = 0.6538 | SRCC = 0.6220 ] [SYS][ MSE = 0.0281 | LCC = 0.9784 | SRCC = 0.9781 ]
[Test(last)][61][UTT][ GML = 0.293420 | AML = 0.471958 | MoV = 0.237165 | VoV = 0.001934 ] [SYS][ GML = 0.015100 | AML = 1.515898 | MoV = 0.001881 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node007 ProMOSNet]$
```