```
(lxygpu) [x_xlian@node024 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0.5 --save_path "runs/c5e-1-t5e-1/run1"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:45<00:00, 102.78it/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 [01:47<00:00, 27.99it/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 [02:25<00:00, 27.43it/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 [03:26<00:00,  4.09 step/s]
Average loss=79948.109375
Valid(teacher): 100% 3000/3000 [00:16<00:00, 179.16 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.0470 | LCC = 0.4874 | SRCC = 0.4647 ] [SYS][ MSE = 0.7486 | LCC = 0.7973 | SRCC = 0.8407 ]
[Valid(teacher)][0][UTT][ GML = 0.214464 | AML = 0.301257 | MoV = 0.616664 | VoV = 0.009420 ] [SYS][ GML = 0.000000 | AML = 0.010278 | MoV = 0.007129 | VoV = 0.000034 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.4552460014820099
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.77 step/s]

[Valid(teacher)][1][UTT][ MSE = 0.7887 | LCC = 0.5686 | SRCC = 0.5295 ] [SYS][ MSE = 0.3545 | LCC = 0.9093 | SRCC = 0.8674 ]
[Valid(teacher)][1][UTT][ GML = 0.227985 | AML = 0.343958 | MoV = 0.500483 | VoV = 0.013760 ] [SYS][ GML = 0.000000 | AML = 0.256953 | MoV = 0.005963 | VoV = 0.000030 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.3845582604408264
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.10 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.7779 | LCC = 0.5945 | SRCC = 0.5489 ] [SYS][ MSE = 0.3562 | LCC = 0.9397 | SRCC = 0.8571 ]
[Valid(teacher)][2][UTT][ GML = 0.236819 | AML = 0.348805 | MoV = 0.484086 | VoV = 0.009797 ] [SYS][ GML = 0.000000 | AML = 0.135521 | MoV = 0.005653 | VoV = 0.000023 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]^[[C^[[C^[[Cmedium.com/v2/resize:fit:1262/format:webp/1*tT46AclWWjiyerXbwCSmag.png
Average loss=0.34256601333618164
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.94 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.6530 | LCC = 0.6098 | SRCC = 0.5631 ] [SYS][ MSE = 0.2250 | LCC = 0.9482 | SRCC = 0.8858 ]
[Valid(teacher)][3][UTT][ GML = 0.281091 | AML = 0.374415 | MoV = 0.468761 | VoV = 0.006042 ] [SYS][ GML = 0.000000 | AML = 0.451780 | MoV = 0.005341 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.31522107124328613
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.66 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.6349 | LCC = 0.6147 | SRCC = 0.5698 ] [SYS][ MSE = 0.2072 | LCC = 0.9539 | SRCC = 0.8947 ]
[Valid(teacher)][4][UTT][ GML = 0.287095 | AML = 0.380712 | MoV = 0.455700 | VoV = 0.005273 ] [SYS][ GML = 0.000000 | AML = 0.213956 | MoV = 0.005143 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.29524922370910645
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.93 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.6779 | LCC = 0.6194 | SRCC = 0.5758 ] [SYS][ MSE = 0.2565 | LCC = 0.9553 | SRCC = 0.8885 ]
[Valid(teacher)][5][UTT][ GML = 0.270554 | AML = 0.373984 | MoV = 0.447489 | VoV = 0.005886 ] [SYS][ GML = 0.000000 | AML = 0.041850 | MoV = 0.005070 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.2757886052131653
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.93 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.7537 | LCC = 0.6236 | SRCC = 0.5823 ] [SYS][ MSE = 0.3383 | LCC = 0.9580 | SRCC = 0.9145 ]
[Valid(teacher)][6][UTT][ GML = 0.244532 | AML = 0.361891 | MoV = 0.433301 | VoV = 0.005892 ] [SYS][ GML = 0.000000 | AML = 0.000879 | MoV = 0.004921 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.25793907046318054
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.88 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.0120 | LCC = 0.6236 | SRCC = 0.5844 ] [SYS][ MSE = 0.6158 | LCC = 0.9600 | SRCC = 0.9056 ]
[Valid(teacher)][7][UTT][ GML = 0.166515 | AML = 0.318621 | MoV = 0.401141 | VoV = 0.006645 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004663 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.2373795360326767
Valid(teacher): 100% 3000/3000 [00:16<00:00, 178.66 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.2481 | LCC = 0.6220 | SRCC = 0.5841 ] [SYS][ MSE = 0.8636 | LCC = 0.9620 | SRCC = 0.9043 ]
[Valid(teacher)][8][UTT][ GML = 0.112547 | AML = 0.281265 | MoV = 0.375716 | VoV = 0.006630 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004427 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.22499050199985504
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.69 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.4506 | LCC = 0.6207 | SRCC = 0.5832 ] [SYS][ MSE = 1.0744 | LCC = 0.9638 | SRCC = 0.9015 ]
[Valid(teacher)][9][UTT][ GML = 0.077999 | AML = 0.251476 | MoV = 0.356540 | VoV = 0.006287 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004247 | VoV = 0.000015 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.21135953068733215
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.69 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.6888 | LCC = 0.6184 | SRCC = 0.5811 ] [SYS][ MSE = 1.3207 | LCC = 0.9657 | SRCC = 0.9200 ]
[Valid(teacher)][10][UTT][ GML = 0.049326 | AML = 0.219459 | MoV = 0.337048 | VoV = 0.005753 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004055 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.1915400051542282
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.71 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.7220 | LCC = 0.6159 | SRCC = 0.5809 ] [SYS][ MSE = 1.3488 | LCC = 0.9641 | SRCC = 0.9104 ]
[Valid(teacher)][11][UTT][ GML = 0.045199 | AML = 0.216050 | MoV = 0.329127 | VoV = 0.005218 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003956 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.1752099245786667
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.15 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.6786 | LCC = 0.6151 | SRCC = 0.5825 ] [SYS][ MSE = 1.2956 | LCC = 0.9613 | SRCC = 0.9063 ]
[Valid(teacher)][12][UTT][ GML = 0.048324 | AML = 0.222297 | MoV = 0.327312 | VoV = 0.004771 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003914 | VoV = 0.000013 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.16040711104869843
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.29 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.7443 | LCC = 0.6155 | SRCC = 0.5847 ] [SYS][ MSE = 1.3656 | LCC = 0.9614 | SRCC = 0.9159 ]
[Valid(teacher)][13][UTT][ GML = 0.041507 | AML = 0.214217 | MoV = 0.317955 | VoV = 0.004352 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003814 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.14006565511226654
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.88 step/s]

[Valid(teacher)][14][UTT][ MSE = 1.6770 | LCC = 0.6167 | SRCC = 0.5881 ] [SYS][ MSE = 1.2935 | LCC = 0.9605 | SRCC = 0.9138 ]
[Valid(teacher)][14][UTT][ GML = 0.045803 | AML = 0.223062 | MoV = 0.315158 | VoV = 0.003999 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003765 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.13141895830631256
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.44 step/s]

[Valid(teacher)][15][UTT][ MSE = 1.6935 | LCC = 0.6165 | SRCC = 0.5876 ] [SYS][ MSE = 1.3058 | LCC = 0.9604 | SRCC = 0.9118 ]
[Valid(teacher)][15][UTT][ GML = 0.043199 | AML = 0.220797 | MoV = 0.311399 | VoV = 0.004022 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003725 | VoV = 0.000011 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.11432512104511261
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.17 step/s]

[Valid(teacher)][16][UTT][ MSE = 1.8158 | LCC = 0.6153 | SRCC = 0.5864 ] [SYS][ MSE = 1.4301 | LCC = 0.9619 | SRCC = 0.9091 ]
[Valid(teacher)][16][UTT][ GML = 0.032953 | AML = 0.205159 | MoV = 0.302423 | VoV = 0.003811 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003634 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.10245949774980545
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.54 step/s]

[Valid(teacher)][17][UTT][ MSE = 1.8259 | LCC = 0.6136 | SRCC = 0.5874 ] [SYS][ MSE = 1.4394 | LCC = 0.9613 | SRCC = 0.9200 ]
[Valid(teacher)][17][UTT][ GML = 0.030445 | AML = 0.204167 | MoV = 0.295024 | VoV = 0.003626 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003548 | VoV = 0.000011 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.0822156828641891
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.69 step/s]

[Valid(teacher)][18][UTT][ MSE = 1.6555 | LCC = 0.6151 | SRCC = 0.5936 ] [SYS][ MSE = 1.2593 | LCC = 0.9598 | SRCC = 0.9221 ]
[Valid(teacher)][18][UTT][ GML = 0.042792 | AML = 0.226259 | MoV = 0.299012 | VoV = 0.003276 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003566 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.07316848635673523
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.37 step/s]

[Valid(teacher)][19][UTT][ MSE = 1.6477 | LCC = 0.6166 | SRCC = 0.5973 ] [SYS][ MSE = 1.2501 | LCC = 0.9612 | SRCC = 0.9248 ]
[Valid(teacher)][19][UTT][ GML = 0.041877 | AML = 0.226971 | MoV = 0.293754 | VoV = 0.003048 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003506 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
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Average loss=0.05858662351965904
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.09 step/s]

[Valid(teacher)][20][UTT][ MSE = 1.6227 | LCC = 0.6148 | SRCC = 0.5957 ] [SYS][ MSE = 1.2189 | LCC = 0.9609 | SRCC = 0.9241 ]
[Valid(teacher)][20][UTT][ GML = 0.043208 | AML = 0.230732 | MoV = 0.292258 | VoV = 0.002808 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003474 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.04757834984220505
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.07 step/s]

[Valid(teacher)][21][UTT][ MSE = 1.6205 | LCC = 0.6136 | SRCC = 0.5957 ] [SYS][ MSE = 1.2098 | LCC = 0.9610 | SRCC = 0.9193 ]
[Valid(teacher)][21][UTT][ GML = 0.042162 | AML = 0.230643 | MoV = 0.289756 | VoV = 0.002822 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003447 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.03004977852106094
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.80 step/s]

[Valid(teacher)][22][UTT][ MSE = 1.4912 | LCC = 0.6148 | SRCC = 0.5977 ] [SYS][ MSE = 1.0721 | LCC = 0.9622 | SRCC = 0.9193 ]
[Valid(teacher)][22][UTT][ GML = 0.051171 | AML = 0.248529 | MoV = 0.287493 | VoV = 0.003016 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003409 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.010947467759251595
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.37 step/s]

[Valid(teacher)][23][UTT][ MSE = 1.4834 | LCC = 0.6149 | SRCC = 0.5985 ] [SYS][ MSE = 1.0625 | LCC = 0.9643 | SRCC = 0.9179 ]
[Valid(teacher)][23][UTT][ GML = 0.048990 | AML = 0.249680 | MoV = 0.280642 | VoV = 0.003033 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003335 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.0010306789772585034
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.90 step/s]

[Valid(teacher)][24][UTT][ MSE = 1.5528 | LCC = 0.6137 | SRCC = 0.5989 ] [SYS][ MSE = 1.1356 | LCC = 0.9653 | SRCC = 0.9221 ]
[Valid(teacher)][24][UTT][ GML = 0.040119 | AML = 0.239435 | MoV = 0.272067 | VoV = 0.002950 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003248 | VoV = 0.000008 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.01495891623198986
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.67 step/s]

[Valid(teacher)][25][UTT][ MSE = 1.5012 | LCC = 0.6122 | SRCC = 0.5966 ] [SYS][ MSE = 1.0756 | LCC = 0.9671 | SRCC = 0.9200 ]
[Valid(teacher)][25][UTT][ GML = 0.041848 | AML = 0.247166 | MoV = 0.266984 | VoV = 0.002931 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003190 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.025931034237146378
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.57 step/s]

[Valid(teacher)][26][UTT][ MSE = 1.5405 | LCC = 0.6121 | SRCC = 0.5969 ] [SYS][ MSE = 1.1149 | LCC = 0.9683 | SRCC = 0.9303 ]
[Valid(teacher)][26][UTT][ GML = 0.036247 | AML = 0.241390 | MoV = 0.261238 | VoV = 0.003064 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003133 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.05163402855396271
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.98 step/s]

[Valid(teacher)][27][UTT][ MSE = 1.4994 | LCC = 0.6126 | SRCC = 0.5960 ] [SYS][ MSE = 1.0717 | LCC = 0.9695 | SRCC = 0.9316 ]
[Valid(teacher)][27][UTT][ GML = 0.036483 | AML = 0.247758 | MoV = 0.255673 | VoV = 0.003231 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003067 | VoV = 0.000008 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.060636747628450394
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.66 step/s]

[Valid(teacher)][28][UTT][ MSE = 1.4951 | LCC = 0.6113 | SRCC = 0.5956 ] [SYS][ MSE = 1.0687 | LCC = 0.9701 | SRCC = 0.9241 ]
[Valid(teacher)][28][UTT][ GML = 0.035930 | AML = 0.248605 | MoV = 0.253062 | VoV = 0.003172 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003036 | VoV = 0.000008 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.0750783309340477
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.00 step/s]

[Valid(teacher)][29][UTT][ MSE = 1.4146 | LCC = 0.6116 | SRCC = 0.5948 ] [SYS][ MSE = 0.9786 | LCC = 0.9713 | SRCC = 0.9227 ]
[Valid(teacher)][29][UTT][ GML = 0.040472 | AML = 0.261235 | MoV = 0.249893 | VoV = 0.003170 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002995 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.09170762449502945
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.91 step/s]

[Valid(teacher)][30][UTT][ MSE = 1.2550 | LCC = 0.6148 | SRCC = 0.5954 ] [SYS][ MSE = 0.8068 | LCC = 0.9741 | SRCC = 0.9186 ]
[Valid(teacher)][30][UTT][ GML = 0.056852 | AML = 0.287967 | MoV = 0.251504 | VoV = 0.003102 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002999 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.10183226317167282
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.83 step/s]

[Valid(teacher)][31][UTT][ MSE = 1.3236 | LCC = 0.6131 | SRCC = 0.5953 ] [SYS][ MSE = 0.8796 | LCC = 0.9736 | SRCC = 0.9186 ]
[Valid(teacher)][31][UTT][ GML = 0.046042 | AML = 0.276713 | MoV = 0.244959 | VoV = 0.003162 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002934 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.1176619753241539
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.96 step/s]

[Valid(teacher)][32][UTT][ MSE = 1.2296 | LCC = 0.6150 | SRCC = 0.5960 ] [SYS][ MSE = 0.7808 | LCC = 0.9745 | SRCC = 0.9166 ]
[Valid(teacher)][32][UTT][ GML = 0.054445 | AML = 0.293016 | MoV = 0.242449 | VoV = 0.003107 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002897 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.12927132844924927
Valid(teacher): 100% 3000/3000 [00:15<00:00, 187.52 step/s]

[Valid(teacher)][33][UTT][ MSE = 1.1447 | LCC = 0.6164 | SRCC = 0.5956 ] [SYS][ MSE = 0.6889 | LCC = 0.9759 | SRCC = 0.9159 ]
[Valid(teacher)][33][UTT][ GML = 0.064550 | AML = 0.308844 | MoV = 0.242530 | VoV = 0.003182 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002889 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.14373308420181274
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.39 step/s]

[Valid(teacher)][34][UTT][ MSE = 1.0386 | LCC = 0.6190 | SRCC = 0.5948 ] [SYS][ MSE = 0.5752 | LCC = 0.9770 | SRCC = 0.9186 ]
[Valid(teacher)][34][UTT][ GML = 0.079299 | AML = 0.330067 | MoV = 0.241758 | VoV = 0.003190 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002870 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.15685951709747314
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.43 step/s]

[Valid(teacher)][35][UTT][ MSE = 1.0399 | LCC = 0.6178 | SRCC = 0.5940 ] [SYS][ MSE = 0.5721 | LCC = 0.9773 | SRCC = 0.9125 ]
[Valid(teacher)][35][UTT][ GML = 0.073387 | AML = 0.331379 | MoV = 0.235183 | VoV = 0.003278 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002801 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.16365094482898712
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.33 step/s]

[Valid(teacher)][36][UTT][ MSE = 1.0213 | LCC = 0.6181 | SRCC = 0.5935 ] [SYS][ MSE = 0.5512 | LCC = 0.9784 | SRCC = 0.9186 ]
[Valid(teacher)][36][UTT][ GML = 0.073088 | AML = 0.335265 | MoV = 0.231717 | VoV = 0.003351 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002763 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.17294371128082275
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.04 step/s]

[Valid(teacher)][37][UTT][ MSE = 1.0335 | LCC = 0.6183 | SRCC = 0.5943 ] [SYS][ MSE = 0.5690 | LCC = 0.9777 | SRCC = 0.9186 ]
[Valid(teacher)][37][UTT][ GML = 0.070553 | AML = 0.332423 | MoV = 0.229404 | VoV = 0.003193 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002732 | VoV = 0.000006 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.18905074894428253
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.48 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.9454 | LCC = 0.6210 | SRCC = 0.5954 ] [SYS][ MSE = 0.4750 | LCC = 0.9791 | SRCC = 0.9221 ]
[Valid(teacher)][38][UTT][ GML = 0.084875 | AML = 0.350701 | MoV = 0.228463 | VoV = 0.003189 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002710 | VoV = 0.000006 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.2036314159631729
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.51 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.9636 | LCC = 0.6192 | SRCC = 0.5938 ] [SYS][ MSE = 0.4914 | LCC = 0.9794 | SRCC = 0.9221 ]
[Valid(teacher)][39][UTT][ GML = 0.078779 | AML = 0.347513 | MoV = 0.224457 | VoV = 0.003070 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002662 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.2142571210861206
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.09 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.9290 | LCC = 0.6206 | SRCC = 0.5952 ] [SYS][ MSE = 0.4592 | LCC = 0.9806 | SRCC = 0.9296 ]
[Valid(teacher)][40][UTT][ GML = 0.086378 | AML = 0.354570 | MoV = 0.223585 | VoV = 0.002907 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002647 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.21992166340351105
Valid(teacher): 100% 3000/3000 [00:16<00:00, 178.20 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.7786 | LCC = 0.6240 | SRCC = 0.5951 ] [SYS][ MSE = 0.3003 | LCC = 0.9807 | SRCC = 0.9262 ]
[Valid(teacher)][41][UTT][ GML = 0.128303 | AML = 0.388175 | MoV = 0.228617 | VoV = 0.002760 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002683 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.22528621554374695
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.92 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.8603 | LCC = 0.6214 | SRCC = 0.5942 ] [SYS][ MSE = 0.3859 | LCC = 0.9810 | SRCC = 0.9268 ]
[Valid(teacher)][42][UTT][ GML = 0.100605 | AML = 0.369709 | MoV = 0.222619 | VoV = 0.002878 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002633 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.2434065192937851
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.40 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.7702 | LCC = 0.6257 | SRCC = 0.5966 ] [SYS][ MSE = 0.2949 | LCC = 0.9811 | SRCC = 0.9364 ]
[Valid(teacher)][43][UTT][ GML = 0.127677 | AML = 0.389312 | MoV = 0.225588 | VoV = 0.002717 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.002648 | VoV = 0.000005 ]
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Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.25527918338775635
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.32 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.7245 | LCC = 0.6272 | SRCC = 0.5973 ] [SYS][ MSE = 0.2441 | LCC = 0.9817 | SRCC = 0.9405 ]
[Valid(teacher)][44][UTT][ GML = 0.140129 | AML = 0.400277 | MoV = 0.223164 | VoV = 0.002567 ] [SYS][ GML = 0.000000 | AML = 0.000018 | MoV = 0.002610 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.265953004360199
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.37 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.7457 | LCC = 0.6247 | SRCC = 0.5954 ] [SYS][ MSE = 0.2621 | LCC = 0.9813 | SRCC = 0.9337 ]
[Valid(teacher)][45][UTT][ GML = 0.128427 | AML = 0.396422 | MoV = 0.218010 | VoV = 0.002516 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.002549 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.2780955731868744
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.07 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.6845 | LCC = 0.6266 | SRCC = 0.5967 ] [SYS][ MSE = 0.1988 | LCC = 0.9814 | SRCC = 0.9357 ]
[Valid(teacher)][46][UTT][ GML = 0.150993 | AML = 0.412829 | MoV = 0.217792 | VoV = 0.002332 ] [SYS][ GML = 0.000000 | AML = 0.000429 | MoV = 0.002530 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.2880307734012604
Valid(teacher): 100% 3000/3000 [00:15<00:00, 187.84 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.6860 | LCC = 0.6248 | SRCC = 0.5947 ] [SYS][ MSE = 0.1992 | LCC = 0.9810 | SRCC = 0.9289 ]
[Valid(teacher)][47][UTT][ GML = 0.146739 | AML = 0.412921 | MoV = 0.215330 | VoV = 0.002374 ] [SYS][ GML = 0.000000 | AML = 0.000182 | MoV = 0.002510 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.29306215047836304
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.58 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.6696 | LCC = 0.6258 | SRCC = 0.5965 ] [SYS][ MSE = 0.1840 | LCC = 0.9813 | SRCC = 0.9289 ]
[Valid(teacher)][48][UTT][ GML = 0.154967 | AML = 0.416646 | MoV = 0.214693 | VoV = 0.002200 ] [SYS][ GML = 0.000000 | AML = 0.000603 | MoV = 0.002499 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.3058292269706726
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.31 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.6502 | LCC = 0.6252 | SRCC = 0.5965 ] [SYS][ MSE = 0.1616 | LCC = 0.9815 | SRCC = 0.9350 ]
[Valid(teacher)][49][UTT][ GML = 0.161048 | AML = 0.422804 | MoV = 0.211714 | VoV = 0.002101 ] [SYS][ GML = 0.000000 | AML = 0.003210 | MoV = 0.002459 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.3184358775615692
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.91 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.6090 | LCC = 0.6252 | SRCC = 0.5966 ] [SYS][ MSE = 0.1211 | LCC = 0.9806 | SRCC = 0.9398 ]
[Valid(teacher)][50][UTT][ GML = 0.181156 | AML = 0.435082 | MoV = 0.211944 | VoV = 0.001946 ] [SYS][ GML = 0.000000 | AML = 0.035561 | MoV = 0.002450 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.32449766993522644
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.39 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.6335 | LCC = 0.6263 | SRCC = 0.5975 ] [SYS][ MSE = 0.1462 | LCC = 0.9812 | SRCC = 0.9282 ]
[Valid(teacher)][51][UTT][ GML = 0.165249 | AML = 0.428403 | MoV = 0.209210 | VoV = 0.002022 ] [SYS][ GML = 0.000000 | AML = 0.002698 | MoV = 0.002427 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.33022236824035645
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.12 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5911 | LCC = 0.6265 | SRCC = 0.5972 ] [SYS][ MSE = 0.1035 | LCC = 0.9812 | SRCC = 0.9309 ]
[Valid(teacher)][52][UTT][ GML = 0.190679 | AML = 0.439286 | MoV = 0.211942 | VoV = 0.001847 ] [SYS][ GML = 0.000000 | AML = 0.088568 | MoV = 0.002439 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.3457837998867035
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.50 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.6011 | LCC = 0.6253 | SRCC = 0.5961 ] [SYS][ MSE = 0.1129 | LCC = 0.9817 | SRCC = 0.9378 ]
[Valid(teacher)][53][UTT][ GML = 0.182051 | AML = 0.436781 | MoV = 0.208857 | VoV = 0.001849 ] [SYS][ GML = 0.000000 | AML = 0.064322 | MoV = 0.002407 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.34942910075187683
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.90 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5892 | LCC = 0.6261 | SRCC = 0.5969 ] [SYS][ MSE = 0.1003 | LCC = 0.9813 | SRCC = 0.9432 ]
[Valid(teacher)][54][UTT][ GML = 0.186061 | AML = 0.440464 | MoV = 0.207059 | VoV = 0.001856 ] [SYS][ GML = 0.000000 | AML = 0.127212 | MoV = 0.002388 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.3625975251197815
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.66 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.6026 | LCC = 0.6243 | SRCC = 0.5954 ] [SYS][ MSE = 0.1127 | LCC = 0.9815 | SRCC = 0.9432 ]
[Valid(teacher)][55][UTT][ GML = 0.177527 | AML = 0.437010 | MoV = 0.203938 | VoV = 0.001767 ] [SYS][ GML = 0.000000 | AML = 0.041957 | MoV = 0.002353 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3693116009235382
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.92 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5735 | LCC = 0.6244 | SRCC = 0.5956 ] [SYS][ MSE = 0.0828 | LCC = 0.9811 | SRCC = 0.9474 ]
[Valid(teacher)][56][UTT][ GML = 0.192692 | AML = 0.447181 | MoV = 0.203466 | VoV = 0.001665 ] [SYS][ GML = 0.000000 | AML = 0.213021 | MoV = 0.002338 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.37060636281967163
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.83 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5822 | LCC = 0.6242 | SRCC = 0.5957 ] [SYS][ MSE = 0.0900 | LCC = 0.9807 | SRCC = 0.9405 ]
[Valid(teacher)][57][UTT][ GML = 0.184060 | AML = 0.444883 | MoV = 0.200667 | VoV = 0.001685 ] [SYS][ GML = 0.000000 | AML = 0.126022 | MoV = 0.002313 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.38996994495391846
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.59 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5749 | LCC = 0.6261 | SRCC = 0.5979 ] [SYS][ MSE = 0.0849 | LCC = 0.9807 | SRCC = 0.9398 ]
[Valid(teacher)][58][UTT][ GML = 0.186488 | AML = 0.448175 | MoV = 0.198910 | VoV = 0.001608 ] [SYS][ GML = 0.000000 | AML = 0.170635 | MoV = 0.002292 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.3985263109207153
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.82 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5854 | LCC = 0.6259 | SRCC = 0.5976 ] [SYS][ MSE = 0.0957 | LCC = 0.9822 | SRCC = 0.9467 ]
[Valid(teacher)][59][UTT][ GML = 0.178857 | AML = 0.445106 | MoV = 0.196473 | VoV = 0.001647 ] [SYS][ GML = 0.000000 | AML = 0.069502 | MoV = 0.002269 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.41375499963760376
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.98 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5882 | LCC = 0.6251 | SRCC = 0.5968 ] [SYS][ MSE = 0.0968 | LCC = 0.9811 | SRCC = 0.9453 ]
[Valid(teacher)][60][UTT][ GML = 0.173591 | AML = 0.444900 | MoV = 0.194083 | VoV = 0.001684 ] [SYS][ GML = 0.000000 | AML = 0.052112 | MoV = 0.002249 | VoV = 0.000003 ]
Best model performance test:
Test(best):   0% 0/4000 [00:00<?, ? step/s]/home/x_xlian/.conda/envs/lxygpu/lib/python3.8/site-packages/torch/nn/modules/rnn.py:774: UserWarning: RNN module weights are not part of single contiguo
us chunk of memory. This means they need to be compacted at every call, possibly greatly increasing memory usage. To compact weights again call flatten_parameters(). (Triggered internally at ../at
en/src/ATen/native/cudnn/RNN.cpp:968.)
  result = _VF.lstm(input, hx, self._flat_weights, self.bias, self.num_layers,
Test(best): 100% 4000/4000 [00:21<00:00, 184.54 step/s]

[Test(best)][61][UTT][ MSE = 0.7126 | LCC = 0.6372 | SRCC = 0.6053 ] [SYS][ MSE = 0.2445 | LCC = 0.9792 | SRCC = 0.9446 ]
[Test(best)][61][UTT][ GML = 0.146858 | AML = 0.406784 | MoV = 0.223771 | VoV = 0.002526 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.001914 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:20<00:00, 192.19 step/s]

[Test(last)][61][UTT][ MSE = 0.5822 | LCC = 0.6331 | SRCC = 0.6023 ] [SYS][ MSE = 0.0994 | LCC = 0.9772 | SRCC = 0.9576 ]
[Test(last)][61][UTT][ GML = 0.177364 | AML = 0.456551 | MoV = 0.194603 | VoV = 0.001718 ] [SYS][ GML = 0.000000 | AML = 0.325669 | MoV = 0.001647 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node024 ProMOSNet]$
```