```
(lxygpu) [x_xlian@node030 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0 --save_path "runs/c5e-1-t0/run2"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [08:02<00:00, 111.91it/s]
/proj/ihorse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  self.scores['JUDGE'][i] = self.idtable[judge_i]
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████| 3000/3000 [01:45<00:00, 28.41it/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 [02:24<00:00, 27.72it/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=66.5493392944336
Valid(teacher): 100% 3000/3000 [00:17<00:00, 170.54 step/s]

[Valid(teacher)][0][UTT][ MSE = 3.4079 | LCC = 0.4893 | SRCC = 0.4737 ] [SYS][ MSE = 3.2517 | LCC = 0.8226 | SRCC = 0.8393 ]
[Valid(teacher)][0][UTT][ GML = 0.010048 | AML = 0.103305 | MoV = 0.423736 | VoV = 0.006554 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004991 | VoV = 0.000019 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.3148180842399597
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.73 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.1344 | LCC = 0.5661 | SRCC = 0.5255 ] [SYS][ MSE = 0.7274 | LCC = 0.9147 | SRCC = 0.8728 ]
[Valid(teacher)][1][UTT][ GML = 0.159947 | AML = 0.294678 | MoV = 0.475765 | VoV = 0.008819 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005696 | VoV = 0.000027 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.2648935317993164
Valid(teacher): 100% 3000/3000 [00:17<00:00, 175.26 step/s]

[Valid(teacher)][2][UTT][ MSE = 1.0526 | LCC = 0.5893 | SRCC = 0.5418 ] [SYS][ MSE = 0.6044 | LCC = 0.9412 | SRCC = 0.8803 ]
[Valid(teacher)][2][UTT][ GML = 0.158890 | AML = 0.308362 | MoV = 0.438184 | VoV = 0.007548 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.005158 | VoV = 0.000020 ]
Train: 100% 845/845 [03:27<00:00,  4.08 step/s]
Average loss=0.24081821739673615
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.57 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.6545 | LCC = 0.5888 | SRCC = 0.5423 ] [SYS][ MSE = 1.2204 | LCC = 0.9452 | SRCC = 0.8899 ]
[Valid(teacher)][3][UTT][ GML = 0.058215 | AML = 0.226656 | MoV = 0.395417 | VoV = 0.007902 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004672 | VoV = 0.000017 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=0.22160078585147858
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.87 step/s]

[Valid(teacher)][4][UTT][ MSE = 2.0745 | LCC = 0.5913 | SRCC = 0.5484 ] [SYS][ MSE = 1.6777 | LCC = 0.9503 | SRCC = 0.9036 ]
[Valid(teacher)][4][UTT][ GML = 0.028340 | AML = 0.178881 | MoV = 0.368730 | VoV = 0.007466 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004373 | VoV = 0.000016 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.21039524674415588
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.62 step/s]

[Valid(teacher)][5][UTT][ MSE = 1.8163 | LCC = 0.5984 | SRCC = 0.5541 ] [SYS][ MSE = 1.4113 | LCC = 0.9537 | SRCC = 0.8974 ]
[Valid(teacher)][5][UTT][ GML = 0.045266 | AML = 0.205719 | MoV = 0.378067 | VoV = 0.007114 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004456 | VoV = 0.000016 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.19422923028469086
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.40 step/s]

[Valid(teacher)][6][UTT][ MSE = 1.6598 | LCC = 0.6016 | SRCC = 0.5574 ] [SYS][ MSE = 1.2492 | LCC = 0.9575 | SRCC = 0.9036 ]
[Valid(teacher)][6][UTT][ GML = 0.059640 | AML = 0.224211 | MoV = 0.381139 | VoV = 0.006440 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004459 | VoV = 0.000015 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.18157178163528442
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.55 step/s]

[Valid(teacher)][7][UTT][ MSE = 1.6833 | LCC = 0.6043 | SRCC = 0.5614 ] [SYS][ MSE = 1.2717 | LCC = 0.9603 | SRCC = 0.9084 ]
[Valid(teacher)][7][UTT][ GML = 0.056648 | AML = 0.220948 | MoV = 0.374920 | VoV = 0.006252 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004389 | VoV = 0.000015 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.17161785066127777
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.53 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.4486 | LCC = 0.6108 | SRCC = 0.5682 ] [SYS][ MSE = 1.0308 | LCC = 0.9640 | SRCC = 0.9125 ]
[Valid(teacher)][8][UTT][ GML = 0.083229 | AML = 0.251655 | MoV = 0.377873 | VoV = 0.005533 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004383 | VoV = 0.000013 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.15848959982395172
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.17 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.2548 | LCC = 0.6155 | SRCC = 0.5732 ] [SYS][ MSE = 0.8279 | LCC = 0.9663 | SRCC = 0.9207 ]
[Valid(teacher)][9][UTT][ GML = 0.111293 | AML = 0.280481 | MoV = 0.376825 | VoV = 0.004927 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004331 | VoV = 0.000012 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.1517701894044876
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.57 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.1448 | LCC = 0.6210 | SRCC = 0.5802 ] [SYS][ MSE = 0.7157 | LCC = 0.9678 | SRCC = 0.9262 ]
[Valid(teacher)][10][UTT][ GML = 0.129967 | AML = 0.298085 | MoV = 0.373977 | VoV = 0.004607 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004271 | VoV = 0.000011 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.13750314712524414
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.15 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.1170 | LCC = 0.6178 | SRCC = 0.5775 ] [SYS][ MSE = 0.6820 | LCC = 0.9660 | SRCC = 0.9227 ]
[Valid(teacher)][11][UTT][ GML = 0.131567 | AML = 0.304439 | MoV = 0.365056 | VoV = 0.004372 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004152 | VoV = 0.000010 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.13148558139801025
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.14 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.0108 | LCC = 0.6202 | SRCC = 0.5805 ] [SYS][ MSE = 0.5754 | LCC = 0.9643 | SRCC = 0.9125 ]
[Valid(teacher)][12][UTT][ GML = 0.153091 | AML = 0.323596 | MoV = 0.362177 | VoV = 0.004002 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004093 | VoV = 0.000009 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.12256640940904617
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.59 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.9287 | LCC = 0.6251 | SRCC = 0.5862 ] [SYS][ MSE = 0.4950 | LCC = 0.9659 | SRCC = 0.9145 ]
[Valid(teacher)][13][UTT][ GML = 0.173268 | AML = 0.338815 | MoV = 0.360358 | VoV = 0.003807 ] [SYS][ GML = 0.000000 | AML = 0.000007 | MoV = 0.004058 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.11104501038789749
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.79 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.8277 | LCC = 0.6299 | SRCC = 0.5910 ] [SYS][ MSE = 0.3941 | LCC = 0.9674 | SRCC = 0.9179 ]
[Valid(teacher)][14][UTT][ GML = 0.201091 | AML = 0.358405 | MoV = 0.358278 | VoV = 0.003561 ] [SYS][ GML = 0.000000 | AML = 0.000293 | MoV = 0.004016 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.09680026024580002
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.32 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.7234 | LCC = 0.6344 | SRCC = 0.5950 ] [SYS][ MSE = 0.2852 | LCC = 0.9693 | SRCC = 0.9323 ]
[Valid(teacher)][15][UTT][ GML = 0.233758 | AML = 0.380264 | MoV = 0.356091 | VoV = 0.003380 ] [SYS][ GML = 0.000000 | AML = 0.016969 | MoV = 0.003962 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.09380444139242172
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.86 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.7102 | LCC = 0.6353 | SRCC = 0.5962 ] [SYS][ MSE = 0.2730 | LCC = 0.9701 | SRCC = 0.9303 ]
[Valid(teacher)][16][UTT][ GML = 0.235951 | AML = 0.384096 | MoV = 0.349889 | VoV = 0.003300 ] [SYS][ GML = 0.000000 | AML = 0.022053 | MoV = 0.003896 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=0.08324634283781052
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.14 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.6873 | LCC = 0.6364 | SRCC = 0.5976 ] [SYS][ MSE = 0.2496 | LCC = 0.9708 | SRCC = 0.9303 ]
[Valid(teacher)][17][UTT][ GML = 0.241825 | AML = 0.389707 | MoV = 0.344757 | VoV = 0.003294 ] [SYS][ GML = 0.000000 | AML = 0.039860 | MoV = 0.003843 | VoV = 0.000007 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.06811372935771942
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.20 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.6561 | LCC = 0.6360 | SRCC = 0.5971 ] [SYS][ MSE = 0.2146 | LCC = 0.9723 | SRCC = 0.9426 ]
[Valid(teacher)][18][UTT][ GML = 0.251965 | AML = 0.397487 | MoV = 0.339579 | VoV = 0.003056 ] [SYS][ GML = 0.000000 | AML = 0.081160 | MoV = 0.003782 | VoV = 0.000007 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.06471456587314606
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.10 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.6175 | LCC = 0.6386 | SRCC = 0.5993 ] [SYS][ MSE = 0.1770 | LCC = 0.9724 | SRCC = 0.9439 ]
[Valid(teacher)][19][UTT][ GML = 0.266592 | AML = 0.406945 | MoV = 0.336697 | VoV = 0.002941 ] [SYS][ GML = 0.000000 | AML = 0.176699 | MoV = 0.003744 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
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Average loss=0.05347589775919914
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.98 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.6087 | LCC = 0.6398 | SRCC = 0.6008 ] [SYS][ MSE = 0.1687 | LCC = 0.9732 | SRCC = 0.9467 ]
[Valid(teacher)][20][UTT][ GML = 0.268519 | AML = 0.410492 | MoV = 0.331784 | VoV = 0.002828 ] [SYS][ GML = 0.000000 | AML = 0.195369 | MoV = 0.003689 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.04716167598962784
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.26 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.5785 | LCC = 0.6415 | SRCC = 0.6026 ] [SYS][ MSE = 0.1378 | LCC = 0.9748 | SRCC = 0.9487 ]
[Valid(teacher)][21][UTT][ GML = 0.281637 | AML = 0.417979 | MoV = 0.329946 | VoV = 0.002655 ] [SYS][ GML = 0.000000 | AML = 0.280701 | MoV = 0.003669 | VoV = 0.000006 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.0385482572019102
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.54 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.5469 | LCC = 0.6434 | SRCC = 0.6045 ] [SYS][ MSE = 0.1044 | LCC = 0.9761 | SRCC = 0.9453 ]
[Valid(teacher)][22][UTT][ GML = 0.296452 | AML = 0.426132 | MoV = 0.328657 | VoV = 0.002439 ] [SYS][ GML = 0.000001 | AML = 0.405829 | MoV = 0.003653 | VoV = 0.000006 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.02776753529906273
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.63 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.5439 | LCC = 0.6448 | SRCC = 0.6065 ] [SYS][ MSE = 0.1033 | LCC = 0.9770 | SRCC = 0.9453 ]
[Valid(teacher)][23][UTT][ GML = 0.296321 | AML = 0.427432 | MoV = 0.323691 | VoV = 0.002322 ] [SYS][ GML = 0.000001 | AML = 0.321090 | MoV = 0.003601 | VoV = 0.000006 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=0.024010345339775085
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.90 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.5371 | LCC = 0.6448 | SRCC = 0.6062 ] [SYS][ MSE = 0.0947 | LCC = 0.9772 | SRCC = 0.9494 ]
[Valid(teacher)][24][UTT][ GML = 0.298864 | AML = 0.430077 | MoV = 0.319672 | VoV = 0.002137 ] [SYS][ GML = 0.000003 | AML = 0.353614 | MoV = 0.003553 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=0.01289308071136746
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.24 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.5400 | LCC = 0.6443 | SRCC = 0.6062 ] [SYS][ MSE = 0.0985 | LCC = 0.9770 | SRCC = 0.9508 ]
[Valid(teacher)][25][UTT][ GML = 0.295168 | AML = 0.430130 | MoV = 0.314091 | VoV = 0.002120 ] [SYS][ GML = 0.000001 | AML = 0.270267 | MoV = 0.003503 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=0.007779755163937807
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.84 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.5377 | LCC = 0.6446 | SRCC = 0.6061 ] [SYS][ MSE = 0.0964 | LCC = 0.9775 | SRCC = 0.9474 ]
[Valid(teacher)][26][UTT][ GML = 0.294056 | AML = 0.431831 | MoV = 0.309040 | VoV = 0.002102 ] [SYS][ GML = 0.000001 | AML = 0.242034 | MoV = 0.003455 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.0025985436514019966
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.95 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.5495 | LCC = 0.6440 | SRCC = 0.6061 ] [SYS][ MSE = 0.1077 | LCC = 0.9775 | SRCC = 0.9467 ]
[Valid(teacher)][27][UTT][ GML = 0.285400 | AML = 0.430778 | MoV = 0.302820 | VoV = 0.002053 ] [SYS][ GML = 0.000000 | AML = 0.231834 | MoV = 0.003391 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.0007312612142413855
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.64 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5455 | LCC = 0.6444 | SRCC = 0.6063 ] [SYS][ MSE = 0.1042 | LCC = 0.9774 | SRCC = 0.9474 ]
[Valid(teacher)][28][UTT][ GML = 0.285880 | AML = 0.432166 | MoV = 0.300332 | VoV = 0.002061 ] [SYS][ GML = 0.000000 | AML = 0.228223 | MoV = 0.003367 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.017406092956662178
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.76 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5291 | LCC = 0.6444 | SRCC = 0.6067 ] [SYS][ MSE = 0.0854 | LCC = 0.9777 | SRCC = 0.9460 ]
[Valid(teacher)][29][UTT][ GML = 0.293129 | AML = 0.437340 | MoV = 0.297188 | VoV = 0.001965 ] [SYS][ GML = 0.000006 | AML = 0.283703 | MoV = 0.003326 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.02473497949540615
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.64 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5303 | LCC = 0.6443 | SRCC = 0.6070 ] [SYS][ MSE = 0.0872 | LCC = 0.9773 | SRCC = 0.9460 ]
[Valid(teacher)][30][UTT][ GML = 0.290405 | AML = 0.437711 | MoV = 0.291877 | VoV = 0.001845 ] [SYS][ GML = 0.000004 | AML = 0.247251 | MoV = 0.003272 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.026569528505206108
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.86 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5261 | LCC = 0.6444 | SRCC = 0.6078 ] [SYS][ MSE = 0.0835 | LCC = 0.9761 | SRCC = 0.9460 ]
[Valid(teacher)][31][UTT][ GML = 0.291367 | AML = 0.439704 | MoV = 0.288713 | VoV = 0.001742 ] [SYS][ GML = 0.000007 | AML = 0.327254 | MoV = 0.003240 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.03362937644124031
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.50 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5155 | LCC = 0.6443 | SRCC = 0.6078 ] [SYS][ MSE = 0.0731 | LCC = 0.9767 | SRCC = 0.9446 ]
[Valid(teacher)][32][UTT][ GML = 0.296927 | AML = 0.442662 | MoV = 0.287304 | VoV = 0.001664 ] [SYS][ GML = 0.000049 | AML = 0.571792 | MoV = 0.003220 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.04528537765145302
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.91 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5041 | LCC = 0.6452 | SRCC = 0.6086 ] [SYS][ MSE = 0.0608 | LCC = 0.9766 | SRCC = 0.9439 ]
[Valid(teacher)][33][UTT][ GML = 0.301808 | AML = 0.447014 | MoV = 0.284256 | VoV = 0.001666 ] [SYS][ GML = 0.000429 | AML = 1.212677 | MoV = 0.003186 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.05008979141712189
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.27 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5027 | LCC = 0.6432 | SRCC = 0.6069 ] [SYS][ MSE = 0.0565 | LCC = 0.9772 | SRCC = 0.9446 ]
[Valid(teacher)][34][UTT][ GML = 0.301547 | AML = 0.447941 | MoV = 0.281073 | VoV = 0.001548 ] [SYS][ GML = 0.000885 | AML = 1.351776 | MoV = 0.003152 | VoV = 0.000005 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.05909504741430282826
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.67 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5011 | LCC = 0.6428 | SRCC = 0.6065 ] [SYS][ MSE = 0.0524 | LCC = 0.9778 | SRCC = 0.9446 ]
[Valid(teacher)][35][UTT][ GML = 0.300859 | AML = 0.449798 | MoV = 0.277773 | VoV = 0.001518 ] [SYS][ GML = 0.001512 | AML = 1.469152 | MoV = 0.003117 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.0681694746017456
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.34 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.4947 | LCC = 0.6417 | SRCC = 0.6063 ] [SYS][ MSE = 0.0448 | LCC = 0.9769 | SRCC = 0.9446 ]
[Valid(teacher)][36][UTT][ GML = 0.303411 | AML = 0.452844 | MoV = 0.274313 | VoV = 0.001408 ] [SYS][ GML = 0.006543 | AML = 1.927833 | MoV = 0.003080 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.07271257787942886
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.89 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5031 | LCC = 0.6386 | SRCC = 0.6031 ] [SYS][ MSE = 0.0504 | LCC = 0.9769 | SRCC = 0.9446 ]
[Valid(teacher)][37][UTT][ GML = 0.295804 | AML = 0.451574 | MoV = 0.269343 | VoV = 0.001360 ] [SYS][ GML = 0.001998 | AML = 1.650018 | MoV = 0.003034 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.0780357569456105
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.64 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.4983 | LCC = 0.6384 | SRCC = 0.6029 ] [SYS][ MSE = 0.0461 | LCC = 0.9767 | SRCC = 0.9487 ]
[Valid(teacher)][38][UTT][ GML = 0.298027 | AML = 0.453496 | MoV = 0.267176 | VoV = 0.001255 ] [SYS][ GML = 0.004562 | AML = 1.655180 | MoV = 0.003010 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=-0.08723840117454529
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.54 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5094 | LCC = 0.6385 | SRCC = 0.6028 ] [SYS][ MSE = 0.0569 | LCC = 0.9781 | SRCC = 0.9446 ]
[Valid(teacher)][39][UTT][ GML = 0.288814 | AML = 0.451412 | MoV = 0.262595 | VoV = 0.001228 ] [SYS][ GML = 0.000466 | AML = 1.019873 | MoV = 0.002962 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.10220171511173248
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.83 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5313 | LCC = 0.6364 | SRCC = 0.6003 ] [SYS][ MSE = 0.0785 | LCC = 0.9775 | SRCC = 0.9515 ]
[Valid(teacher)][40][UTT][ GML = 0.270393 | AML = 0.446866 | MoV = 0.255078 | VoV = 0.001283 ] [SYS][ GML = 0.000004 | AML = 0.542755 | MoV = 0.002889 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.10340666770935059
Valid(teacher): 100% 3000/3000 [00:15<00:00, 187.65 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5087 | LCC = 0.6369 | SRCC = 0.6011 ] [SYS][ MSE = 0.0552 | LCC = 0.9777 | SRCC = 0.9542 ]
[Valid(teacher)][41][UTT][ GML = 0.284257 | AML = 0.453368 | MoV = 0.255034 | VoV = 0.001232 ] [SYS][ GML = 0.000588 | AML = 0.946562 | MoV = 0.002881 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.10 step/s]
Average loss=-0.10775724053382874
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.29 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5092 | LCC = 0.6363 | SRCC = 0.6012 ] [SYS][ MSE = 0.0558 | LCC = 0.9772 | SRCC = 0.9542 ]
[Valid(teacher)][42][UTT][ GML = 0.282019 | AML = 0.454064 | MoV = 0.252028 | VoV = 0.001214 ] [SYS][ GML = 0.000499 | AML = 1.016058 | MoV = 0.002848 | VoV = 0.000004 ]
Train: 100% 845/845 [03:27<00:00,  4.08 step/s]
Average loss=-0.11828762292861938
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.60 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5004 | LCC = 0.6360 | SRCC = 0.6008 ] [SYS][ MSE = 0.0470 | LCC = 0.9773 | SRCC = 0.9528 ]
[Valid(teacher)][43][UTT][ GML = 0.286933 | AML = 0.457868 | MoV = 0.250885 | VoV = 0.001214 ] [SYS][ GML = 0.003521 | AML = 1.510349 | MoV = 0.002832 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.12051107734441757
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.76 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.4914 | LCC = 0.6348 | SRCC = 0.5998 ] [SYS][ MSE = 0.0335 | LCC = 0.9761 | SRCC = 0.9412 ]
[Valid(teacher)][44][UTT][ GML = 0.293430 | AML = 0.461666 | MoV = 0.250410 | VoV = 0.001114 ] [SYS][ GML = 0.045551 | AML = 1.947450 | MoV = 0.002819 | VoV = 0.000004 ]
Train: 100% 845/845 [03:27<00:00,  4.08 step/s]
Average loss=-0.12957225739955902
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.29 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.4956 | LCC = 0.6346 | SRCC = 0.5992 ] [SYS][ MSE = 0.0364 | LCC = 0.9771 | SRCC = 0.9487 ]
[Valid(teacher)][45][UTT][ GML = 0.286974 | AML = 0.461523 | MoV = 0.245405 | VoV = 0.001154 ] [SYS][ GML = 0.021739 | AML = 1.882286 | MoV = 0.002768 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.1370672583580017
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.78 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.4935 | LCC = 0.6346 | SRCC = 0.5997 ] [SYS][ MSE = 0.0344 | LCC = 0.9773 | SRCC = 0.9474 ]
[Valid(teacher)][46][UTT][ GML = 0.286571 | AML = 0.463272 | MoV = 0.242174 | VoV = 0.001066 ] [SYS][ GML = 0.030542 | AML = 1.794206 | MoV = 0.002729 | VoV = 0.000004 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.1422550529241562
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.82 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.4872 | LCC = 0.6350 | SRCC = 0.6002 ] [SYS][ MSE = 0.0295 | LCC = 0.9761 | SRCC = 0.9487 ]
[Valid(teacher)][47][UTT][ GML = 0.289893 | AML = 0.466407 | MoV = 0.240327 | VoV = 0.001011 ] [SYS][ GML = 0.082993 | AML = 2.154611 | MoV = 0.002704 | VoV = 0.000003 ]
Train: 100% 845/845 [03:27<00:00,  4.08 step/s]
Average loss=-0.15464664995670319
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.07 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.4912 | LCC = 0.6327 | SRCC = 0.5977 ] [SYS][ MSE = 0.0324 | LCC = 0.9768 | SRCC = 0.9569 ]
[Valid(teacher)][48][UTT][ GML = 0.283229 | AML = 0.465996 | MoV = 0.234496 | VoV = 0.000973 ] [SYS][ GML = 0.046724 | AML = 1.893631 | MoV = 0.002644 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.1517448127269745
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.33 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.4892 | LCC = 0.6333 | SRCC = 0.5986 ] [SYS][ MSE = 0.0302 | LCC = 0.9769 | SRCC = 0.9508 ]
[Valid(teacher)][49][UTT][ GML = 0.284637 | AML = 0.466428 | MoV = 0.233896 | VoV = 0.000925 ] [SYS][ GML = 0.068054 | AML = 2.016256 | MoV = 0.002633 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.1617518663406372
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.77 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.4875 | LCC = 0.6327 | SRCC = 0.5982 ] [SYS][ MSE = 0.0291 | LCC = 0.9764 | SRCC = 0.9508 ]
[Valid(teacher)][50][UTT][ GML = 0.284257 | AML = 0.468274 | MoV = 0.231276 | VoV = 0.000861 ] [SYS][ GML = 0.090755 | AML = 2.260864 | MoV = 0.002601 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.16707299649715424
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.97 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.4863 | LCC = 0.6315 | SRCC = 0.5964 ] [SYS][ MSE = 0.0266 | LCC = 0.9766 | SRCC = 0.9508 ]
[Valid(teacher)][51][UTT][ GML = 0.284236 | AML = 0.470159 | MoV = 0.229455 | VoV = 0.000845 ] [SYS][ GML = 0.140634 | AML = 2.835578 | MoV = 0.002581 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.17461605370044708
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.45 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.4881 | LCC = 0.6319 | SRCC = 0.5971 ] [SYS][ MSE = 0.0276 | LCC = 0.9769 | SRCC = 0.9508 ]
[Valid(teacher)][52][UTT][ GML = 0.279796 | AML = 0.471032 | MoV = 0.225913 | VoV = 0.000854 ] [SYS][ GML = 0.110442 | AML = 2.532103 | MoV = 0.002541 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.1834741234779358
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.14 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.4885 | LCC = 0.6308 | SRCC = 0.5961 ] [SYS][ MSE = 0.0240 | LCC = 0.9773 | SRCC = 0.9549 ]
[Valid(teacher)][53][UTT][ GML = 0.278869 | AML = 0.471484 | MoV = 0.224216 | VoV = 0.000841 ] [SYS][ GML = 0.178268 | AML = 3.159591 | MoV = 0.002517 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.18679510056972504
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.64 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.4907 | LCC = 0.6297 | SRCC = 0.5958 ] [SYS][ MSE = 0.0235 | LCC = 0.9763 | SRCC = 0.9508 ]
[Valid(teacher)][54][UTT][ GML = 0.276682 | AML = 0.471367 | MoV = 0.222914 | VoV = 0.000814 ] [SYS][ GML = 0.169163 | AML = 3.533323 | MoV = 0.002502 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.18692180514335632
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.07 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.4921 | LCC = 0.6298 | SRCC = 0.5960 ] [SYS][ MSE = 0.0240 | LCC = 0.9775 | SRCC = 0.9549 ]
[Valid(teacher)][55][UTT][ GML = 0.272497 | AML = 0.471901 | MoV = 0.219629 | VoV = 0.000792 ] [SYS][ GML = 0.161951 | AML = 2.990441 | MoV = 0.002470 | VoV = 0.000003 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.20461757481098175
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.86 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.4923 | LCC = 0.6290 | SRCC = 0.5955 ] [SYS][ MSE = 0.0225 | LCC = 0.9780 | SRCC = 0.9528 ]
[Valid(teacher)][56][UTT][ GML = 0.269646 | AML = 0.473106 | MoV = 0.215592 | VoV = 0.000725 ] [SYS][ GML = 0.180153 | AML = 3.356320 | MoV = 0.002420 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.2100985199213028
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.55 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.4931 | LCC = 0.6282 | SRCC = 0.5946 ] [SYS][ MSE = 0.0222 | LCC = 0.9776 | SRCC = 0.9528 ]
[Valid(teacher)][57][UTT][ GML = 0.266723 | AML = 0.475058 | MoV = 0.212498 | VoV = 0.000710 ] [SYS][ GML = 0.163898 | AML = 3.644750 | MoV = 0.002386 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.12 step/s]
Average loss=-0.21172915399074554
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.42 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4941 | LCC = 0.6284 | SRCC = 0.5952 ] [SYS][ MSE = 0.0225 | LCC = 0.9775 | SRCC = 0.9549 ]
[Valid(teacher)][58][UTT][ GML = 0.265687 | AML = 0.474954 | MoV = 0.211554 | VoV = 0.000714 ] [SYS][ GML = 0.120393 | AML = 3.903023 | MoV = 0.002376 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.10 step/s]
Average loss=-0.21889278292655945
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.71 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4941 | LCC = 0.6279 | SRCC = 0.5945 ] [SYS][ MSE = 0.0228 | LCC = 0.9772 | SRCC = 0.9528 ]
[Valid(teacher)][59][UTT][ GML = 0.263232 | AML = 0.475568 | MoV = 0.208653 | VoV = 0.000688 ] [SYS][ GML = 0.106667 | AML = 3.863952 | MoV = 0.002339 | VoV = 0.000003 ]
Train: 100% 845/845 [03:26<00:00,  4.09 step/s]
Average loss=-0.22766368091106415
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.41 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4934 | LCC = 0.6283 | SRCC = 0.5956 ] [SYS][ MSE = 0.0227 | LCC = 0.9772 | SRCC = 0.9528 ]
[Valid(teacher)][60][UTT][ GML = 0.261986 | AML = 0.475944 | MoV = 0.206643 | VoV = 0.000643 ] [SYS][ GML = 0.113849 | AML = 3.835758 | MoV = 0.002320 | 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 [00:22<00:00, 181.09 step/s]

[Test(best)][61][UTT][ MSE = 0.4864 | LCC = 0.6586 | SRCC = 0.6251 ] [SYS][ MSE = 0.0454 | LCC = 0.9823 | SRCC = 0.9535 ]
[Test(best)][61][UTT][ GML = 0.311776 | AML = 0.456221 | MoV = 0.284142 | VoV = 0.001704 ] [SYS][ GML = 0.001086 | AML = 1.301610 | MoV = 0.002322 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:20<00:00, 195.21 step/s]

[Test(last)][61][UTT][ MSE = 0.4896 | LCC = 0.6417 | SRCC = 0.6134 ] [SYS][ MSE = 0.0244 | LCC = 0.9762 | SRCC = 0.9501 ]
[Test(last)][61][UTT][ GML = 0.265710 | AML = 0.475790 | MoV = 0.206983 | VoV = 0.000684 ] [SYS][ GML = 0.032475 | AML = 2.697886 | MoV = 0.001697 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node030 ProMOSNet]$ client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-MBA ProMOSNet %
```