```
(lxygpu) [x_xlian@node032 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0.25 --save_path "run8/"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:51<00:00, 114.73it/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, 28.88it/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 [02:22<00:00, 28.14it/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 [03:24<00:00,  4.13 step/s]
Average loss=522.1119384765625
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.83 step/s]

[Valid(teacher)][0][UTT][ MSE = 0.6728 | LCC = 0.5089 | SRCC = 0.4865 ] [SYS][ MSE = 0.3052 | LCC = 0.8223 | SRCC = 0.8434 ]
[Valid(teacher)][0][UTT][ GML = 0.293733 | AML = 0.342111 | MoV = 0.654536 | VoV = 0.007418 ] [SYS][ GML = 0.000001 | AML = 0.638358 | MoV = 0.007553 | VoV = 0.000037 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.3741486966609955
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.83 step/s]

[Valid(teacher)][1][UTT][ MSE = 0.6668 | LCC = 0.5655 | SRCC = 0.5314 ] [SYS][ MSE = 0.2628 | LCC = 0.8914 | SRCC = 0.8735 ]
[Valid(teacher)][1][UTT][ GML = 0.285704 | AML = 0.359209 | MoV = 0.534106 | VoV = 0.007328 ] [SYS][ GML = 0.000000 | AML = 0.514368 | MoV = 0.006278 | VoV = 0.000030 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.3173721730709076
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.59 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.6932 | LCC = 0.5869 | SRCC = 0.5460 ] [SYS][ MSE = 0.2736 | LCC = 0.9254 | SRCC = 0.8639 ]
[Valid(teacher)][2][UTT][ GML = 0.272841 | AML = 0.361898 | MoV = 0.493098 | VoV = 0.005851 ] [SYS][ GML = 0.000000 | AML = 0.425576 | MoV = 0.005737 | VoV = 0.000023 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2849266231060028
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.62 step/s]

[Valid(teacher)][3][UTT][ MSE = 1.5095 | LCC = 0.5992 | SRCC = 0.5539 ] [SYS][ MSE = 1.1732 | LCC = 0.9409 | SRCC = 0.8694 ]
[Valid(teacher)][3][UTT][ GML = 0.083463 | AML = 0.241945 | MoV = 0.396015 | VoV = 0.006961 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004708 | VoV = 0.000019 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.25961512327194214
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.02 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.9383 | LCC = 0.6079 | SRCC = 0.5696 ] [SYS][ MSE = 0.5542 | LCC = 0.9483 | SRCC = 0.8879 ]
[Valid(teacher)][4][UTT][ GML = 0.196895 | AML = 0.328111 | MoV = 0.427457 | VoV = 0.004809 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004949 | VoV = 0.000016 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.2384295016527176
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.17 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.9844 | LCC = 0.6112 | SRCC = 0.5736 ] [SYS][ MSE = 0.6019 | LCC = 0.9526 | SRCC = 0.8899 ]
[Valid(teacher)][5][UTT][ GML = 0.183873 | AML = 0.321295 | MoV = 0.418523 | VoV = 0.004655 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004862 | VoV = 0.000016 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.22438320517539978
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.48 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.8606 | LCC = 0.6156 | SRCC = 0.5795 ] [SYS][ MSE = 0.4655 | LCC = 0.9562 | SRCC = 0.8961 ]
[Valid(teacher)][6][UTT][ GML = 0.216007 | AML = 0.342444 | MoV = 0.422041 | VoV = 0.004357 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004863 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.20750662684440613
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.86 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.7610 | LCC = 0.6201 | SRCC = 0.5843 ] [SYS][ MSE = 0.3547 | LCC = 0.9598 | SRCC = 0.9022 ]
[Valid(teacher)][7][UTT][ GML = 0.243625 | AML = 0.360773 | MoV = 0.420866 | VoV = 0.004184 ] [SYS][ GML = 0.000000 | AML = 0.000029 | MoV = 0.004820 | VoV = 0.000014 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.19439585506916046
Valid(teacher): 100% 3000/3000 [00:15<00:00, 191.15 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.6211 | LCC = 0.6292 | SRCC = 0.5910 ] [SYS][ MSE = 0.1983 | LCC = 0.9653 | SRCC = 0.9036 ]
[Valid(teacher)][8][UTT][ GML = 0.290484 | AML = 0.387693 | MoV = 0.426321 | VoV = 0.003819 ] [SYS][ GML = 0.000000 | AML = 0.030335 | MoV = 0.004799 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.1805897057056427
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.30 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.5014 | LCC = 0.6380 | SRCC = 0.5974 ] [SYS][ MSE = 0.0653 | LCC = 0.9700 | SRCC = 0.9077 ]
[Valid(teacher)][9][UTT][ GML = 0.337974 | AML = 0.412970 | MoV = 0.431885 | VoV = 0.003156 ] [SYS][ GML = 0.007778 | AML = 1.444632 | MoV = 0.004764 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.1638905555009842
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.15 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.4862 | LCC = 0.6395 | SRCC = 0.5997 ] [SYS][ MSE = 0.0426 | LCC = 0.9704 | SRCC = 0.9084 ]
[Valid(teacher)][10][UTT][ GML = 0.344402 | AML = 0.418358 | MoV = 0.425369 | VoV = 0.002926 ] [SYS][ GML = 0.074804 | AML = 1.277383 | MoV = 0.004645 | VoV = 0.000008 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.15245066583156586
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.40 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.4785 | LCC = 0.6402 | SRCC = 0.6014 ] [SYS][ MSE = 0.0291 | LCC = 0.9698 | SRCC = 0.9166 ]
[Valid(teacher)][11][UTT][ GML = 0.347550 | AML = 0.422506 | MoV = 0.417910 | VoV = 0.002804 ] [SYS][ GML = 0.254196 | AML = 1.701536 | MoV = 0.004532 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.13821369409561157
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.89 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.4819 | LCC = 0.6442 | SRCC = 0.6063 ] [SYS][ MSE = 0.0380 | LCC = 0.9723 | SRCC = 0.9275 ]
[Valid(teacher)][12][UTT][ GML = 0.344552 | AML = 0.424521 | MoV = 0.407171 | VoV = 0.002785 ] [SYS][ GML = 0.096431 | AML = 1.347623 | MoV = 0.004437 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.12399794906377792
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.49 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.4816 | LCC = 0.6434 | SRCC = 0.6061 ] [SYS][ MSE = 0.0341 | LCC = 0.9720 | SRCC = 0.9282 ]
[Valid(teacher)][13][UTT][ GML = 0.343729 | AML = 0.426722 | MoV = 0.399173 | VoV = 0.002740 ] [SYS][ GML = 0.129367 | AML = 1.510427 | MoV = 0.004354 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.11143463104963303
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.89 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.4831 | LCC = 0.6431 | SRCC = 0.6062 ] [SYS][ MSE = 0.0341 | LCC = 0.9728 | SRCC = 0.9282 ]
[Valid(teacher)][14][UTT][ GML = 0.342087 | AML = 0.428631 | MoV = 0.390513 | VoV = 0.002688 ] [SYS][ GML = 0.113774 | AML = 1.503751 | MoV = 0.004253 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.10054641216993332
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.20 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.4789 | LCC = 0.6437 | SRCC = 0.6071 ] [SYS][ MSE = 0.0257 | LCC = 0.9739 | SRCC = 0.9289 ]
[Valid(teacher)][15][UTT][ GML = 0.343666 | AML = 0.431348 | MoV = 0.384534 | VoV = 0.002523 ] [SYS][ GML = 0.267272 | AML = 1.688683 | MoV = 0.004179 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.08865229785442352
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.68 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.4814 | LCC = 0.6421 | SRCC = 0.6057 ] [SYS][ MSE = 0.0243 | LCC = 0.9746 | SRCC = 0.9350 ]
[Valid(teacher)][16][UTT][ GML = 0.341150 | AML = 0.432554 | MoV = 0.377179 | VoV = 0.002511 ] [SYS][ GML = 0.294762 | AML = 1.748757 | MoV = 0.004098 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.07206956297159195
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.25 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.4844 | LCC = 0.6408 | SRCC = 0.6057 ] [SYS][ MSE = 0.0218 | LCC = 0.9733 | SRCC = 0.9323 ]
[Valid(teacher)][17][UTT][ GML = 0.338573 | AML = 0.434394 | MoV = 0.369629 | VoV = 0.002492 ] [SYS][ GML = 0.314728 | AML = 1.894627 | MoV = 0.003997 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.06152144819498062
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.62 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.4903 | LCC = 0.6384 | SRCC = 0.6031 ] [SYS][ MSE = 0.0213 | LCC = 0.9730 | SRCC = 0.9309 ]
[Valid(teacher)][18][UTT][ GML = 0.334689 | AML = 0.435303 | MoV = 0.362408 | VoV = 0.002372 ] [SYS][ GML = 0.260405 | AML = 2.342754 | MoV = 0.003914 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.05168153345584694
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.04 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.4913 | LCC = 0.6375 | SRCC = 0.6028 ] [SYS][ MSE = 0.0210 | LCC = 0.9741 | SRCC = 0.9344 ]
[Valid(teacher)][19][UTT][ GML = 0.332323 | AML = 0.437014 | MoV = 0.355829 | VoV = 0.002355 ] [SYS][ GML = 0.316582 | AML = 1.866731 | MoV = 0.003856 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
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Average loss=0.03796163573861122
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.36 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.4947 | LCC = 0.6367 | SRCC = 0.6027 ] [SYS][ MSE = 0.0215 | LCC = 0.9745 | SRCC = 0.9316 ]
[Valid(teacher)][20][UTT][ GML = 0.328312 | AML = 0.438326 | MoV = 0.348089 | VoV = 0.002412 ] [SYS][ GML = 0.285094 | AML = 1.790856 | MoV = 0.003778 | VoV = 0.000005 ]
Train: 100% 845/845 [03:25<00:00,  4.12 step/s]
Average loss=0.029621919617056847
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.77 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.4974 | LCC = 0.6363 | SRCC = 0.6034 ] [SYS][ MSE = 0.0209 | LCC = 0.9735 | SRCC = 0.9309 ]
[Valid(teacher)][21][UTT][ GML = 0.326175 | AML = 0.439057 | MoV = 0.343243 | VoV = 0.002334 ] [SYS][ GML = 0.244303 | AML = 2.298335 | MoV = 0.003718 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.013696970418095589
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.25 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.5015 | LCC = 0.6356 | SRCC = 0.6034 ] [SYS][ MSE = 0.0213 | LCC = 0.9736 | SRCC = 0.9323 ]
[Valid(teacher)][22][UTT][ GML = 0.322459 | AML = 0.439584 | MoV = 0.336317 | VoV = 0.002309 ] [SYS][ GML = 0.208243 | AML = 2.591934 | MoV = 0.003640 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.001667825854383409
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.00 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.5140 | LCC = 0.6331 | SRCC = 0.6022 ] [SYS][ MSE = 0.0270 | LCC = 0.9717 | SRCC = 0.9303 ]
[Valid(teacher)][23][UTT][ GML = 0.314419 | AML = 0.438073 | MoV = 0.329439 | VoV = 0.002259 ] [SYS][ GML = 0.055634 | AML = 3.200808 | MoV = 0.003561 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.008701262064278126
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.75 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.5325 | LCC = 0.6307 | SRCC = 0.6010 ] [SYS][ MSE = 0.0392 | LCC = 0.9686 | SRCC = 0.9316 ]
[Valid(teacher)][24][UTT][ GML = 0.303324 | AML = 0.434739 | MoV = 0.322362 | VoV = 0.002209 ] [SYS][ GML = 0.004167 | AML = 2.695229 | MoV = 0.003475 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.021253637969493866
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.93 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.5220 | LCC = 0.6311 | SRCC = 0.6007 ] [SYS][ MSE = 0.0301 | LCC = 0.9694 | SRCC = 0.9296 ]
[Valid(teacher)][25][UTT][ GML = 0.306224 | AML = 0.438474 | MoV = 0.316192 | VoV = 0.002158 ] [SYS][ GML = 0.027238 | AML = 3.061016 | MoV = 0.003421 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.032329075038433075
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.31 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.5370 | LCC = 0.6292 | SRCC = 0.5996 ] [SYS][ MSE = 0.0395 | LCC = 0.9672 | SRCC = 0.9344 ]
[Valid(teacher)][26][UTT][ GML = 0.296550 | AML = 0.436555 | MoV = 0.310053 | VoV = 0.002176 ] [SYS][ GML = 0.003399 | AML = 2.720401 | MoV = 0.003347 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.04752339795231819
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.82 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.5276 | LCC = 0.6303 | SRCC = 0.6001 ] [SYS][ MSE = 0.0313 | LCC = 0.9693 | SRCC = 0.9391 ]
[Valid(teacher)][27][UTT][ GML = 0.298579 | AML = 0.440639 | MoV = 0.303952 | VoV = 0.002144 ] [SYS][ GML = 0.018736 | AML = 3.015732 | MoV = 0.003291 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.05853321775794029
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.12 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5244 | LCC = 0.6319 | SRCC = 0.6015 ] [SYS][ MSE = 0.0276 | LCC = 0.9703 | SRCC = 0.9378 ]
[Valid(teacher)][28][UTT][ GML = 0.296590 | AML = 0.443586 | MoV = 0.296199 | VoV = 0.002119 ] [SYS][ GML = 0.037320 | AML = 2.923678 | MoV = 0.003221 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.0657346099615097
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.37 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5283 | LCC = 0.6302 | SRCC = 0.6000 ] [SYS][ MSE = 0.0290 | LCC = 0.9698 | SRCC = 0.9398 ]
[Valid(teacher)][29][UTT][ GML = 0.292832 | AML = 0.443771 | MoV = 0.292702 | VoV = 0.002141 ] [SYS][ GML = 0.027811 | AML = 2.856779 | MoV = 0.003186 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.08453310281038284
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.90 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5281 | LCC = 0.6304 | SRCC = 0.5997 ] [SYS][ MSE = 0.0276 | LCC = 0.9702 | SRCC = 0.9453 ]
[Valid(teacher)][30][UTT][ GML = 0.289395 | AML = 0.445123 | MoV = 0.285896 | VoV = 0.002077 ] [SYS][ GML = 0.033481 | AML = 2.945038 | MoV = 0.003122 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.08443189412355423
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.88 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5213 | LCC = 0.6319 | SRCC = 0.6005 ] [SYS][ MSE = 0.0231 | LCC = 0.9723 | SRCC = 0.9549 ]
[Valid(teacher)][31][UTT][ GML = 0.289782 | AML = 0.448524 | MoV = 0.280982 | VoV = 0.002098 ] [SYS][ GML = 0.086502 | AML = 2.751448 | MoV = 0.003078 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.0970713421702385
Valid(teacher): 100% 3000/3000 [00:15<00:00, 187.60 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5166 | LCC = 0.6314 | SRCC = 0.5993 ] [SYS][ MSE = 0.0210 | LCC = 0.9739 | SRCC = 0.9562 ]
[Valid(teacher)][32][UTT][ GML = 0.289532 | AML = 0.451124 | MoV = 0.277453 | VoV = 0.002049 ] [SYS][ GML = 0.173351 | AML = 1.923106 | MoV = 0.003049 | VoV = 0.000004 ]
Train: 100% 845/845 [03:25<00:00,  4.11 step/s]
Average loss=-0.10870008915662766
Valid(teacher): 100% 3000/3000 [00:15<00:00, 187.60 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5188 | LCC = 0.6308 | SRCC = 0.5992 ] [SYS][ MSE = 0.0203 | LCC = 0.9747 | SRCC = 0.9617 ]
[Valid(teacher)][33][UTT][ GML = 0.286120 | AML = 0.451554 | MoV = 0.273236 | VoV = 0.002011 ] [SYS][ GML = 0.193612 | AML = 2.234560 | MoV = 0.003003 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.12625733017921448
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.53 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5184 | LCC = 0.6313 | SRCC = 0.5997 ] [SYS][ MSE = 0.0201 | LCC = 0.9754 | SRCC = 0.9583 ]
[Valid(teacher)][34][UTT][ GML = 0.282556 | AML = 0.453293 | MoV = 0.267550 | VoV = 0.001997 ] [SYS][ GML = 0.202087 | AML = 2.210670 | MoV = 0.002947 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.12115032225847244
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.40 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5184 | LCC = 0.6318 | SRCC = 0.6006 ] [SYS][ MSE = 0.0197 | LCC = 0.9752 | SRCC = 0.9603 ]
[Valid(teacher)][35][UTT][ GML = 0.283224 | AML = 0.453503 | MoV = 0.266980 | VoV = 0.001988 ] [SYS][ GML = 0.184101 | AML = 2.721771 | MoV = 0.002936 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.13694997131824493
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.93 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5211 | LCC = 0.6327 | SRCC = 0.6022 ] [SYS][ MSE = 0.0219 | LCC = 0.9740 | SRCC = 0.9610 ]
[Valid(teacher)][36][UTT][ GML = 0.280008 | AML = 0.454461 | MoV = 0.263298 | VoV = 0.001982 ] [SYS][ GML = 0.097098 | AML = 3.091258 | MoV = 0.002897 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.141701802611351
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.07 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5176 | LCC = 0.6338 | SRCC = 0.6028 ] [SYS][ MSE = 0.0192 | LCC = 0.9759 | SRCC = 0.9583 ]
[Valid(teacher)][37][UTT][ GML = 0.277353 | AML = 0.457328 | MoV = 0.258519 | VoV = 0.002057 ] [SYS][ GML = 0.194471 | AML = 2.590527 | MoV = 0.002862 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.14996927976608276
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.61 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5223 | LCC = 0.6322 | SRCC = 0.6023 ] [SYS][ MSE = 0.0208 | LCC = 0.9744 | SRCC = 0.9603 ]
[Valid(teacher)][38][UTT][ GML = 0.272567 | AML = 0.457472 | MoV = 0.254640 | VoV = 0.001981 ] [SYS][ GML = 0.120518 | AML = 2.969406 | MoV = 0.002819 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.16322290897369385
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.64 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5198 | LCC = 0.6328 | SRCC = 0.6023 ] [SYS][ MSE = 0.0195 | LCC = 0.9759 | SRCC = 0.9638 ]
[Valid(teacher)][39][UTT][ GML = 0.269190 | AML = 0.460658 | MoV = 0.250501 | VoV = 0.002011 ] [SYS][ GML = 0.188194 | AML = 2.275637 | MoV = 0.002780 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.169236958026886
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.93 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5201 | LCC = 0.6340 | SRCC = 0.6030 ] [SYS][ MSE = 0.0238 | LCC = 0.9770 | SRCC = 0.9665 ]
[Valid(teacher)][40][UTT][ GML = 0.264729 | AML = 0.462393 | MoV = 0.246882 | VoV = 0.002035 ] [SYS][ GML = 0.077231 | AML = 1.908720 | MoV = 0.002750 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.1810934692621231
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.74 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5203 | LCC = 0.6341 | SRCC = 0.6037 ] [SYS][ MSE = 0.0208 | LCC = 0.9755 | SRCC = 0.9610 ]
[Valid(teacher)][41][UTT][ GML = 0.263055 | AML = 0.463608 | MoV = 0.243652 | VoV = 0.002007 ] [SYS][ GML = 0.123281 | AML = 2.448533 | MoV = 0.002711 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.18770159780979156
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.44 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5219 | LCC = 0.6338 | SRCC = 0.6036 ] [SYS][ MSE = 0.0208 | LCC = 0.9766 | SRCC = 0.9651 ]
[Valid(teacher)][42][UTT][ GML = 0.259201 | AML = 0.463846 | MoV = 0.240517 | VoV = 0.001983 ] [SYS][ GML = 0.108565 | AML = 2.324764 | MoV = 0.002684 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1970304399728775
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.07 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5251 | LCC = 0.6334 | SRCC = 0.6029 ] [SYS][ MSE = 0.0244 | LCC = 0.9762 | SRCC = 0.9597 ]
[Valid(teacher)][43][UTT][ GML = 0.253639 | AML = 0.463222 | MoV = 0.236662 | VoV = 0.001994 ] [SYS][ GML = 0.046755 | AML = 2.024485 | MoV = 0.002643 | VoV = 0.000003 ]
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Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2042175531387329
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.41 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5245 | LCC = 0.6337 | SRCC = 0.6029 ] [SYS][ MSE = 0.0241 | LCC = 0.9759 | SRCC = 0.9597 ]
[Valid(teacher)][44][UTT][ GML = 0.252382 | AML = 0.463467 | MoV = 0.233951 | VoV = 0.001976 ] [SYS][ GML = 0.051580 | AML = 2.100867 | MoV = 0.002610 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2079409658908844
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.72 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5245 | LCC = 0.6330 | SRCC = 0.6029 ] [SYS][ MSE = 0.0212 | LCC = 0.9752 | SRCC = 0.9542 ]
[Valid(teacher)][45][UTT][ GML = 0.253250 | AML = 0.463378 | MoV = 0.234034 | VoV = 0.001987 ] [SYS][ GML = 0.102209 | AML = 2.491625 | MoV = 0.002604 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.1906842440366745
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.44 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5260 | LCC = 0.6328 | SRCC = 0.6034 ] [SYS][ MSE = 0.0203 | LCC = 0.9758 | SRCC = 0.9549 ]
[Valid(teacher)][46][UTT][ GML = 0.249697 | AML = 0.465051 | MoV = 0.230520 | VoV = 0.001927 ] [SYS][ GML = 0.105010 | AML = 2.663737 | MoV = 0.002565 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.23254598677158356
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.98 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5301 | LCC = 0.6311 | SRCC = 0.6025 ] [SYS][ MSE = 0.0209 | LCC = 0.9744 | SRCC = 0.9542 ]
[Valid(teacher)][47][UTT][ GML = 0.248739 | AML = 0.463456 | MoV = 0.229773 | VoV = 0.001851 ] [SYS][ GML = 0.088382 | AML = 2.637706 | MoV = 0.002549 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2394406944513321
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.66 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5302 | LCC = 0.6306 | SRCC = 0.6012 ] [SYS][ MSE = 0.0204 | LCC = 0.9752 | SRCC = 0.9576 ]
[Valid(teacher)][48][UTT][ GML = 0.247112 | AML = 0.463167 | MoV = 0.227729 | VoV = 0.001860 ] [SYS][ GML = 0.104861 | AML = 2.624900 | MoV = 0.002532 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.24554938077926636
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.08 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5299 | LCC = 0.6309 | SRCC = 0.6012 ] [SYS][ MSE = 0.0202 | LCC = 0.9752 | SRCC = 0.9610 ]
[Valid(teacher)][49][UTT][ GML = 0.245371 | AML = 0.463350 | MoV = 0.225693 | VoV = 0.001850 ] [SYS][ GML = 0.104307 | AML = 2.552120 | MoV = 0.002506 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.25269851088523865
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.67 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5315 | LCC = 0.6317 | SRCC = 0.6023 ] [SYS][ MSE = 0.0222 | LCC = 0.9741 | SRCC = 0.9631 ]
[Valid(teacher)][50][UTT][ GML = 0.243370 | AML = 0.463644 | MoV = 0.223829 | VoV = 0.001779 ] [SYS][ GML = 0.055227 | AML = 2.429872 | MoV = 0.002486 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.26184001564979553
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.61 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5304 | LCC = 0.6317 | SRCC = 0.6028 ] [SYS][ MSE = 0.0213 | LCC = 0.9745 | SRCC = 0.9597 ]
[Valid(teacher)][51][UTT][ GML = 0.241065 | AML = 0.464885 | MoV = 0.221003 | VoV = 0.001766 ] [SYS][ GML = 0.064565 | AML = 2.473953 | MoV = 0.002460 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2600579559803009
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.16 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5297 | LCC = 0.6313 | SRCC = 0.6024 ] [SYS][ MSE = 0.0212 | LCC = 0.9740 | SRCC = 0.9562 ]
[Valid(teacher)][52][UTT][ GML = 0.239863 | AML = 0.465302 | MoV = 0.219698 | VoV = 0.001817 ] [SYS][ GML = 0.070835 | AML = 2.375909 | MoV = 0.002449 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2713610827922821
Valid(teacher): 100% 3000/3000 [00:15<00:00, 188.56 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5377 | LCC = 0.6303 | SRCC = 0.6019 ] [SYS][ MSE = 0.0240 | LCC = 0.9736 | SRCC = 0.9562 ]
[Valid(teacher)][53][UTT][ GML = 0.233613 | AML = 0.462557 | MoV = 0.217113 | VoV = 0.001740 ] [SYS][ GML = 0.026758 | AML = 2.501075 | MoV = 0.002415 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.27560389041900635
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.90 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5305 | LCC = 0.6322 | SRCC = 0.6034 ] [SYS][ MSE = 0.0219 | LCC = 0.9744 | SRCC = 0.9562 ]
[Valid(teacher)][54][UTT][ GML = 0.236752 | AML = 0.464686 | MoV = 0.216079 | VoV = 0.001773 ] [SYS][ GML = 0.050934 | AML = 2.566043 | MoV = 0.002409 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2799724042415619
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.88 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5323 | LCC = 0.6305 | SRCC = 0.6011 ] [SYS][ MSE = 0.0224 | LCC = 0.9741 | SRCC = 0.9624 ]
[Valid(teacher)][55][UTT][ GML = 0.233736 | AML = 0.463764 | MoV = 0.214111 | VoV = 0.001754 ] [SYS][ GML = 0.039864 | AML = 2.726838 | MoV = 0.002385 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2876723110675812
Valid(teacher): 100% 3000/3000 [00:16<00:00, 184.80 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5298 | LCC = 0.6299 | SRCC = 0.6003 ] [SYS][ MSE = 0.0200 | LCC = 0.9752 | SRCC = 0.9692 ]
[Valid(teacher)][56][UTT][ GML = 0.231366 | AML = 0.466088 | MoV = 0.211161 | VoV = 0.001756 ] [SYS][ GML = 0.086321 | AML = 2.704419 | MoV = 0.002358 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.29411643743515015
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.49 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5304 | LCC = 0.6298 | SRCC = 0.6000 ] [SYS][ MSE = 0.0202 | LCC = 0.9752 | SRCC = 0.9672 ]
[Valid(teacher)][57][UTT][ GML = 0.229876 | AML = 0.466335 | MoV = 0.209564 | VoV = 0.001754 ] [SYS][ GML = 0.084105 | AML = 2.740752 | MoV = 0.002336 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.30268940329551697
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.35 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5328 | LCC = 0.6300 | SRCC = 0.6004 ] [SYS][ MSE = 0.0214 | LCC = 0.9755 | SRCC = 0.9685 ]
[Valid(teacher)][58][UTT][ GML = 0.227480 | AML = 0.466364 | MoV = 0.207897 | VoV = 0.001683 ] [SYS][ GML = 0.052921 | AML = 2.818389 | MoV = 0.002320 | VoV = 0.000002 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.3105975389480591
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.33 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5352 | LCC = 0.6288 | SRCC = 0.5993 ] [SYS][ MSE = 0.0219 | LCC = 0.9757 | SRCC = 0.9692 ]
[Valid(teacher)][59][UTT][ GML = 0.224875 | AML = 0.466274 | MoV = 0.205934 | VoV = 0.001664 ] [SYS][ GML = 0.042112 | AML = 2.924620 | MoV = 0.002295 | VoV = 0.000002 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.31850799918174744
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.56 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5395 | LCC = 0.6290 | SRCC = 0.5997 ] [SYS][ MSE = 0.0243 | LCC = 0.9748 | SRCC = 0.9658 ]
[Valid(teacher)][60][UTT][ GML = 0.221070 | AML = 0.465658 | MoV = 0.203984 | VoV = 0.001639 ] [SYS][ GML = 0.018356 | AML = 2.830674 | MoV = 0.002270 | VoV = 0.000002 ]
Best model performance test:
Test(best):   0% 0/4000 [00:00<?, ? step/s]/home/x_xlian/.conda/envs/lxygpu/lib/python3.8/site-packages/torch/nn/modules/rnn.py:774: UserWarning: RNN module weights are not part of single contiguo
us chunk of memory. This means they need to be compacted at every call, possibly greatly increasing memory usage. To compact weights again call flatten_parameters(). (Triggered internally at ../at
en/src/ATen/native/cudnn/RNN.cpp:968.)
  result = _VF.lstm(input, hx, self._flat_weights, self.bias, self.num_layers,
Test(best): 100% 4000/4000 [00:21<00:00, 185.37 step/s]

[Test(best)][61][UTT][ MSE = 0.4652 | LCC = 0.6607 | SRCC = 0.6250 ] [SYS][ MSE = 0.0317 | LCC = 0.9738 | SRCC = 0.9282 ]
[Test(best)][61][UTT][ GML = 0.353490 | AML = 0.432492 | MoV = 0.406808 | VoV = 0.002890 ] [SYS][ GML = 0.121891 | AML = 2.053189 | MoV = 0.003255 | VoV = 0.000004 ]
Test(last): 100% 4000/4000 [00:21<00:00, 189.48 step/s]

[Test(last)][61][UTT][ MSE = 0.5467 | LCC = 0.6299 | SRCC = 0.5974 ] [SYS][ MSE = 0.0242 | LCC = 0.9786 | SRCC = 0.9733 ]
[Test(last)][61][UTT][ GML = 0.220235 | AML = 0.469143 | MoV = 0.205029 | VoV = 0.001718 ] [SYS][ GML = 0.002099 | AML = 2.036894 | MoV = 0.001664 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node032 ProMOSNet]$ client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-MBA ProMOSNet %
```