```
(lxygpu) [x_xlian@node025 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1/run1"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [09:21<00:00, 96.28it/s]
/proj/ihorse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  self.scores['JUDGE'][i] = self.idtable[judge_i]
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████████████| 3000/3000 [02:21<00:00, 21.19it/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 [03:07<00:00, 21.29it/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 [06:22<00:00,  2.21 step/s]
Average loss=6257.3740234375
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.96 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.6914 | LCC = 0.4146 | SRCC = 0.3970 ] [SYS][ MSE = 1.5077 | LCC = 0.6845 | SRCC = 0.7313 ]
[Valid(teacher)][0][UTT][ GML = 0.156205 | AML = 0.236189 | MoV = 0.796697 | VoV = 0.006785 ] [SYS][ GML = 0.000000 | AML = 0.001721 | MoV = 0.009054 | VoV = 0.000048 ]
Train: 100% 845/845 [04:46<00:00,  2.95 step/s]
Average loss=0.5719258189201355
Valid(teacher): 100% 3000/3000 [00:23<00:00, 128.50 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.4397 | LCC = 0.5702 | SRCC = 0.5344 ] [SYS][ MSE = 1.1036 | LCC = 0.8862 | SRCC = 0.8667 ]
[Valid(teacher)][1][UTT][ GML = 0.108398 | AML = 0.250652 | MoV = 0.474106 | VoV = 0.013044 ] [SYS][ GML = 0.000000 | AML = 0.000010 | MoV = 0.005752 | VoV = 0.000031 ]
Train: 100% 845/845 [06:30<00:00,  2.16 step/s]
Average loss=0.4581299424171448
Valid(teacher): 100% 3000/3000 [00:26<00:00, 114.80 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.9764 | LCC = 0.5979 | SRCC = 0.5534 ] [SYS][ MSE = 0.5782 | LCC = 0.9223 | SRCC = 0.8694 ]
[Valid(teacher)][2][UTT][ GML = 0.185059 | AML = 0.314110 | MoV = 0.469202 | VoV = 0.009610 ] [SYS][ GML = 0.000000 | AML = 0.149828 | MoV = 0.005588 | VoV = 0.000026 ]
Train: 100% 845/845 [04:38<00:00,  3.03 step/s]
Average loss=0.418841153383255
Valid(teacher): 100% 3000/3000 [00:17<00:00, 171.86 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.9971 | LCC = 0.6129 | SRCC = 0.5667 ] [SYS][ MSE = 0.5993 | LCC = 0.9381 | SRCC = 0.8708 ]
[Valid(teacher)][3][UTT][ GML = 0.175570 | AML = 0.312587 | MoV = 0.442754 | VoV = 0.008055 ] [SYS][ GML = 0.000000 | AML = 0.000074 | MoV = 0.005204 | VoV = 0.000020 ]
Train: 100% 845/845 [04:05<00:00,  3.44 step/s]
Average loss=0.3849320709705353
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.60 step/s]

[Valid(teacher)][4][UTT][ MSE = 1.0660 | LCC = 0.6224 | SRCC = 0.5768 ] [SYS][ MSE = 0.6725 | LCC = 0.9501 | SRCC = 0.8653 ]
[Valid(teacher)][4][UTT][ GML = 0.159883 | AML = 0.304888 | MoV = 0.414360 | VoV = 0.006072 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004839 | VoV = 0.000016 ]
Train: 100% 845/845 [03:37<00:00,  3.89 step/s]
Average loss=0.36069899797439575
Valid(teacher): 100% 3000/3000 [00:28<00:00, 106.17 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.9249 | LCC = 0.6252 | SRCC = 0.5810 ] [SYS][ MSE = 0.5226 | LCC = 0.9513 | SRCC = 0.8728 ]
[Valid(teacher)][5][UTT][ GML = 0.196420 | AML = 0.328571 | MoV = 0.424886 | VoV = 0.005329 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.004912 | VoV = 0.000015 ]
Train: 100% 845/845 [09:39<00:00,  1.46 step/s]
Average loss=0.3422234058380127
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.29 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.9023 | LCC = 0.6283 | SRCC = 0.5861 ] [SYS][ MSE = 0.5000 | LCC = 0.9547 | SRCC = 0.8790 ]
[Valid(teacher)][6][UTT][ GML = 0.203488 | AML = 0.333806 | MoV = 0.421381 | VoV = 0.004749 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004866 | VoV = 0.000015 ]
Train: 100% 845/845 [04:39<00:00,  3.03 step/s]
Average loss=0.32117652893066406
Valid(teacher): 100% 3000/3000 [00:17<00:00, 175.74 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.9450 | LCC = 0.6302 | SRCC = 0.5916 ] [SYS][ MSE = 0.5455 | LCC = 0.9584 | SRCC = 0.9056 ]
[Valid(teacher)][7][UTT][ GML = 0.192088 | AML = 0.327791 | MoV = 0.409654 | VoV = 0.004027 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004737 | VoV = 0.000014 ]
Train: 100% 845/845 [03:54<00:00,  3.60 step/s]
Average loss=0.30764222145080566
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.45 step/s]

[Valid(teacher)][8][UTT][ MSE = 1.0311 | LCC = 0.6276 | SRCC = 0.5928 ] [SYS][ MSE = 0.6357 | LCC = 0.9590 | SRCC = 0.9186 ]
[Valid(teacher)][8][UTT][ GML = 0.168256 | AML = 0.314548 | MoV = 0.393798 | VoV = 0.003872 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004575 | VoV = 0.000013 ]
Train: 100% 845/845 [03:27<00:00,  4.08 step/s]
Average loss=0.2842615842819214
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.13 step/s]

[Valid(teacher)][9][UTT][ MSE = 1.0485 | LCC = 0.6263 | SRCC = 0.5957 ] [SYS][ MSE = 0.6495 | LCC = 0.9601 | SRCC = 0.9200 ]
[Valid(teacher)][9][UTT][ GML = 0.163148 | AML = 0.312334 | MoV = 0.386950 | VoV = 0.003467 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004487 | VoV = 0.000013 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.26778268814086914
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.13 step/s]

[Valid(teacher)][10][UTT][ MSE = 1.0343 | LCC = 0.6256 | SRCC = 0.5996 ] [SYS][ MSE = 0.6324 | LCC = 0.9614 | SRCC = 0.9166 ]
[Valid(teacher)][10][UTT][ GML = 0.164878 | AML = 0.315073 | MoV = 0.380792 | VoV = 0.002862 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004401 | VoV = 0.000012 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.24975048005580902
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.98 step/s]

[Valid(teacher)][11][UTT][ MSE = 1.0793 | LCC = 0.6229 | SRCC = 0.6007 ] [SYS][ MSE = 0.6799 | LCC = 0.9618 | SRCC = 0.9207 ]
[Valid(teacher)][11][UTT][ GML = 0.151807 | AML = 0.308156 | MoV = 0.369972 | VoV = 0.002594 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004283 | VoV = 0.000011 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.23868325352668762
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.85 step/s]

[Valid(teacher)][12][UTT][ MSE = 1.0695 | LCC = 0.6220 | SRCC = 0.6021 ] [SYS][ MSE = 0.6676 | LCC = 0.9624 | SRCC = 0.9166 ]
[Valid(teacher)][12][UTT][ GML = 0.151403 | AML = 0.310308 | MoV = 0.363705 | VoV = 0.002481 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004202 | VoV = 0.000011 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.22127997875213623
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.00 step/s]

[Valid(teacher)][13][UTT][ MSE = 1.0538 | LCC = 0.6232 | SRCC = 0.6043 ] [SYS][ MSE = 0.6514 | LCC = 0.9621 | SRCC = 0.9056 ]
[Valid(teacher)][13][UTT][ GML = 0.152126 | AML = 0.313548 | MoV = 0.358205 | VoV = 0.002485 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004140 | VoV = 0.000010 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.20186536014080048
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.32 step/s]

[Valid(teacher)][14][UTT][ MSE = 1.0070 | LCC = 0.6245 | SRCC = 0.6065 ] [SYS][ MSE = 0.5974 | LCC = 0.9628 | SRCC = 0.9043 ]
[Valid(teacher)][14][UTT][ GML = 0.160080 | AML = 0.322164 | MoV = 0.353740 | VoV = 0.002359 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004070 | VoV = 0.000009 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.18991878628730774
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.25 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.9158 | LCC = 0.6310 | SRCC = 0.6099 ] [SYS][ MSE = 0.5000 | LCC = 0.9657 | SRCC = 0.8947 ]
[Valid(teacher)][15][UTT][ GML = 0.180524 | AML = 0.339377 | MoV = 0.351330 | VoV = 0.002415 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.004023 | VoV = 0.000009 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.1790863275527954
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.79 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.8783 | LCC = 0.6347 | SRCC = 0.6123 ] [SYS][ MSE = 0.4589 | LCC = 0.9668 | SRCC = 0.8961 ]
[Valid(teacher)][16][UTT][ GML = 0.188644 | AML = 0.347342 | MoV = 0.347913 | VoV = 0.002538 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.003975 | VoV = 0.000008 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.16421367228031158
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.15 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.8143 | LCC = 0.6406 | SRCC = 0.6159 ] [SYS][ MSE = 0.3914 | LCC = 0.9692 | SRCC = 0.8995 ]
[Valid(teacher)][17][UTT][ GML = 0.205332 | AML = 0.361158 | MoV = 0.345646 | VoV = 0.002645 ] [SYS][ GML = 0.000000 | AML = 0.000004 | MoV = 0.003939 | VoV = 0.000008 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.15144683420658112
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.82 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.8070 | LCC = 0.6432 | SRCC = 0.6190 ] [SYS][ MSE = 0.3829 | LCC = 0.9712 | SRCC = 0.9070 ]
[Valid(teacher)][18][UTT][ GML = 0.204646 | AML = 0.363441 | MoV = 0.340034 | VoV = 0.002617 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.003873 | VoV = 0.000008 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.13671098649450018
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.85 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.7439 | LCC = 0.6484 | SRCC = 0.6217 ] [SYS][ MSE = 0.3192 | LCC = 0.9731 | SRCC = 0.9125 ]
[Valid(teacher)][19][UTT][ GML = 0.224050 | AML = 0.377317 | MoV = 0.338599 | VoV = 0.002617 ] [SYS][ GML = 0.000000 | AML = 0.000086 | MoV = 0.003840 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
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Average loss=0.13013918697834015
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.49 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.6493 | LCC = 0.6539 | SRCC = 0.6247 ] [SYS][ MSE = 0.2208 | LCC = 0.9747 | SRCC = 0.9262 ]
[Valid(teacher)][20][UTT][ GML = 0.258387 | AML = 0.399161 | MoV = 0.339507 | VoV = 0.002640 ] [SYS][ GML = 0.000000 | AML = 0.034599 | MoV = 0.003823 | VoV = 0.000007 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.1140825375914537
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.52 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.6573 | LCC = 0.6517 | SRCC = 0.6231 ] [SYS][ MSE = 0.2257 | LCC = 0.9752 | SRCC = 0.9330 ]
[Valid(teacher)][21][UTT][ GML = 0.253016 | AML = 0.398447 | MoV = 0.333944 | VoV = 0.002588 ] [SYS][ GML = 0.000000 | AML = 0.026377 | MoV = 0.003762 | VoV = 0.000007 ]
Train: 100% 845/845 [03:21<00:00,  4.19 step/s]
Average loss=0.09823671728372574
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.25 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.6248 | LCC = 0.6537 | SRCC = 0.6234 ] [SYS][ MSE = 0.1902 | LCC = 0.9756 | SRCC = 0.9385 ]
[Valid(teacher)][22][UTT][ GML = 0.264663 | AML = 0.407161 | MoV = 0.330856 | VoV = 0.002453 ] [SYS][ GML = 0.000000 | AML = 0.099386 | MoV = 0.003716 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.08483865587124329
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.98 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.6230 | LCC = 0.6534 | SRCC = 0.6228 ] [SYS][ MSE = 0.1864 | LCC = 0.9760 | SRCC = 0.9398 ]
[Valid(teacher)][23][UTT][ GML = 0.263100 | AML = 0.409006 | MoV = 0.325042 | VoV = 0.002444 ] [SYS][ GML = 0.000000 | AML = 0.121176 | MoV = 0.003644 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.07729091495275497
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.60 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.6157 | LCC = 0.6548 | SRCC = 0.6245 ] [SYS][ MSE = 0.1807 | LCC = 0.9766 | SRCC = 0.9378 ]
[Valid(teacher)][24][UTT][ GML = 0.264578 | AML = 0.411620 | MoV = 0.321736 | VoV = 0.002395 ] [SYS][ GML = 0.000000 | AML = 0.118496 | MoV = 0.003605 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.06914612650871277
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.27 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.5974 | LCC = 0.6578 | SRCC = 0.6262 ] [SYS][ MSE = 0.1664 | LCC = 0.9786 | SRCC = 0.9556 ]
[Valid(teacher)][25][UTT][ GML = 0.272187 | AML = 0.415782 | MoV = 0.320387 | VoV = 0.002441 ] [SYS][ GML = 0.000000 | AML = 0.150325 | MoV = 0.003586 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.05103868246078491
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.29 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.6086 | LCC = 0.6580 | SRCC = 0.6263 ] [SYS][ MSE = 0.1791 | LCC = 0.9792 | SRCC = 0.9610 ]
[Valid(teacher)][26][UTT][ GML = 0.265998 | AML = 0.413174 | MoV = 0.316874 | VoV = 0.002426 ] [SYS][ GML = 0.000000 | AML = 0.083775 | MoV = 0.003547 | VoV = 0.000006 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=0.03863704204559326
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.87 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.6298 | LCC = 0.6564 | SRCC = 0.6247 ] [SYS][ MSE = 0.2007 | LCC = 0.9798 | SRCC = 0.9610 ]
[Valid(teacher)][27][UTT][ GML = 0.254831 | AML = 0.408827 | MoV = 0.312002 | VoV = 0.002441 ] [SYS][ GML = 0.000000 | AML = 0.027303 | MoV = 0.003494 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=0.026423437520861626
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.97 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.6042 | LCC = 0.6568 | SRCC = 0.6247 ] [SYS][ MSE = 0.1718 | LCC = 0.9800 | SRCC = 0.9556 ]
[Valid(teacher)][28][UTT][ GML = 0.264054 | AML = 0.416238 | MoV = 0.308935 | VoV = 0.002440 ] [SYS][ GML = 0.000000 | AML = 0.080969 | MoV = 0.003456 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=0.0170507300645113
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.77 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.6187 | LCC = 0.6553 | SRCC = 0.6245 ] [SYS][ MSE = 0.1829 | LCC = 0.9800 | SRCC = 0.9508 ]
[Valid(teacher)][29][UTT][ GML = 0.253748 | AML = 0.414481 | MoV = 0.301879 | VoV = 0.002419 ] [SYS][ GML = 0.000000 | AML = 0.075281 | MoV = 0.003387 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.0031907774973660707
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.34 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.6247 | LCC = 0.6556 | SRCC = 0.6248 ] [SYS][ MSE = 0.1873 | LCC = 0.9807 | SRCC = 0.9549 ]
[Valid(teacher)][30][UTT][ GML = 0.248194 | AML = 0.414585 | MoV = 0.296778 | VoV = 0.002345 ] [SYS][ GML = 0.000000 | AML = 0.065525 | MoV = 0.003322 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.01158042810857296
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.37 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.6335 | LCC = 0.6557 | SRCC = 0.6251 ] [SYS][ MSE = 0.1961 | LCC = 0.9806 | SRCC = 0.9460 ]
[Valid(teacher)][31][UTT][ GML = 0.242947 | AML = 0.413396 | MoV = 0.293283 | VoV = 0.002248 ] [SYS][ GML = 0.000000 | AML = 0.042567 | MoV = 0.003285 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.024985020980238914
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.30 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.6651 | LCC = 0.6549 | SRCC = 0.6244 ] [SYS][ MSE = 0.2301 | LCC = 0.9811 | SRCC = 0.9521 ]
[Valid(teacher)][32][UTT][ GML = 0.229111 | AML = 0.405420 | MoV = 0.291284 | VoV = 0.002177 ] [SYS][ GML = 0.000000 | AML = 0.006164 | MoV = 0.003263 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.037789758294820786
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.53 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.6622 | LCC = 0.6562 | SRCC = 0.6254 ] [SYS][ MSE = 0.2306 | LCC = 0.9812 | SRCC = 0.9521 ]
[Valid(teacher)][33][UTT][ GML = 0.229687 | AML = 0.405992 | MoV = 0.290340 | VoV = 0.002226 ] [SYS][ GML = 0.000000 | AML = 0.003968 | MoV = 0.003254 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.052048083394765854
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.39 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.6351 | LCC = 0.6566 | SRCC = 0.6252 ] [SYS][ MSE = 0.1999 | LCC = 0.9815 | SRCC = 0.9549 ]
[Valid(teacher)][34][UTT][ GML = 0.238961 | AML = 0.413528 | MoV = 0.287028 | VoV = 0.002136 ] [SYS][ GML = 0.000000 | AML = 0.034239 | MoV = 0.003213 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.05726386979222298
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.42 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.6260 | LCC = 0.6570 | SRCC = 0.6240 ] [SYS][ MSE = 0.1922 | LCC = 0.9822 | SRCC = 0.9487 ]
[Valid(teacher)][35][UTT][ GML = 0.242227 | AML = 0.416074 | MoV = 0.286526 | VoV = 0.002175 ] [SYS][ GML = 0.000000 | AML = 0.021816 | MoV = 0.003204 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.06966068595647812
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.09 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.6201 | LCC = 0.6573 | SRCC = 0.6234 ] [SYS][ MSE = 0.1888 | LCC = 0.9825 | SRCC = 0.9494 ]
[Valid(teacher)][36][UTT][ GML = 0.244401 | AML = 0.417506 | MoV = 0.285444 | VoV = 0.002133 ] [SYS][ GML = 0.000000 | AML = 0.018645 | MoV = 0.003195 | VoV = 0.000005 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.07946877926588058
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.53 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5681 | LCC = 0.6602 | SRCC = 0.6258 ] [SYS][ MSE = 0.1364 | LCC = 0.9834 | SRCC = 0.9535 ]
[Valid(teacher)][37][UTT][ GML = 0.270916 | AML = 0.429780 | MoV = 0.288013 | VoV = 0.002007 ] [SYS][ GML = 0.000000 | AML = 0.140485 | MoV = 0.003196 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.0925697493553162
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.26 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5730 | LCC = 0.6591 | SRCC = 0.6244 ] [SYS][ MSE = 0.1391 | LCC = 0.9832 | SRCC = 0.9535 ]
[Valid(teacher)][38][UTT][ GML = 0.266418 | AML = 0.430171 | MoV = 0.284323 | VoV = 0.001975 ] [SYS][ GML = 0.000000 | AML = 0.126877 | MoV = 0.003154 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.10968677699565887
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.51 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.6010 | LCC = 0.6574 | SRCC = 0.6229 ] [SYS][ MSE = 0.1658 | LCC = 0.9834 | SRCC = 0.9528 ]
[Valid(teacher)][39][UTT][ GML = 0.250445 | AML = 0.423883 | MoV = 0.280408 | VoV = 0.002027 ] [SYS][ GML = 0.000000 | AML = 0.037537 | MoV = 0.003117 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.11814932525157928
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.93 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.6021 | LCC = 0.6552 | SRCC = 0.6207 ] [SYS][ MSE = 0.1634 | LCC = 0.9830 | SRCC = 0.9439 ]
[Valid(teacher)][40][UTT][ GML = 0.248103 | AML = 0.424496 | MoV = 0.277456 | VoV = 0.002002 ] [SYS][ GML = 0.000000 | AML = 0.046137 | MoV = 0.003082 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.12944398820400238
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.71 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5738 | LCC = 0.6566 | SRCC = 0.6222 ] [SYS][ MSE = 0.1328 | LCC = 0.9834 | SRCC = 0.9528 ]
[Valid(teacher)][41][UTT][ GML = 0.259909 | AML = 0.432255 | MoV = 0.274374 | VoV = 0.002013 ] [SYS][ GML = 0.000000 | AML = 0.151632 | MoV = 0.003038 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.1339291036128978
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.28 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5474 | LCC = 0.6598 | SRCC = 0.6243 ] [SYS][ MSE = 0.1145 | LCC = 0.9841 | SRCC = 0.9569 ]
[Valid(teacher)][42][UTT][ GML = 0.276959 | AML = 0.437409 | MoV = 0.278253 | VoV = 0.001920 ] [SYS][ GML = 0.000000 | AML = 0.159585 | MoV = 0.003067 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.14520658552646637
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.38 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5429 | LCC = 0.6606 | SRCC = 0.6251 ] [SYS][ MSE = 0.1114 | LCC = 0.9840 | SRCC = 0.9508 ]
[Valid(teacher)][43][UTT][ GML = 0.279858 | AML = 0.438523 | MoV = 0.278169 | VoV = 0.001863 ] [SYS][ GML = 0.000000 | AML = 0.166086 | MoV = 0.003059 | VoV = 0.000004 ]
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Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.15755876898765564
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.38 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5422 | LCC = 0.6594 | SRCC = 0.6232 ] [SYS][ MSE = 0.1091 | LCC = 0.9841 | SRCC = 0.9549 ]
[Valid(teacher)][44][UTT][ GML = 0.278091 | AML = 0.440027 | MoV = 0.275197 | VoV = 0.001866 ] [SYS][ GML = 0.000000 | AML = 0.162365 | MoV = 0.003030 | VoV = 0.000004 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.16569951176643372
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.26 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5279 | LCC = 0.6582 | SRCC = 0.6219 ] [SYS][ MSE = 0.0934 | LCC = 0.9841 | SRCC = 0.9474 ]
[Valid(teacher)][45][UTT][ GML = 0.286751 | AML = 0.443654 | MoV = 0.275908 | VoV = 0.001800 ] [SYS][ GML = 0.000000 | AML = 0.221265 | MoV = 0.003028 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.17918823659420013
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.50 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5173 | LCC = 0.6571 | SRCC = 0.6209 ] [SYS][ MSE = 0.0819 | LCC = 0.9832 | SRCC = 0.9487 ]
[Valid(teacher)][46][UTT][ GML = 0.292323 | AML = 0.446854 | MoV = 0.275230 | VoV = 0.001796 ] [SYS][ GML = 0.000001 | AML = 0.302616 | MoV = 0.003013 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.18745914101600647
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.40 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5424 | LCC = 0.6571 | SRCC = 0.6213 ] [SYS][ MSE = 0.1101 | LCC = 0.9835 | SRCC = 0.9508 ]
[Valid(teacher)][47][UTT][ GML = 0.277062 | AML = 0.439970 | MoV = 0.272743 | VoV = 0.001784 ] [SYS][ GML = 0.000000 | AML = 0.142075 | MoV = 0.002999 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.19160930812358856
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.22 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5356 | LCC = 0.6571 | SRCC = 0.6214 ] [SYS][ MSE = 0.0998 | LCC = 0.9837 | SRCC = 0.9508 ]
[Valid(teacher)][48][UTT][ GML = 0.279279 | AML = 0.443369 | MoV = 0.269758 | VoV = 0.001713 ] [SYS][ GML = 0.000000 | AML = 0.180705 | MoV = 0.002962 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.2059817761182785
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.80 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5388 | LCC = 0.6572 | SRCC = 0.6216 ] [SYS][ MSE = 0.1018 | LCC = 0.9833 | SRCC = 0.9474 ]
[Valid(teacher)][49][UTT][ GML = 0.276047 | AML = 0.443304 | MoV = 0.268129 | VoV = 0.001778 ] [SYS][ GML = 0.000000 | AML = 0.177543 | MoV = 0.002943 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.21170905232429504
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.92 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5299 | LCC = 0.6574 | SRCC = 0.6216 ] [SYS][ MSE = 0.0909 | LCC = 0.9832 | SRCC = 0.9474 ]
[Valid(teacher)][50][UTT][ GML = 0.278441 | AML = 0.447153 | MoV = 0.264317 | VoV = 0.001735 ] [SYS][ GML = 0.000000 | AML = 0.250249 | MoV = 0.002897 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.22098888456821442
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.94 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5473 | LCC = 0.6564 | SRCC = 0.6205 ] [SYS][ MSE = 0.1113 | LCC = 0.9832 | SRCC = 0.9480 ]
[Valid(teacher)][51][UTT][ GML = 0.269364 | AML = 0.442082 | MoV = 0.264531 | VoV = 0.001717 ] [SYS][ GML = 0.000000 | AML = 0.128033 | MoV = 0.002902 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.23577448725700378
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.10 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5351 | LCC = 0.6558 | SRCC = 0.6198 ] [SYS][ MSE = 0.0959 | LCC = 0.9837 | SRCC = 0.9487 ]
[Valid(teacher)][52][UTT][ GML = 0.273985 | AML = 0.446467 | MoV = 0.261361 | VoV = 0.001687 ] [SYS][ GML = 0.000000 | AML = 0.222560 | MoV = 0.002867 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.24455757439136505
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.28 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5156 | LCC = 0.6548 | SRCC = 0.6185 ] [SYS][ MSE = 0.0783 | LCC = 0.9828 | SRCC = 0.9398 ]
[Valid(teacher)][53][UTT][ GML = 0.286282 | AML = 0.451055 | MoV = 0.262235 | VoV = 0.001607 ] [SYS][ GML = 0.000001 | AML = 0.403686 | MoV = 0.002862 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.2662063241004944
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.28 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5401 | LCC = 0.6529 | SRCC = 0.6166 ] [SYS][ MSE = 0.1000 | LCC = 0.9836 | SRCC = 0.9508 ]
[Valid(teacher)][54][UTT][ GML = 0.268292 | AML = 0.445862 | MoV = 0.256195 | VoV = 0.001543 ] [SYS][ GML = 0.000000 | AML = 0.150061 | MoV = 0.002809 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.27251946926116943
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.80 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5454 | LCC = 0.6533 | SRCC = 0.6171 ] [SYS][ MSE = 0.1091 | LCC = 0.9830 | SRCC = 0.9405 ]
[Valid(teacher)][55][UTT][ GML = 0.265915 | AML = 0.443402 | MoV = 0.256529 | VoV = 0.001514 ] [SYS][ GML = 0.000000 | AML = 0.099890 | MoV = 0.002811 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.2784821391105652
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.41 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5275 | LCC = 0.6536 | SRCC = 0.6175 ] [SYS][ MSE = 0.0909 | LCC = 0.9819 | SRCC = 0.9439 ]
[Valid(teacher)][56][UTT][ GML = 0.275962 | AML = 0.448834 | MoV = 0.256202 | VoV = 0.001494 ] [SYS][ GML = 0.000000 | AML = 0.314353 | MoV = 0.002795 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.16 step/s]
Average loss=-0.2868257164955139
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.49 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5219 | LCC = 0.6520 | SRCC = 0.6163 ] [SYS][ MSE = 0.0804 | LCC = 0.9823 | SRCC = 0.9439 ]
[Valid(teacher)][57][UTT][ GML = 0.278514 | AML = 0.451015 | MoV = 0.256059 | VoV = 0.001606 ] [SYS][ GML = 0.000001 | AML = 0.505223 | MoV = 0.002787 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.29559245705604553
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.81 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5178 | LCC = 0.6532 | SRCC = 0.6177 ] [SYS][ MSE = 0.0789 | LCC = 0.9830 | SRCC = 0.9467 ]
[Valid(teacher)][58][UTT][ GML = 0.282056 | AML = 0.451837 | MoV = 0.257996 | VoV = 0.001676 ] [SYS][ GML = 0.000001 | AML = 0.542528 | MoV = 0.002802 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.3008252084552185
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.99 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5217 | LCC = 0.6524 | SRCC = 0.6174 ] [SYS][ MSE = 0.0807 | LCC = 0.9827 | SRCC = 0.9467 ]
[Valid(teacher)][59][UTT][ GML = 0.277751 | AML = 0.451336 | MoV = 0.255739 | VoV = 0.001701 ] [SYS][ GML = 0.000001 | AML = 0.506061 | MoV = 0.002779 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3008252084552185
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.99 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5446 | LCC = 0.6524 | SRCC = 0.6174 ] [SYS][ MSE = 0.1032 | LCC = 0.9832 | SRCC = 0.9474 ]
[Valid(teacher)][60][UTT][ GML = 0.260784 | AML = 0.446343 | MoV = 0.250940 | VoV = 0.001712 ] [SYS][ GML = 0.000000 | AML = 0.130305 | MoV = 0.002738 | 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, 182.52 step/s]

[Test(best)][61][UTT][ MSE = 0.5252 | LCC = 0.6706 | SRCC = 0.6376 ] [SYS][ MSE = 0.1023 | LCC = 0.9860 | SRCC = 0.9706 ]
[Test(best)][61][UTT][ GML = 0.288474 | AML = 0.449130 | MoV = 0.278157 | VoV = 0.001895 ] [SYS][ GML = 0.000000 | AML = 0.003893 | MoV = 0.002255 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:20<00:00, 197.02 step/s]

[Test(last)][61][UTT][ MSE = 0.5278 | LCC = 0.6602 | SRCC = 0.6270 ] [SYS][ MSE = 0.0966 | LCC = 0.9823 | SRCC = 0.9590 ]
[Test(last)][61][UTT][ GML = 0.271148 | AML = 0.456442 | MoV = 0.251010 | VoV = 0.001718 ] [SYS][ GML = 0.000000 | AML = 0.079534 | MoV = 0.002031 | VoV = 0.000002 ]
(lxygpu) [x_xlian@node025 ProMOSNet]$
```