```
(lxygpu) [x_xlian@node025 ProMOSNet]$ python train.py --lamb_c=0.5 --lamb_t=0.5 --save_path "runs/c5e-1-t5e-1/run3"
Loading all wav files.
100%|████████████████████████████████████████████████████████████████████████████████████████████| 54040/54040 [07:58<00:00, 112.96it/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 [02:20<00:00, 28.37it/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=56435.08984375
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.08 step/s]

[Valid(teacher)][0][UTT][ MSE = 1.2202 | LCC = 0.4700 | SRCC = 0.4489 ] [SYS][ MSE = 0.9694 | LCC = 0.7453 | SRCC = 0.8065 ]
[Valid(teacher)][0][UTT][ GML = 0.188892 | AML = 0.282755 | MoV = 0.626208 | VoV = 0.009104 ] [SYS][ GML = 0.000000 | AML = 0.003087 | MoV = 0.007185 | VoV = 0.000032 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.46859481930732727
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.19 step/s]

[Valid(teacher)][1][UTT][ MSE = 1.0744 | LCC = 0.5741 | SRCC = 0.5442 ] [SYS][ MSE = 0.7367 | LCC = 0.8923 | SRCC = 0.8824 ]
[Valid(teacher)][1][UTT][ GML = 0.174138 | AML = 0.301662 | MoV = 0.477593 | VoV = 0.011309 ] [SYS][ GML = 0.000000 | AML = 0.066624 | MoV = 0.005699 | VoV = 0.000027 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.384518563747406
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.20 step/s]

[Valid(teacher)][2][UTT][ MSE = 0.7454 | LCC = 0.6066 | SRCC = 0.5682 ] [SYS][ MSE = 0.3674 | LCC = 0.9339 | SRCC = 0.8803 ]
[Valid(teacher)][2][UTT][ GML = 0.259238 | AML = 0.353078 | MoV = 0.488243 | VoV = 0.007511 ] [SYS][ GML = 0.000000 | AML = 0.231685 | MoV = 0.005737 | VoV = 0.000024 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.3485395014286041
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.28 step/s]

[Valid(teacher)][3][UTT][ MSE = 0.5592 | LCC = 0.6191 | SRCC = 0.5801 ] [SYS][ MSE = 0.1482 | LCC = 0.9491 | SRCC = 0.8892 ]
[Valid(teacher)][3][UTT][ GML = 0.319581 | AML = 0.387686 | MoV = 0.490356 | VoV = 0.004199 ] [SYS][ GML = 0.000014 | AML = 0.285711 | MoV = 0.005627 | VoV = 0.000019 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.32021859288215637
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.44 step/s]

[Valid(teacher)][4][UTT][ MSE = 0.5672 | LCC = 0.6263 | SRCC = 0.5907 ] [SYS][ MSE = 0.1573 | LCC = 0.9574 | SRCC = 0.9097 ]
[Valid(teacher)][4][UTT][ GML = 0.316648 | AML = 0.388527 | MoV = 0.478599 | VoV = 0.003758 ] [SYS][ GML = 0.000003 | AML = 0.161729 | MoV = 0.005473 | VoV = 0.000017 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2914314568042755
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.68 step/s]

[Valid(teacher)][5][UTT][ MSE = 0.5993 | LCC = 0.6258 | SRCC = 0.5916 ] [SYS][ MSE = 0.1895 | LCC = 0.9587 | SRCC = 0.9084 ]
[Valid(teacher)][5][UTT][ GML = 0.304496 | AML = 0.385526 | MoV = 0.461364 | VoV = 0.003623 ] [SYS][ GML = 0.000000 | AML = 0.151545 | MoV = 0.005287 | VoV = 0.000016 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.27568161487579346
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.77 step/s]

[Valid(teacher)][6][UTT][ MSE = 0.7017 | LCC = 0.6254 | SRCC = 0.5943 ] [SYS][ MSE = 0.3020 | LCC = 0.9626 | SRCC = 0.9104 ]
[Valid(teacher)][6][UTT][ GML = 0.268127 | AML = 0.370698 | MoV = 0.434725 | VoV = 0.003523 ] [SYS][ GML = 0.000000 | AML = 0.039260 | MoV = 0.005012 | VoV = 0.000015 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.2584806978702545
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.26 step/s]

[Valid(teacher)][7][UTT][ MSE = 0.7352 | LCC = 0.6252 | SRCC = 0.5966 ] [SYS][ MSE = 0.3344 | LCC = 0.9647 | SRCC = 0.9091 ]
[Valid(teacher)][7][UTT][ GML = 0.255512 | AML = 0.366412 | MoV = 0.421812 | VoV = 0.003354 ] [SYS][ GML = 0.000000 | AML = 0.000848 | MoV = 0.004874 | VoV = 0.000014 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=0.23561181128025055
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.23 step/s]

[Valid(teacher)][8][UTT][ MSE = 0.7403 | LCC = 0.6231 | SRCC = 0.5976 ] [SYS][ MSE = 0.3346 | LCC = 0.9646 | SRCC = 0.9091 ]
[Valid(teacher)][8][UTT][ GML = 0.252440 | AML = 0.366916 | MoV = 0.412885 | VoV = 0.002828 ] [SYS][ GML = 0.000000 | AML = 0.000337 | MoV = 0.004743 | VoV = 0.000013 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.2206839621067047
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.20 step/s]

[Valid(teacher)][9][UTT][ MSE = 0.7688 | LCC = 0.6212 | SRCC = 0.5986 ] [SYS][ MSE = 0.3631 | LCC = 0.9643 | SRCC = 0.9214 ]
[Valid(teacher)][9][UTT][ GML = 0.240588 | AML = 0.363555 | MoV = 0.400402 | VoV = 0.002600 ] [SYS][ GML = 0.000000 | AML = 0.000025 | MoV = 0.004600 | VoV = 0.000012 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.20370236039161682
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.98 step/s]

[Valid(teacher)][10][UTT][ MSE = 0.8740 | LCC = 0.6149 | SRCC = 0.5963 ] [SYS][ MSE = 0.4757 | LCC = 0.9640 | SRCC = 0.9207 ]
[Valid(teacher)][10][UTT][ GML = 0.205593 | AML = 0.346590 | MoV = 0.383031 | VoV = 0.002430 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004415 | VoV = 0.000012 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.18470707535743713
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.10 step/s]

[Valid(teacher)][11][UTT][ MSE = 0.9198 | LCC = 0.6121 | SRCC = 0.5959 ] [SYS][ MSE = 0.5253 | LCC = 0.9618 | SRCC = 0.9145 ]
[Valid(teacher)][11][UTT][ GML = 0.189858 | AML = 0.339751 | MoV = 0.372096 | VoV = 0.002272 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004294 | VoV = 0.000011 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.16768468916416168
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.80 step/s]

[Valid(teacher)][12][UTT][ MSE = 0.9431 | LCC = 0.6122 | SRCC = 0.5965 ] [SYS][ MSE = 0.5505 | LCC = 0.9608 | SRCC = 0.9104 ]
[Valid(teacher)][12][UTT][ GML = 0.181086 | AML = 0.336207 | MoV = 0.364677 | VoV = 0.002237 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004210 | VoV = 0.000011 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=0.15352658927440643
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.32 step/s]

[Valid(teacher)][13][UTT][ MSE = 0.9303 | LCC = 0.6090 | SRCC = 0.5927 ] [SYS][ MSE = 0.5353 | LCC = 0.9597 | SRCC = 0.9063 ]
[Valid(teacher)][13][UTT][ GML = 0.182665 | AML = 0.339009 | MoV = 0.361330 | VoV = 0.002133 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004170 | VoV = 0.000010 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.13456453382968903
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.39 step/s]

[Valid(teacher)][14][UTT][ MSE = 0.8744 | LCC = 0.6125 | SRCC = 0.5939 ] [SYS][ MSE = 0.4729 | LCC = 0.9603 | SRCC = 0.9070 ]
[Valid(teacher)][14][UTT][ GML = 0.196430 | AML = 0.349667 | MoV = 0.360004 | VoV = 0.002046 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.004141 | VoV = 0.000010 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.1215157504105568
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.44 step/s]

[Valid(teacher)][15][UTT][ MSE = 0.8231 | LCC = 0.6138 | SRCC = 0.5952 ] [SYS][ MSE = 0.4089 | LCC = 0.9622 | SRCC = 0.9125 ]
[Valid(teacher)][15][UTT][ GML = 0.208467 | AML = 0.360862 | MoV = 0.354895 | VoV = 0.001871 ] [SYS][ GML = 0.000000 | AML = 0.000002 | MoV = 0.004059 | VoV = 0.000009 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.10454905033111572
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.62 step/s]

[Valid(teacher)][16][UTT][ MSE = 0.7807 | LCC = 0.6168 | SRCC = 0.5976 ] [SYS][ MSE = 0.3619 | LCC = 0.9634 | SRCC = 0.9200 ]
[Valid(teacher)][16][UTT][ GML = 0.219574 | AML = 0.369834 | MoV = 0.351095 | VoV = 0.001808 ] [SYS][ GML = 0.000000 | AML = 0.000008 | MoV = 0.004000 | VoV = 0.000009 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=0.08926097303628922
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.79 step/s]

[Valid(teacher)][17][UTT][ MSE = 0.7788 | LCC = 0.6154 | SRCC = 0.5947 ] [SYS][ MSE = 0.3568 | LCC = 0.9640 | SRCC = 0.9104 ]
[Valid(teacher)][17][UTT][ GML = 0.217830 | AML = 0.371197 | MoV = 0.346307 | VoV = 0.001804 ] [SYS][ GML = 0.000000 | AML = 0.000007 | MoV = 0.003944 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.073957905173017
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.73 step/s]

[Valid(teacher)][18][UTT][ MSE = 0.7461 | LCC = 0.6157 | SRCC = 0.5938 ] [SYS][ MSE = 0.3159 | LCC = 0.9642 | SRCC = 0.9029 ]
[Valid(teacher)][18][UTT][ GML = 0.226757 | AML = 0.378623 | MoV = 0.343437 | VoV = 0.001828 ] [SYS][ GML = 0.000000 | AML = 0.000031 | MoV = 0.003902 | VoV = 0.000008 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=0.05462750419974327
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.19 step/s]

[Valid(teacher)][19][UTT][ MSE = 0.7054 | LCC = 0.6193 | SRCC = 0.5965 ] [SYS][ MSE = 0.2693 | LCC = 0.9668 | SRCC = 0.9111 ]
[Valid(teacher)][19][UTT][ GML = 0.238397 | AML = 0.388341 | MoV = 0.338262 | VoV = 0.001734 ] [SYS][ GML = 0.000000 | AML = 0.000165 | MoV = 0.003832 | VoV = 0.000007 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
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Average loss=0.04704663157463074
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.03 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.6360 | LCC = 0.6240 | SRCC = 0.5989 ] [SYS][ MSE = 0.1866 | LCC = 0.9687 | SRCC = 0.9118 ]
[Valid(teacher)][20][UTT][ GML = 0.263223 | AML = 0.404808 | MoV = 0.336634 | VoV = 0.001804 ] [SYS][ GML = 0.000000 | AML = 0.016310 | MoV = 0.003793 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.0298995003104209
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.02 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.6255 | LCC = 0.6268 | SRCC = 0.6018 ] [SYS][ MSE = 0.1784 | LCC = 0.9704 | SRCC = 0.9159 ]
[Valid(teacher)][21][UTT][ GML = 0.266129 | AML = 0.407196 | MoV = 0.333519 | VoV = 0.001804 ] [SYS][ GML = 0.000000 | AML = 0.015389 | MoV = 0.003758 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.016886720433831215
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.16 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.5990 | LCC = 0.6314 | SRCC = 0.6056 ] [SYS][ MSE = 0.1509 | LCC = 0.9718 | SRCC = 0.9159 ]
[Valid(teacher)][22][UTT][ GML = 0.274804 | AML = 0.414286 | MoV = 0.328877 | VoV = 0.001924 ] [SYS][ GML = 0.000000 | AML = 0.047910 | MoV = 0.003701 | VoV = 0.000007 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=0.005966332741081715
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.00 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.5776 | LCC = 0.6329 | SRCC = 0.6072 ] [SYS][ MSE = 0.1229 | LCC = 0.9737 | SRCC = 0.9296 ]
[Valid(teacher)][23][UTT][ GML = 0.282568 | AML = 0.420727 | MoV = 0.323816 | VoV = 0.001892 ] [SYS][ GML = 0.000000 | AML = 0.216162 | MoV = 0.003630 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.009229389019310474
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.21 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.5653 | LCC = 0.6318 | SRCC = 0.6058 ] [SYS][ MSE = 0.1025 | LCC = 0.9741 | SRCC = 0.9364 ]
[Valid(teacher)][24][UTT][ GML = 0.285676 | AML = 0.425607 | MoV = 0.318525 | VoV = 0.001951 ] [SYS][ GML = 0.000000 | AML = 0.509977 | MoV = 0.003573 | VoV = 0.000006 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.022892870008945465
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.24 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.5454 | LCC = 0.6325 | SRCC = 0.6058 ] [SYS][ MSE = 0.0792 | LCC = 0.9736 | SRCC = 0.9241 ]
[Valid(teacher)][25][UTT][ GML = 0.294235 | AML = 0.431439 | MoV = 0.316001 | VoV = 0.001841 ] [SYS][ GML = 0.000020 | AML = 1.056166 | MoV = 0.003533 | VoV = 0.000006 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.036260757595300674
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.16 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.5323 | LCC = 0.6326 | SRCC = 0.6056 ] [SYS][ MSE = 0.0622 | LCC = 0.9729 | SRCC = 0.9179 ]
[Valid(teacher)][26][UTT][ GML = 0.299379 | AML = 0.435887 | MoV = 0.312950 | VoV = 0.001816 ] [SYS][ GML = 0.000331 | AML = 1.495039 | MoV = 0.003495 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.0530824139714241
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.76 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.5222 | LCC = 0.6344 | SRCC = 0.6066 ] [SYS][ MSE = 0.0495 | LCC = 0.9729 | SRCC = 0.9207 ]
[Valid(teacher)][27][UTT][ GML = 0.302965 | AML = 0.439938 | MoV = 0.308783 | VoV = 0.001797 ] [SYS][ GML = 0.002568 | AML = 1.763183 | MoV = 0.003442 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.06513068825006485
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.16 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.5304 | LCC = 0.6344 | SRCC = 0.6063 ] [SYS][ MSE = 0.0623 | LCC = 0.9741 | SRCC = 0.9282 ]
[Valid(teacher)][28][UTT][ GML = 0.296867 | AML = 0.438523 | MoV = 0.303606 | VoV = 0.001804 ] [SYS][ GML = 0.000254 | AML = 1.456650 | MoV = 0.003383 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.08068105578422546
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.06 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5209 | LCC = 0.6341 | SRCC = 0.6058 ] [SYS][ MSE = 0.0456 | LCC = 0.9740 | SRCC = 0.9296 ]
[Valid(teacher)][29][UTT][ GML = 0.299767 | AML = 0.443247 | MoV = 0.298793 | VoV = 0.001768 ] [SYS][ GML = 0.003906 | AML = 1.874537 | MoV = 0.003321 | VoV = 0.000005 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.09775948524475098
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.78 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5257 | LCC = 0.6334 | SRCC = 0.6049 ] [SYS][ MSE = 0.0527 | LCC = 0.9750 | SRCC = 0.9296 ]
[Valid(teacher)][30][UTT][ GML = 0.295106 | AML = 0.442606 | MoV = 0.294136 | VoV = 0.001729 ] [SYS][ GML = 0.001085 | AML = 1.782207 | MoV = 0.003273 | VoV = 0.000005 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1141115352511406
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.85 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5198 | LCC = 0.6358 | SRCC = 0.6067 ] [SYS][ MSE = 0.0512 | LCC = 0.9763 | SRCC = 0.9337 ]
[Valid(teacher)][31][UTT][ GML = 0.296317 | AML = 0.445298 | MoV = 0.289308 | VoV = 0.001668 ] [SYS][ GML = 0.001418 | AML = 1.784245 | MoV = 0.003221 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.11884184181690216
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.53 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5168 | LCC = 0.6356 | SRCC = 0.6062 ] [SYS][ MSE = 0.0448 | LCC = 0.9760 | SRCC = 0.9303 ]
[Valid(teacher)][32][UTT][ GML = 0.296350 | AML = 0.446996 | MoV = 0.286267 | VoV = 0.001627 ] [SYS][ GML = 0.004072 | AML = 2.035889 | MoV = 0.003192 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.1282498836517334
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.10 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5069 | LCC = 0.6373 | SRCC = 0.6076 ] [SYS][ MSE = 0.0340 | LCC = 0.9766 | SRCC = 0.9405 ]
[Valid(teacher)][33][UTT][ GML = 0.300611 | AML = 0.450780 | MoV = 0.284168 | VoV = 0.001729 ] [SYS][ GML = 0.028522 | AML = 2.673282 | MoV = 0.003160 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.14629852771759033
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.02 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5068 | LCC = 0.6369 | SRCC = 0.6076 ] [SYS][ MSE = 0.0294 | LCC = 0.9768 | SRCC = 0.9419 ]
[Valid(teacher)][34][UTT][ GML = 0.298034 | AML = 0.452508 | MoV = 0.279309 | VoV = 0.001738 ] [SYS][ GML = 0.056147 | AML = 2.808417 | MoV = 0.003100 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.15403711795806885
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.42 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5046 | LCC = 0.6366 | SRCC = 0.6070 ] [SYS][ MSE = 0.0300 | LCC = 0.9786 | SRCC = 0.9426 ]
[Valid(teacher)][35][UTT][ GML = 0.298244 | AML = 0.453802 | MoV = 0.276866 | VoV = 0.001655 ] [SYS][ GML = 0.051500 | AML = 2.812717 | MoV = 0.003076 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.1584937870502472
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.59 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5016 | LCC = 0.6366 | SRCC = 0.6077 ] [SYS][ MSE = 0.0195 | LCC = 0.9764 | SRCC = 0.9426 ]
[Valid(teacher)][36][UTT][ GML = 0.299309 | AML = 0.457603 | MoV = 0.274522 | VoV = 0.001658 ] [SYS][ GML = 0.282898 | AML = 1.949247 | MoV = 0.003036 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.17297962307929993
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.81 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5038 | LCC = 0.6361 | SRCC = 0.6075 ] [SYS][ MSE = 0.0198 | LCC = 0.9753 | SRCC = 0.9419 ]
[Valid(teacher)][37][UTT][ GML = 0.297213 | AML = 0.458115 | MoV = 0.272129 | VoV = 0.001587 ] [SYS][ GML = 0.237641 | AML = 1.419745 | MoV = 0.003013 | VoV = 0.000004 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.18677738308906555
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.55 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5062 | LCC = 0.6341 | SRCC = 0.6053 ] [SYS][ MSE = 0.0201 | LCC = 0.9751 | SRCC = 0.9453 ]
[Valid(teacher)][38][UTT][ GML = 0.292793 | AML = 0.458487 | MoV = 0.266915 | VoV = 0.001580 ] [SYS][ GML = 0.223974 | AML = 1.389072 | MoV = 0.002953 | VoV = 0.000004 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.19847948849201202
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.06 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5107 | LCC = 0.6324 | SRCC = 0.6042 ] [SYS][ MSE = 0.0205 | LCC = 0.9744 | SRCC = 0.9378 ]
[Valid(teacher)][39][UTT][ GML = 0.288048 | AML = 0.457559 | MoV = 0.263131 | VoV = 0.001569 ] [SYS][ GML = 0.211707 | AML = 1.350897 | MoV = 0.002915 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.2055786103010176
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.05 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5107 | LCC = 0.6328 | SRCC = 0.6047 ] [SYS][ MSE = 0.0214 | LCC = 0.9740 | SRCC = 0.9378 ]
[Valid(teacher)][40][UTT][ GML = 0.286392 | AML = 0.458595 | MoV = 0.260062 | VoV = 0.001540 ] [SYS][ GML = 0.167351 | AML = 1.261067 | MoV = 0.002878 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.21876077353954315
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.18 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5099 | LCC = 0.6318 | SRCC = 0.6039 ] [SYS][ MSE = 0.0206 | LCC = 0.9747 | SRCC = 0.9501 ]
[Valid(teacher)][41][UTT][ GML = 0.285081 | AML = 0.459173 | MoV = 0.257610 | VoV = 0.001554 ] [SYS][ GML = 0.212506 | AML = 1.413173 | MoV = 0.002851 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.23361580073833466
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.09 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5149 | LCC = 0.6314 | SRCC = 0.6041 ] [SYS][ MSE = 0.0211 | LCC = 0.9747 | SRCC = 0.9385 ]
[Valid(teacher)][42][UTT][ GML = 0.279707 | AML = 0.459680 | MoV = 0.253358 | VoV = 0.001524 ] [SYS][ GML = 0.144584 | AML = 1.320471 | MoV = 0.002797 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.2407491058111908
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.86 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5234 | LCC = 0.6313 | SRCC = 0.6047 ] [SYS][ MSE = 0.0280 | LCC = 0.9732 | SRCC = 0.9439 ]
[Valid(teacher)][43][UTT][ GML = 0.273406 | AML = 0.459541 | MoV = 0.250020 | VoV = 0.001468 ] [SYS][ GML = 0.023074 | AML = 1.960775 | MoV = 0.002755 | VoV = 0.000003 ]
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Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.2482302337884903
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.84 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5304 | LCC = 0.6297 | SRCC = 0.6037 ] [SYS][ MSE = 0.0345 | LCC = 0.9734 | SRCC = 0.9542 ]
[Valid(teacher)][44][UTT][ GML = 0.268794 | AML = 0.458346 | MoV = 0.248423 | VoV = 0.001395 ] [SYS][ GML = 0.004332 | AML = 2.633665 | MoV = 0.002729 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.25787317752838135
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.39 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5207 | LCC = 0.6293 | SRCC = 0.6030 ] [SYS][ MSE = 0.0262 | LCC = 0.9751 | SRCC = 0.9494 ]
[Valid(teacher)][45][UTT][ GML = 0.272970 | AML = 0.460733 | MoV = 0.247339 | VoV = 0.001430 ] [SYS][ GML = 0.035576 | AML = 2.451962 | MoV = 0.002722 | VoV = 0.000003 ]
Train: 100% 845/845 [03:22<00:00,  4.18 step/s]
Average loss=-0.2722790837287903
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.75 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5257 | LCC = 0.6291 | SRCC = 0.6028 ] [SYS][ MSE = 0.0292 | LCC = 0.9753 | SRCC = 0.9515 ]
[Valid(teacher)][46][UTT][ GML = 0.267446 | AML = 0.460732 | MoV = 0.243949 | VoV = 0.001433 ] [SYS][ GML = 0.015619 | AML = 2.732361 | MoV = 0.002680 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.13 step/s]
Average loss=-0.2791450619697571
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.36 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5315 | LCC = 0.6283 | SRCC = 0.6026 ] [SYS][ MSE = 0.0296 | LCC = 0.9745 | SRCC = 0.9508 ]
[Valid(teacher)][47][UTT][ GML = 0.261737 | AML = 0.460239 | MoV = 0.241284 | VoV = 0.001457 ] [SYS][ GML = 0.013356 | AML = 2.391153 | MoV = 0.002662 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.28059014678001404
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.77 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5382 | LCC = 0.6280 | SRCC = 0.6027 ] [SYS][ MSE = 0.0364 | LCC = 0.9735 | SRCC = 0.9508 ]
[Valid(teacher)][48][UTT][ GML = 0.258308 | AML = 0.459711 | MoV = 0.240049 | VoV = 0.001366 ] [SYS][ GML = 0.002184 | AML = 2.700510 | MoV = 0.002641 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.14 step/s]
Average loss=-0.30341237783432007
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.19 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5386 | LCC = 0.6255 | SRCC = 0.6001 ] [SYS][ MSE = 0.0365 | LCC = 0.9742 | SRCC = 0.9494 ]
[Valid(teacher)][49][UTT][ GML = 0.255632 | AML = 0.459458 | MoV = 0.236791 | VoV = 0.001343 ] [SYS][ GML = 0.001854 | AML = 2.629262 | MoV = 0.002602 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.30491968989372253
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.02 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5273 | LCC = 0.6259 | SRCC = 0.6002 ] [SYS][ MSE = 0.0280 | LCC = 0.9764 | SRCC = 0.9487 ]
[Valid(teacher)][50][UTT][ GML = 0.261906 | AML = 0.461767 | MoV = 0.236883 | VoV = 0.001379 ] [SYS][ GML = 0.019364 | AML = 2.868271 | MoV = 0.002606 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.316153347492218
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.09 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5478 | LCC = 0.6237 | SRCC = 0.5987 ] [SYS][ MSE = 0.0403 | LCC = 0.9745 | SRCC = 0.9487 ]
[Valid(teacher)][51][UTT][ GML = 0.247258 | AML = 0.459052 | MoV = 0.232154 | VoV = 0.001326 ] [SYS][ GML = 0.000709 | AML = 2.400801 | MoV = 0.002552 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.32637709379196167
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.59 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5501 | LCC = 0.6228 | SRCC = 0.5987 ] [SYS][ MSE = 0.0410 | LCC = 0.9734 | SRCC = 0.9453 ]
[Valid(teacher)][52][UTT][ GML = 0.245065 | AML = 0.458792 | MoV = 0.231060 | VoV = 0.001356 ] [SYS][ GML = 0.000579 | AML = 2.469143 | MoV = 0.002540 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.33846989274024963
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.05 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5373 | LCC = 0.6240 | SRCC = 0.5992 ] [SYS][ MSE = 0.0333 | LCC = 0.9747 | SRCC = 0.9487 ]
[Valid(teacher)][53][UTT][ GML = 0.250778 | AML = 0.462247 | MoV = 0.229877 | VoV = 0.001406 ] [SYS][ GML = 0.004222 | AML = 2.894822 | MoV = 0.002531 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.3451171815395355
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.47 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5461 | LCC = 0.6218 | SRCC = 0.5975 ] [SYS][ MSE = 0.0406 | LCC = 0.9739 | SRCC = 0.9494 ]
[Valid(teacher)][54][UTT][ GML = 0.243924 | AML = 0.460660 | MoV = 0.227248 | VoV = 0.001375 ] [SYS][ GML = 0.000543 | AML = 2.196398 | MoV = 0.002494 | VoV = 0.000002 ]
Train: 100% 845/845 [03:24<00:00,  4.14 step/s]
Average loss=-0.3562585115432739
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.50 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5451 | LCC = 0.6206 | SRCC = 0.5968 ] [SYS][ MSE = 0.0399 | LCC = 0.9735 | SRCC = 0.9460 ]
[Valid(teacher)][55][UTT][ GML = 0.241870 | AML = 0.461128 | MoV = 0.224821 | VoV = 0.001353 ] [SYS][ GML = 0.000633 | AML = 2.298661 | MoV = 0.002471 | VoV = 0.000002 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.365684449672699
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.69 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5448 | LCC = 0.6203 | SRCC = 0.5958 ] [SYS][ MSE = 0.0385 | LCC = 0.9749 | SRCC = 0.9494 ]
[Valid(teacher)][56][UTT][ GML = 0.239551 | AML = 0.462041 | MoV = 0.222087 | VoV = 0.001303 ] [SYS][ GML = 0.000811 | AML = 2.293226 | MoV = 0.002440 | VoV = 0.000002 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.37071043252944946
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.09 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5345 | LCC = 0.6187 | SRCC = 0.5943 ] [SYS][ MSE = 0.0311 | LCC = 0.9759 | SRCC = 0.9542 ]
[Valid(teacher)][57][UTT][ GML = 0.244755 | AML = 0.463098 | MoV = 0.221895 | VoV = 0.001321 ] [SYS][ GML = 0.007544 | AML = 2.618696 | MoV = 0.002449 | VoV = 0.000002 ]
Train: 100% 845/845 [03:22<00:00,  4.17 step/s]
Average loss=-0.37923720479011536
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.38 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5420 | LCC = 0.6191 | SRCC = 0.5943 ] [SYS][ MSE = 0.0360 | LCC = 0.9754 | SRCC = 0.9432 ]
[Valid(teacher)][58][UTT][ GML = 0.238246 | AML = 0.462403 | MoV = 0.219622 | VoV = 0.001391 ] [SYS][ GML = 0.001568 | AML = 2.419386 | MoV = 0.002421 | VoV = 0.000002 ]
Train: 100% 845/845 [03:23<00:00,  4.16 step/s]
Average loss=-0.3820455051231384
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.07 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5324 | LCC = 0.6200 | SRCC = 0.5951 ] [SYS][ MSE = 0.0310 | LCC = 0.9760 | SRCC = 0.9508 ]
[Valid(teacher)][59][UTT][ GML = 0.242692 | AML = 0.464218 | MoV = 0.218499 | VoV = 0.001382 ] [SYS][ GML = 0.006249 | AML = 2.761182 | MoV = 0.002410 | VoV = 0.000002 ]
Train: 100% 845/845 [03:23<00:00,  4.15 step/s]
Average loss=-0.39802393317222595
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.20 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5514 | LCC = 0.6191 | SRCC = 0.5946 ] [SYS][ MSE = 0.0449 | LCC = 0.9750 | SRCC = 0.9460 ]
[Valid(teacher)][60][UTT][ GML = 0.230414 | AML = 0.460355 | MoV = 0.215797 | VoV = 0.001332 ] [SYS][ GML = 0.000094 | AML = 1.355815 | MoV = 0.002372 | 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 [00:20<00:00, 193.57 step/s]

[Test(best)][61][UTT][ MSE = 0.4780 | LCC = 0.6625 | SRCC = 0.6270 ] [SYS][ MSE = 0.0288 | LCC = 0.9785 | SRCC = 0.9494 ]
[Test(best)][61][UTT][ GML = 0.317296 | AML = 0.463313 | MoV = 0.283928 | VoV = 0.001787 ] [SYS][ GML = 0.017287 | AML = 2.335624 | MoV = 0.002311 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:20<00:00, 195.92 step/s]

[Test(last)][61][UTT][ MSE = 0.5440 | LCC = 0.6357 | SRCC = 0.6059 ] [SYS][ MSE = 0.0505 | LCC = 0.9781 | SRCC = 0.9597 ]
[Test(last)][61][UTT][ GML = 0.236091 | AML = 0.464153 | MoV = 0.215549 | VoV = 0.001427 ] [SYS][ GML = 0.000000 | AML = 0.946994 | MoV = 0.001736 | VoV = 0.000001 ]
(lxygpu) [x_xlian@node025 ProMOSNet]$
```