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xgboost [x_xliangnode009] python train.py --lamb_c=0 --lamb_t=1 --save_path "run4"
Loading all wav files.
100% [x_xliangnode009] | 54040/54040 [09:04:00:00, 99.22it/s]
/proj/ihorse_2021/users/x_xliang/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% [x_xliangnode009] | 3000/3000 [01:59:00:00, 25.00it/s]
/proj/ihorse_2021/users/x_xliang/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% [x_xliangnode009] | 4000/4000 [02:44:00:00, 24.38it/s]
/proj/ihorse_2021/users/x_xliang/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 [03:40:00:00, 3.83 step/s]
Average loss=2085.724609375
Valid(teacher): 100% 3000/3000 [00:21:00:00, 140.27 step/s]

[Valid(teacher)][0][UTT] MSE = 1.1886 | LCC = 0.4883 | SRCC = 0.4645 | [SYS] MSE = 0.9107 | LCC = 0.8093 | SRCC = 0.8366 |
[Valid(teacher)][0][UTT] GML = 0.179263 | AML = 0.288949 | MoV = 0.548781 | VoV = 0.006101 | [SYS] GML = 0.000000 | AML = 0.000005 | MoV = 0.006326 | VoV = 0.000027 |
Train: 100% 845/845 [03:32:00:00, 3.98 step/s]
Average loss=0.5049329996109009
Valid(teacher): 100% 3000/3000 [00:17:00:00, 169.59 step/s]

[Valid(teacher)][1][UTT] MSE = 0.7983 | LCC = 0.5579 | SRCC = 0.5167 | [SYS] MSE = 0.3585 | LCC = 0.9025 | SRCC = 0.8455 |
[Valid(teacher)][1][UTT] GML = 0.237066 | AML = 0.341548 | MoV = 0.519375 | VoV = 0.008165 | [SYS] GML = 0.000000 | AML = 0.528902 | MoV = 0.006047 | VoV = 0.000026 |
Train: 100% 845/845 [03:33:00:00, 3.96 step/s]
Average loss=0.4088989496231079
Valid(teacher): 100% 3000/3000 [00:16:00:00, 182.41 step/s]

[Valid(teacher)][2][UTT] MSE = 0.7668 | LCC = 0.5916 | SRCC = 0.5449 | [SYS] MSE = 0.3338 | LCC = 0.9343 | SRCC = 0.8619 |
[Valid(teacher)][2][UTT] GML = 0.248488 | AML = 0.348288 | MoV = 0.503859 | VoV = 0.006729 | [SYS] GML = 0.000000 | AML = 0.134880 | MoV = 0.005792 | VoV = 0.000021 |
Train: 100% 845/845 [03:33:00:00, 3.96 step/s]
Average loss=0.3482627868652344
Valid(teacher): 100% 3000/3000 [00:19:00:00, 155.86 step/s]

[Valid(teacher)][3][UTT] MSE = 0.7426 | LCC = 0.6063 | SRCC = 0.5589 | [SYS] MSE = 0.3091 | LCC = 0.9468 | SRCC = 0.8844 |
[Valid(teacher)][3][UTT] GML = 0.254067 | AML = 0.357148 | MoV = 0.474452 | VoV = 0.005058 | [SYS] GML = 0.000000 | AML = 0.017219 | MoV = 0.005389 | VoV = 0.000016 |
Train: 100% 845/845 [03:32:00:00, 3.98 step/s]
Average loss=0.30685189366340637
Valid(teacher): 100% 3000/3000 [00:19:00:00, 153.00 step/s]

[Valid(teacher)][4][UTT] MSE = 1.0797 | LCC = 0.6131 | SRCC = 0.5678 | [SYS] MSE = 0.6881 | LCC = 0.9545 | SRCC = 0.8961 |
[Valid(teacher)][4][UTT] GML = 0.159229 | AML = 0.304200 | MoV = 0.431482 | VoV = 0.005951 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004982 | VoV = 0.000017 |
Train: 100% 845/845 [03:33:00:00, 3.95 step/s]
Average loss=0.27907025814056396
Valid(teacher): 100% 3000/3000 [00:19:00:00, 153.51 step/s]

[Valid(teacher)][5][UTT] MSE = 1.0492 | LCC = 0.6125 | SRCC = 0.5675 | [SYS] MSE = 0.6512 | LCC = 0.9546 | SRCC = 0.8968 |
[Valid(teacher)][5][UTT] GML = 0.164411 | AML = 0.309628 | MoV = 0.431941 | VoV = 0.005894 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004975 | VoV = 0.000016 |
Train: 100% 845/845 [03:31:00:00, 4.00 step/s]
Average loss=0.25759437680244446
Valid(teacher): 100% 3000/3000 [00:19:00:00, 156.48 step/s]

[Valid(teacher)][6][UTT] MSE = 1.1921 | LCC = 0.6126 | SRCC = 0.5689 | [SYS] MSE = 0.8049 | LCC = 0.9581 | SRCC = 0.9145 |
[Valid(teacher)][6][UTT] GML = 0.133598 | AML = 0.287825 | MoV = 0.419069 | VoV = 0.006054 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004859 | VoV = 0.000016 |
Train: 100% 845/845 [03:31:00:00, 3.99 step/s]
Average loss=0.23834490776062012
Valid(teacher): 100% 3000/3000 [00:20:00:00, 149.18 step/s]

[Valid(teacher)][7][UTT] MSE = 1.1413 | LCC = 0.6114 | SRCC = 0.5698 | [SYS] MSE = 0.7569 | LCC = 0.9592 | SRCC = 0.9186 |
[Valid(teacher)][7][UTT] GML = 0.144922 | AML = 0.296825 | MoV = 0.417314 | VoV = 0.005427 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004832 | VoV = 0.000016 |
Train: 100% 845/845 [03:31:00:00, 3.99 step/s]
Average loss=0.21481695771217346
Valid(teacher): 100% 3000/3000 [00:19:00:00, 151.71 step/s]

[Valid(teacher)][8][UTT] MSE = 1.0537 | LCC = 0.6167 | SRCC = 0.5776 | [SYS] MSE = 0.6729 | LCC = 0.9631 | SRCC = 0.9227 |
[Valid(teacher)][8][UTT] GML = 0.164286 | AML = 0.311775 | MoV = 0.411799 | VoV = 0.004559 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004750 | VoV = 0.000014 |
Train: 100% 845/845 [03:32:00:00, 3.98 step/s]
Average loss=0.19127264618873596
Valid(teacher): 100% 3000/3000 [00:18:00:00, 159.82 step/s]

[Valid(teacher)][9][UTT] MSE = 0.8567 | LCC = 0.6234 | SRCC = 0.5842 | [SYS] MSE = 0.4586 | LCC = 0.9665 | SRCC = 0.9248 |
[Valid(teacher)][9][UTT] GML = 0.214409 | AML = 0.345635 | MoV = 0.416089 | VoV = 0.003765 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004753 | VoV = 0.000013 |
Train: 100% 845/845 [03:31:00:00, 3.99 step/s]
Average loss=0.1654362827539444
Valid(teacher): 100% 3000/3000 [00:19:00:00, 150.28 step/s]

[Valid(teacher)][10][UTT] MSE = 0.8258 | LCC = 0.6259 | SRCC = 0.5876 | [SYS] MSE = 0.4275 | LCC = 0.9676 | SRCC = 0.9282 |
[Valid(teacher)][10][UTT] GML = 0.221426 | AML = 0.352415 | MoV = 0.408594 | VoV = 0.003564 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004674 | VoV = 0.000013 |
Train: 100% 845/845 [03:32:00:00, 3.97 step/s]
Average loss=0.1473379284143448
Valid(teacher): 100% 3000/3000 [00:19:00:00, 150.91 step/s]

[Valid(teacher)][11][UTT] MSE = 0.7620 | LCC = 0.6316 | SRCC = 0.5936 | [SYS] MSE = 0.3619 | LCC = 0.9689 | SRCC = 0.9221 |
[Valid(teacher)][11][UTT] GML = 0.240252 | AML = 0.365276 | MoV = 0.406132 | VoV = 0.003442 | [SYS] GML = 0.000000 | AML = 0.000001 | MoV = 0.004645 | VoV = 0.000012 |
Train: 100% 84
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Average loss=-0.04818796366453171  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 175.89 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.6446 | LCC = 0.6476 | SRCC = 0.6160 ] [SYS][ MSE = 0.2388 | LCC = 0.9737 | SRCC = 0.9241 ]  
[Valid(teacher)][20][UTT][ GML = 0.266999 | AML = 0.395473 | MoV = 0.356032 | VoV = 0.002514 ] [SYS][ GML = 0.000000 | AML = 0.000664 | MoV = 0.004048 | VoV = 0.000009 ]  
Train: 100% 845/845 [03:37<00:00, 3.88 step/s]  
Average loss=-0.06340357661247253  
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.18 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.6542 | LCC = 0.6465 | SRCC = 0.6142 ] [SYS][ MSE = 0.2464 | LCC = 0.9734 | SRCC = 0.9214 ]  
[Valid(teacher)][21][UTT][ GML = 0.261358 | AML = 0.394375 | MoV = 0.358479 | VoV = 0.002382 ] [SYS][ GML = 0.000000 | AML = 0.000468 | MoV = 0.003986 | VoV = 0.000008 ]  
Train: 100% 845/845 [03:35<00:00, 3.92 step/s]  
Average loss=-0.08674442768096924  
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.19 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.6414 | LCC = 0.6451 | SRCC = 0.6123 ] [SYS][ MSE = 0.2263 | LCC = 0.9735 | SRCC = 0.9179 ]  
[Valid(teacher)][22][UTT][ GML = 0.263853 | AML = 0.398217 | MoV = 0.344358 | VoV = 0.002291 ] [SYS][ GML = 0.000000 | AML = 0.002452 | MoV = 0.003914 | VoV = 0.000008 ]  
Train: 100% 845/845 [03:33<00:00, 3.95 step/s]  
Average loss=-0.10624729841947556  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 170.11 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.6587 | LCC = 0.6438 | SRCC = 0.6118 ] [SYS][ MSE = 0.2393 | LCC = 0.9745 | SRCC = 0.9248 ]  
[Valid(teacher)][23][UTT][ GML = 0.252765 | AML = 0.395780 | MoV = 0.336882 | VoV = 0.002630 ] [SYS][ GML = 0.000000 | AML = 0.000241 | MoV = 0.003838 | VoV = 0.000008 ]  
Train: 100% 845/845 [03:33<00:00, 3.96 step/s]  
Average loss=-0.12484850734472275  
Valid(teacher): 100% 3000/3000 [00:20<00:00, 147.64 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.6171 | LCC = 0.6440 | SRCC = 0.6114 ] [SYS][ MSE = 0.1903 | LCC = 0.9753 | SRCC = 0.9303 ]  
[Valid(teacher)][24][UTT][ GML = 0.266858 | AML = 0.406514 | MoV = 0.331774 | VoV = 0.002486 ] [SYS][ GML = 0.000000 | AML = 0.001845 | MoV = 0.003769 | VoV = 0.000008 ]  
Train: 100% 845/845 [03:33<00:00, 3.96 step/s]  
Average loss=-0.1356326937675476  
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.61 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.6365 | LCC = 0.6420 | SRCC = 0.6092 ] [SYS][ MSE = 0.2085 | LCC = 0.9760 | SRCC = 0.9248 ]  
[Valid(teacher)][25][UTT][ GML = 0.257260 | AML = 0.402921 | MoV = 0.328610 | VoV = 0.002518 ] [SYS][ GML = 0.000000 | AML = 0.000512 | MoV = 0.003733 | VoV = 0.000008 ]  
Train: 100% 845/845 [03:33<00:00, 3.96 step/s]  
Average loss=-0.15385890007019043  
Valid(teacher): 100% 3000/3000 [00:20<00:00, 149.37 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.6207 | LCC = 0.6426 | SRCC = 0.6095 ] [SYS][ MSE = 0.1921 | LCC = 0.9774 | SRCC = 0.9344 ]  
[Valid(teacher)][26][UTT][ GML = 0.263071 | AML = 0.406656 | MoV = 0.325709 | VoV = 0.002463 ] [SYS][ GML = 0.000000 | AML = 0.000853 | MoV = 0.003693 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:31<00:00, 4.00 step/s]  
Average loss=-0.17590323090553284  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.48 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.6058 | LCC = 0.6407 | SRCC = 0.6077 ] [SYS][ MSE = 0.1733 | LCC = 0.9777 | SRCC = 0.9344 ]  
[Valid(teacher)][27][UTT][ GML = 0.267457 | AML = 0.411677 | MoV = 0.320898 | VoV = 0.002325 ] [SYS][ GML = 0.000000 | AML = 0.002629 | MoV = 0.003628 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:30<00:00, 4.02 step/s]  
Average loss=-0.18950028717517853  
Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.55 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.6098 | LCC = 0.6395 | SRCC = 0.6061 ] [SYS][ MSE = 0.1752 | LCC = 0.9784 | SRCC = 0.9350 ]  
[Valid(teacher)][28][UTT][ GML = 0.264995 | AML = 0.411558 | MoV = 0.317920 | VoV = 0.002155 ] [SYS][ GML = 0.000000 | AML = 0.002604 | MoV = 0.003593 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:30<00:00, 4.02 step/s]  
Average loss=-0.21061009168624878  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.94 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5904 | LCC = 0.6390 | SRCC = 0.6045 ] [SYS][ MSE = 0.1554 | LCC = 0.9782 | SRCC = 0.9303 ]  
[Valid(teacher)][29][UTT][ GML = 0.270569 | AML = 0.417052 | MoV = 0.312499 | VoV = 0.002159 ] [SYS][ GML = 0.000000 | AML = 0.008441 | MoV = 0.003534 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:33<00:00, 3.95 step/s]  
Average loss=-0.22456035017967224  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.55 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.5976 | LCC = 0.6356 | SRCC = 0.6004 ] [SYS][ MSE = 0.1598 | LCC = 0.9775 | SRCC = 0.9350 ]  
[Valid(teacher)][30][UTT][ GML = 0.265066 | AML = 0.415731 | MoV = 0.308305 | VoV = 0.002148 ] [SYS][ GML = 0.000000 | AML = 0.008517 | MoV = 0.003495 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:28<00:00, 4.06 step/s]  
Average loss=-0.2302158480035202  
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.97 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5769 | LCC = 0.6366 | SRCC = 0.6017 ] [SYS][ MSE = 0.1374 | LCC = 0.9770 | SRCC = 0.9309 ]  
[Valid(teacher)][31][UTT][ GML = 0.273915 | AML = 0.421640 | MoV = 0.305671 | VoV = 0.001968 ] [SYS][ GML = 0.000000 | AML = 0.062978 | MoV = 0.003464 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:27<00:00, 4.08 step/s]  
Average loss=-0.24894024431705475  
Valid(teacher): 100% 3000/3000 [00:16<00:00, 179.73 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5422 | LCC = 0.6366 | SRCC = 0.6016 ] [SYS][ MSE = 0.0984 | LCC = 0.9766 | SRCC = 0.9323 ]  
[Valid(teacher)][32][UTT][ GML = 0.289501 | AML = 0.431580 | MoV = 0.303254 | VoV = 0.001877 ] [SYS][ GML = 0.000001 | AML = 0.466479 | MoV = 0.003430 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:29<00:00, 4.04 step/s]  
Average loss=-0.2682541310787201  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.05 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5504 | LCC = 0.6355 | SRCC = 0.6014 ] [SYS][ MSE = 0.1037 | LCC = 0.9781 | SRCC = 0.9323 ]  
[Valid(teacher)][33][UTT][ GML = 0.283988 | AML = 0.430450 | MoV = 0.298667 | VoV = 0.001823 ] [SYS][ GML = 0.000000 | AML = 0.271229 | MoV = 0.003377 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:27<00:00, 4.07 step/s]  
Average loss=-0.2837289869785309  
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.13 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5488 | LCC = 0.6335 | SRCC = 0.5991 ] [SYS][ MSE = 0.0971 | LCC = 0.9786 | SRCC = 0.9364 ]  
[Valid(teacher)][34][UTT][ GML = 0.283439 | AML = 0.431392 | MoV = 0.296392 | VoV = 0.001896 ] [SYS][ GML = 0.000001 | AML = 0.383950 | MoV = 0.003347 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:27<00:00, 4.07 step/s]  
Average loss=-0.2957519292831421  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 174.74 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5432 | LCC = 0.6330 | SRCC = 0.5987 ] [SYS][ MSE = 0.0897 | LCC = 0.9773 | SRCC = 0.9371 ]  
[Valid(teacher)][35][UTT][ GML = 0.285311 | AML = 0.434191 | MoV = 0.294834 | VoV = 0.001867 ] [SYS][ GML = 0.000003 | AML = 0.660198 | MoV = 0.003325 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:28<00:00, 4.06 step/s]  
Average loss=-0.3172239661216736  
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.51 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5270 | LCC = 0.6324 | SRCC = 0.5975 ] [SYS][ MSE = 0.0731 | LCC = 0.9771 | SRCC = 0.9344 ]  
[Valid(teacher)][36][UTT][ GML = 0.291658 | AML = 0.439962 | MoV = 0.290611 | VoV = 0.001833 ] [SYS][ GML = 0.000052 | AML = 1.228791 | MoV = 0.003281 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:28<00:00, 4.06 step/s]  
Average loss=-0.3336160480976105  
Valid(teacher): 100% 3000/3000 [00:17<00:00, 170.59 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.5263 | LCC = 0.6325 | SRCC = 0.5972 ] [SYS][ MSE = 0.0696 | LCC = 0.9793 | SRCC = 0.9309 ]  
[Valid(teacher)][37][UTT][ GML = 0.289368 | AML = 0.441695 | MoV = 0.284549 | VoV = 0.001772 ] [SYS][ GML = 0.000076 | AML = 1.119835 | MoV = 0.003207 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:28<00:00, 4.04 step/s]  
Average loss=-0.343685507774353  
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.73 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.5388 | LCC = 0.6321 | SRCC = 0.5972 ] [SYS][ MSE = 0.0834 | LCC = 0.9790 | SRCC = 0.9330 ]  
[Valid(teacher)][38][UTT][ GML = 0.280473 | AML = 0.439076 | MoV = 0.278959 | VoV = 0.001707 ] [SYS][ GML = 0.000004 | AML = 0.727349 | MoV = 0.003154 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:47<00:00, 3.71 step/s]  
Average loss=-0.35542845726013184  
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.24 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.5190 | LCC = 0.6318 | SRCC = 0.5971 ] [SYS][ MSE = 0.0628 | LCC = 0.9797 | SRCC = 0.9330 ]  
[Valid(teacher)][39][UTT][ GML = 0.289754 | AML = 0.445141 | MoV = 0.276006 | VoV = 0.001644 ] [SYS][ GML = 0.000270 | AML = 1.309373 | MoV = 0.003117 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:32<00:00, 3.98 step/s]  
Average loss=-0.3701508045196533  
Valid(teacher): 100% 3000/3000 [00:16<00:00, 179.18 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.5288 | LCC = 0.6309 | SRCC = 0.5971 ] [SYS][ MSE = 0.0700 | LCC = 0.9796 | SRCC = 0.9330 ]  
[Valid(teacher)][40][UTT][ GML = 0.282552 | AML = 0.442880 | MoV = 0.273766 | VoV = 0.001730 ] [SYS][ GML = 0.000054 | AML = 1.076397 | MoV = 0.003095 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:59<00:00, 3.53 step/s]  
Average loss=-0.37954241037368774  
Valid(teacher): 100% 3000/3000 [00:21<00:00, 141.76 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.5119 | LCC = 0.6320 | SRCC = 0.5981 ] [SYS][ MSE = 0.0528 | LCC = 0.9793 | SRCC = 0.9289 ]  
[Valid(teacher)][41][UTT][ GML = 0.292006 | AML = 0.448052 | MoV = 0.272742 | VoV = 0.001665 ] [SYS][ GML = 0.001500 | AML = 1.689825 | MoV = 0.003074 | VoV = 0.000005 ]  
Train: 100% 845/845 [04:26<00:00, 3.17 step/s]  
Average loss=-0.3926142156124115  
Valid(teacher): 100% 3000/3000 [00:22<00:00, 130.83 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.5062 | LCC = 0.6318 | SRCC = 0.5984 ] [SYS][ MSE = 0.0457 | LCC = 0.9789 | SRCC = 0.9350 ]  
[Valid(teacher)][42][UTT][ GML = 0.293627 | AML = 0.450783 | MoV = 0.269378 | VoV = 0.001547 ] [SYS][ GML = 0.005386 | AML = 2.002114 | MoV = 0.003035 | VoV = 0.000005 ]  
Train: 100% 845/845 [04:18<00:00, 3.27 step/s]  
Average loss=-0.4113207459449768  
Valid(teacher): 100% 3000/3000 [00:20<00:00, 143.92 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.5038 | LCC = 0.6300 | SRCC = 0.5963 ] [SYS][ MSE = 0.0396 | LCC = 0.9778 | SRCC = 0.9255 ]  
[Valid(teacher)][43][UTT][ GML = 0.292102 | AML = 0.453407 | MoV = 0.264305 | VoV = 0.001488 ] [SYS][ GML = 0.013953 | AML = 2.353356 | MoV = 0.002973 | VoV = 0.000005 ]

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Train: 100% 845/845 [03:54<00:00, 3.60 step/s]
Average loss=-0.4295271933078766
Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.52 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5107 | LCC = 0.6299 | SRCC = 0.5967 | [SYS][ MSE = 0.0449 | LCC = 0.9774 | SRCC = 0.9350 ]
[Valid(teacher)][44][UTT][ GML = 0.284951 | AML = 0.452934 | MoV = 0.259982 | VoV = 0.001513 ] [SYS][ GML = 0.004102 | AML = 1.958060 | MoV = 0.002935 | VoV = 0.000005 ]
Train: 100% 845/845 [03:28<00:00, 4.06 step/s]
Average loss=-0.4425634741783142
Valid(teacher): 100% 3000/3000 [00:17<00:00, 166.86 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5026 | LCC = 0.6310 | SRCC = 0.5985 | [SYS][ MSE = 0.0353 | LCC = 0.9784 | SRCC = 0.9309 ]
[Valid(teacher)][45][UTT][ GML = 0.287968 | AML = 0.456660 | MoV = 0.257934 | VoV = 0.001598 ] [SYS][ GML = 0.026191 | AML = 2.725119 | MoV = 0.002906 | VoV = 0.000005 ]
Train: 100% 845/845 [03:30<00:00, 4.02 step/s]
Average loss=-0.45515677332878113
Valid(teacher): 100% 3000/3000 [00:16<00:00, 182.04 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5003 | LCC = 0.6306 | SRCC = 0.5984 | [SYS][ MSE = 0.0338 | LCC = 0.9794 | SRCC = 0.9289 ]
[Valid(teacher)][46][UTT][ GML = 0.288300 | AML = 0.457633 | MoV = 0.255735 | VoV = 0.001629 ] [SYS][ GML = 0.034795 | AML = 2.802419 | MoV = 0.002880 | VoV = 0.000004 ]
Train: 100% 845/845 [03:33<00:00, 3.96 step/s]
Average loss=-0.46401330828666687
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.02 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5060 | LCC = 0.6286 | SRCC = 0.5960 | [SYS][ MSE = 0.0346 | LCC = 0.9792 | SRCC = 0.9289 ]
[Valid(teacher)][47][UTT][ GML = 0.283910 | AML = 0.456183 | MoV = 0.253833 | VoV = 0.001548 ] [SYS][ GML = 0.024748 | AML = 2.794916 | MoV = 0.002859 | VoV = 0.000004 ]
Train: 100% 845/845 [03:31<00:00, 4.00 step/s]
Average loss=-0.4793583154678345
Valid(teacher): 100% 3000/3000 [00:19<00:00, 150.10 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.5060 | LCC = 0.6281 | SRCC = 0.5953 | [SYS][ MSE = 0.0365 | LCC = 0.9796 | SRCC = 0.9364 ]
[Valid(teacher)][48][UTT][ GML = 0.281453 | AML = 0.457268 | MoV = 0.249599 | VoV = 0.001539 ] [SYS][ GML = 0.018925 | AML = 2.763459 | MoV = 0.002816 | VoV = 0.000004 ]
Train: 100% 845/845 [03:30<00:00, 4.02 step/s]
Average loss=-0.49236440658569336
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.74 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.4987 | LCC = 0.6271 | SRCC = 0.5949 | [SYS][ MSE = 0.0265 | LCC = 0.9792 | SRCC = 0.9364 ]
[Valid(teacher)][49][UTT][ GML = 0.284343 | AML = 0.461153 | MoV = 0.246527 | VoV = 0.001501 ] [SYS][ GML = 0.128613 | AML = 2.777491 | MoV = 0.002766 | VoV = 0.000004 ]
Train: 100% 845/845 [03:29<00:00, 4.03 step/s]
Average loss=-0.5070497989654541
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.98 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5043 | LCC = 0.6274 | SRCC = 0.5959 | [SYS][ MSE = 0.0315 | LCC = 0.9794 | SRCC = 0.9316 ]
[Valid(teacher)][50][UTT][ GML = 0.279252 | AML = 0.460090 | MoV = 0.243874 | VoV = 0.001427 ] [SYS][ GML = 0.044808 | AML = 3.063532 | MoV = 0.002735 | VoV = 0.000004 ]
Train: 100% 845/845 [03:30<00:00, 4.01 step/s]
Average loss=-0.523956298828125
Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.49 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5034 | LCC = 0.6256 | SRCC = 0.5942 | [SYS][ MSE = 0.0290 | LCC = 0.9791 | SRCC = 0.9296 ]
[Valid(teacher)][51][UTT][ GML = 0.278638 | AML = 0.461328 | MoV = 0.241084 | VoV = 0.001378 ] [SYS][ GML = 0.070939 | AML = 3.022216 | MoV = 0.002709 | VoV = 0.000004 ]
Train: 100% 845/845 [03:29<00:00, 4.04 step/s]
Average loss=-0.5295509099960327
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.47 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5004 | LCC = 0.6256 | SRCC = 0.5945 | [SYS][ MSE = 0.0254 | LCC = 0.9793 | SRCC = 0.9316 ]
[Valid(teacher)][52][UTT][ GML = 0.278941 | AML = 0.463268 | MoV = 0.239321 | VoV = 0.001436 ] [SYS][ GML = 0.143969 | AML = 2.634664 | MoV = 0.002686 | VoV = 0.000004 ]
Train: 100% 845/845 [03:29<00:00, 4.02 step/s]
Average loss=-0.5517910122871399
Valid(teacher): 100% 3000/3000 [00:17<00:00, 170.47 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5016 | LCC = 0.6241 | SRCC = 0.5931 | [SYS][ MSE = 0.0260 | LCC = 0.9793 | SRCC = 0.9296 ]
[Valid(teacher)][53][UTT][ GML = 0.276244 | AML = 0.463767 | MoV = 0.235746 | VoV = 0.001343 ] [SYS][ GML = 0.123847 | AML = 2.762980 | MoV = 0.002644 | VoV = 0.000004 ]
Train: 100% 845/845 [03:32<00:00, 3.98 step/s]
Average loss=-0.5550099611282349
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.90 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.5014 | LCC = 0.6231 | SRCC = 0.5924 | [SYS][ MSE = 0.0257 | LCC = 0.9792 | SRCC = 0.9316 ]
[Valid(teacher)][54][UTT][ GML = 0.275354 | AML = 0.464662 | MoV = 0.233512 | VoV = 0.001246 ] [SYS][ GML = 0.131955 | AML = 2.683450 | MoV = 0.002622 | VoV = 0.000004 ]
Train: 100% 845/845 [00:00<00:00, 3.99 step/s]
Average loss=-0.5681711435317993
Valid(teacher): 100% 3000/3000 [00:17<00:00, 173.39 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.5034 | LCC = 0.6244 | SRCC = 0.5931 | [SYS][ MSE = 0.0303 | LCC = 0.9792 | SRCC = 0.9337 ]
[Valid(teacher)][55][UTT][ GML = 0.272286 | AML = 0.468973 | MoV = 0.232188 | VoV = 0.001359 ] [SYS][ GML = 0.046760 | AML = 3.059744 | MoV = 0.002614 | VoV = 0.000004 ]
Train: 100% 845/845 [03:29<00:00, 4.03 step/s]
Average loss=-0.5777845978736877
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.71 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5088 | LCC = 0.6252 | SRCC = 0.5941 | [SYS][ MSE = 0.0352 | LCC = 0.9795 | SRCC = 0.9316 ]
[Valid(teacher)][56][UTT][ GML = 0.266170 | AML = 0.463025 | MoV = 0.228489 | VoV = 0.001347 ] [SYS][ GML = 0.012636 | AML = 2.895715 | MoV = 0.002584 | VoV = 0.000004 ]
Train: 100% 845/845 [03:28<00:00, 4.05 step/s]
Average loss=-0.5844921469688416
Valid(teacher): 100% 3000/3000 [00:19<00:00, 155.27 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5012 | LCC = 0.6262 | SRCC = 0.5948 | [SYS][ MSE = 0.0260 | LCC = 0.9793 | SRCC = 0.9344 ]
[Valid(teacher)][57][UTT][ GML = 0.270723 | AML = 0.466912 | MoV = 0.226990 | VoV = 0.001315 ] [SYS][ GML = 0.098885 | AML = 2.830938 | MoV = 0.002555 | VoV = 0.000004 ]
Train: 100% 845/845 [03:30<00:00, 4.01 step/s]
Average loss=-0.6005368828773499
Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.20 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4973 | LCC = 0.6252 | SRCC = 0.5943 | [SYS][ MSE = 0.0241 | LCC = 0.9779 | SRCC = 0.9275 ]
[Valid(teacher)][58][UTT][ GML = 0.273375 | AML = 0.468973 | MoV = 0.225950 | VoV = 0.001242 ] [SYS][ GML = 0.148629 | AML = 2.483587 | MoV = 0.002533 | VoV = 0.000003 ]
Train: 100% 845/845 [03:31<00:00, 4.00 step/s]
Average loss=-0.6175052523612976
Valid(teacher): 100% 3000/3000 [00:19<00:00, 156.63 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4971 | LCC = 0.6254 | SRCC = 0.5944 | [SYS][ MSE = 0.0245 | LCC = 0.9780 | SRCC = 0.9275 ]
[Valid(teacher)][59][UTT][ GML = 0.270586 | AML = 0.470091 | MoV = 0.222405 | VoV = 0.001226 ] [SYS][ GML = 0.137938 | AML = 2.502941 | MoV = 0.002500 | VoV = 0.000003 ]
Train: 100% 845/845 [03:32<00:00, 3.98 step/s]
Average loss=-0.6241277456283569
Valid(teacher): 100% 3000/3000 [00:19<00:00, 152.59 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4963 | LCC = 0.6261 | SRCC = 0.5955 | [SYS][ MSE = 0.0240 | LCC = 0.9770 | SRCC = 0.9241 ]
[Valid(teacher)][60][UTT][ GML = 0.269595 | AML = 0.471997 | MoV = 0.220971 | VoV = 0.001253 ] [SYS][ GML = 0.126797 | AML = 2.702786 | MoV = 0.002483 | VoV = 0.000003 ]
Best model performance test:
Test(best): 0% 0/4000 [00:00<?, ? step/s]/home/x_xliang/.conda/envs/lxygpu/lib/python3.8/site-packages/torch/nn/modules/rnn.py:774: UserWarning: RNN module weights are not part of single contiguous 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 [00:26<00:00, 151.35 step/s]

[Test(best)][61][UTT][ MSE = 0.6004 | LCC = 0.6572 | SRCC = 0.6216 | [SYS][ MSE = 0.1911 | LCC = 0.9769 | SRCC = 0.9562 ]
[Test(best)][61][UTT][ GML = 0.288740 | AML = 0.405035 | MoV = 0.371600 | VoV = 0.002559 ] [SYS][ GML = 0.000000 | AML = 0.018766 | MoV = 0.003069 | VoV = 0.000004 ]
Test(last): 100% 4000/4000 [00:24<00:00, 162.15 step/s]

[Test(last)][61][UTT][ MSE = 0.4930 | LCC = 0.6379 | SRCC = 0.6063 | [SYS][ MSE = 0.0222 | LCC = 0.9795 | SRCC = 0.9624 ]
[Test(last)][61][UTT][ GML = 0.270227 | AML = 0.473547 | MoV = 0.220527 | VoV = 0.001332 ] [SYS][ GML = 0.083236 | AML = 3.201435 | MoV = 0.001797 | VoV = 0.000002 ]
(lxygpu) [x_xliang@node009 ProMOSNet]$
```