```
 (lxygpu) \ [x\_xlian@node022 \ ProMOSNet]\$ \ python \ train.py --lamb\_c=1 \ --lamb\_t=0.5 \ --save\_path \ "runs/c1-t5e-1-no-sgn/run4" \ Loading all wav files. 
                                                                                                                                                                                                                                                                                                                                                                                                                          ■■■■■■ 54040/54040 [08:35<00:00. 104.91it/s]
 /proj/ihorse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view self.scores['JUDGE'][i] = self.idtable[judge_i] Loading all law files.
                                                             _____
                                                                                                                                                                                                                                                                                                                                                                                                                                               III| 3000/3000 [01:53<00:00, 26.52it/s]
100% proj/intorse_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 waw files. 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ■| 4000/4000 [02:29<00:00. 26.79it/s]
     proj/ihorse_2021/users/x_xlian/ProMOSNet/ProMOSNet/dataset.py:55: SettingWithCopyWarning 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_1]
Train: 100% 845/845 [03:28-00:00, 4.06 step/s]
Average loss=9114.244140655
Valid(teacher): 100% 3000/3000 [00:19<00:00, 151.28 step/s]
[Valid(teacher)][0][UTT][ MSE = 2.0777 | LCC = 0.4929 | SRCC = 0.4661 ] [SYS][ MSE = 1.8857 | LCC = 0.8161 | SRCC = 0.8256 ] [Valid(teacher)][0][UTT][ GML = 0.101951 | AML = 0.202188 | MoV = 0.671504 | VoV = 0.014984 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.007823 | VoV = 0.000045 ] Train: 100% 845/845 [03:28<00:00, 4.06 step/s] Average loss=0.5295271277427673
 Average loss=0.5295271277427673
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.18 step/s]
[Valid(teacher)][1][UTT][ MSE = 0.7722 | LCC = 0.5559 | SRCC = 0.5210 ] [SYS][ MSE = 0.3766 | LCC = 0.8925 | SRCC = 0.8427 ] [Valid(teacher)][1][UTT][ GML = 0.255273 | AML = 0.343235 | MoV = 0.533120 | VoV = 0.011760 ] [SYS][ GML = 0.000000 | AML = 0.098872 | MoV = 0.006392 | VoV = 0.000035 ] Train: 100% 845/845 [03:26-60:00, 4.09 step/s] Average loss-0.42962246417509305 Valid(teacher): 100% 3000/3000 [00:18-00:00, 160.89 step/s]
[Valid(teacher)][2][UTT][ MSE = 0.9119 | LCC = 0.5781 | SRCC = 0.5333 ] [SYS][ MSE = 0.4822 | LCC = 0.9192 | SRCC = 0.8304 ] [Valid(teacher)][2][UTT][ GML = 0.200295 | AML = 0.330516 | MoV = 0.455354 | VoV = 0.008088 ] [SYS][ GML = 0.000000 | AML = 0.077225 | MoV = 0.005410 | VoV = 0.000023 ] Train: 100% 845/845 [03:27-00:00, 4.07 step/s] Average loss=0.38198330994240715 Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.09 step/s]
[Valid(teacher)][3][UTT][ MSE = 2.1676 | LCC = 0.5888 | SRCC = 0.5439 ] [SYS][ MSE = 1.7714 | LCC = 0.9396 | SRCC = 0.8496 ] [Valid(teacher)][3][UTT][ GML = 0.014037 | AML = 0.162737 | MoV = 0.327402 | VoV = 0.010305 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004062 | VoV = 0.000018 ] Train: 100% 845/845 [03:26-60:00, 4.09 step/s] Average loss=0.35021863348121643 Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.80 step/s]
[Valid(teacher)][4][UTT][ MSE = 1.3724 | LCC = 0.5985 | SRCC = 0.5495 ] [SYS][ MSE = 0.9477 | LCC = 0.9441 | SRCC = 0.8564 ] [Valid(teacher)][4][UTT][ GML = 0.076111 | AML = 0.261851 | MoV = 0.355689 | VoV = 0.008151 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004244 | VoV = 0.000015 ] Train: 100% 845/845 [03:24-00:00, 4.14 step/s] Average loss=0.3267272970421215 Valid(teacher): 100% 3000/3000 [00:17-00:00, 166.73 step/s]
| Valid(teacher)|[5][UTT]| MSE = 1.3375 | LCC = 0.6030 | SRCC = 0.5545 | [SYS][ MSE = 0.9128 | LCC = 0.9479 | SRCC = 0.8708 | [Valid(teacher)][5][UTT]| GML = 0.081251 | AML = 0.266970 | MoV = 0.355363 | VoV = 0.007906 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004233 | VoV = 0.000015 ] Train: 100% 845/845 [03:27-00:00, 4.08 step/s]  
Average loss=0.3048098683357239 | Valid(teacher): 100% 3000/3000 [00:18-00:00, 162.52 step/s]
[Valid(teacher)][6][UTT][ MSE = 1.3035 | LCC = 0.6058 | SRCC = 0.5577 ] [SYS][ MSE = 0.8826 | LCC = 0.9498 | SRCC = 0.8708 ] [Valid(teacher)][6][UTT][ GML = 0.087213 | AML = 0.272864 | MoV = 0.352650 | VoV = 0.007339 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004193 | VoV = 0.000014 ] Train: 100% 845/845 [03:25-00:00, 4.12 step/s]
 Average loss=0.28556016087532043
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.04 step/s]
[Valid(teacher)][7][UTT][ MSE = 1.0261 | LCC = 0.6117 | SRCC = 0.5650 ] [SYS][ MSE = 0.6029 | LCC = 0.9526 | SRCC = 0.8762 ] [Valid(teacher)][7][UTT][ GML = 0.149071 | AML = 0.319918 | MoV = 0.370074 | VoV = 0.0066000 ] [SYS][ GML = 0.0000000 | AML = 0.0000000 | MoV = 0.004313 | VoV = 0.000013 ] Train: 100% 845/845 [03:23-00:00, 4.15 step/s] Average loss-0.26747536089776245 Valid(teacher): 100% 3000/3000 [00:18-00:00, 162.85 step/s]
[Valid(teacher)][8][UTT][ MSE = 0.9555 | LCC = 0.6150 | SRCC = 0.5703 ] [SYS][ MSE = 0.5346 | LCC = 0.9544 | SRCC = 0.8797 ]
[Valid(teacher)][8][UTT][ GML = 0.168430 | AML = 0.333456 | MoV = 0.370233 | VoV = 0.005463 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004288 | VoV = 0.000012 ]
Train: 100% 845/845 [03:30-00:00, 4.01 step/s]
Average loss-0.2508704662322998
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.21 step/s]
[Valid(teacher)][9][UTT][ MSE = 0.8939 | LCC = 0.6159 | SRCC = 0.5742 ] [SYS][ MSE = 0.4714 | LCC = 0.9567 | SRCC = 0.8865 ] [Valid(teacher)][9][UTT][ GML = 0.187250 | AML = 0.345595 | MoV = 0.371639 | VoV = 0.004958 ] [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004278 | VoV = 0.000012 ] Train: 100% 845/845 [03:29-60:00, 4.03 step/s] Average loss=0.23284725844860077 Valid(teacher): 100% 3000/3000 [00:17-60:00, 167.98 step/s]
[Valid(teacher)][10][UTT][ MSE = 0.8391 | LCC = 0.6173 | SRCC = 0.5774 ] [SYS][ MSE = 0.4153 | LCC = 0.9593 | SRCC = 0.8865 ] [Valid(teacher)][10][UTT][ (ML = 0.203552 | AML = 0.356475 | MoV = 0.371754 | VoV = 0.004749 ] [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.004261 | VoV = 0.000011 ] Train: 100% 455/845 [ 03:28-00:00 , 4.04 steps] 4.04 steps] Average loss=0.2178926452732086 Valid(teacher): 100% 3000/3000 [00:18-00:00, 164.21 step/s]
[Valid(teacher)][11][UTT][ MSE = 0.6948 | LCC = 0.6260 | SRCC = 0.5847 ] [SYS][ MSE = 0.2640 | LCC = 0.9631 | SRCC = 0.8974 ] [Valid(teacher)][11][UTT][ GML = 0.252767 | AML = 0.384292 | MoV = 0.380432 | VoV = 0.004328 ] [SYS][ GML = 0.000000 | AML = 0.002780 | MoV = 0.004303 | VoV = 0.000010 ] Train: 100% 845/845 [03:28-00:00, 4.05 step/s] Average loss=0.2007/122221233008 Valid(teacher): 100% 3000/3000 [00:18-00:00, 165.91 step/s]
[Valid(teacher)][12][UTT][ MSE = 0.6783 | LCC = 0.6306 | SRCC = 0.5900 ] [SYS][ MSE = 0.2465 | LCC = 0.9686 | SRCC = 0.9009 ] [Valid(teacher)][12][UTT][ (ML = 0.257637 | AML = 0.388581 | MoV = 0.376155 | VoV = 0.004122 ] [SYS][ GML = 0.000000 | AML = 0.001607 | MoV = 0.004253 | VoV = 0.000009 ] Train: 100% 845/845 [83:29-00:00, 4.03 step/s] Average loss=0.18804609775543213
 Average loss=0.18804609775543213
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.60 step/s]
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[Valid(teacher)][13][UTT][MSE = 0.6973 | LCC = 0.6334 | SRCC = 0.5927] [SYS][MSE = 0.2681 | LCC = 0.9714 | SRCC = 0.9104] [Valid(teacher)][13][UTT][GML = 0.248328 | AML = 0.385980 | MoV = 0.368626 | VoV = 0.004311] [SYS][GML = 0.000000 | AML = 0.000052 | MoV = 0.004186 | VoV = 0.000000] Train: 100% 845/845 [03:30<00:00, 4.02 step/s] Average loss=0.1702089755001068 Valid(teacher): 100% 3000/3000 [00:18<00:00, 160.11 step/s]

[Valid(teacher)][14][UTT][MSE = 0.7049 | LCC = 0.6331 | SRCC = 0.5926] [SYS][MSE = 0.2718 | LCC = 0.9718 | SRCC = 0.9029] [Valid(teacher)][14][UTT][GML = 0.242869 | AML = 0.385727 | MoV = 0.362433 | VoV = 0.004364] [SYS][GML = 0.000000 | AML = 0.000052 | MoV = 0.004112 | VoV = 0.000009] Train: 100% 845/845 [03:29-00:00, 4.04 step/s] Average loss-0.15327998995780945 Valid(teacher): 100% 3000/3000 [00:17<00:00, 173.66 step/s]

[Valid(teacher)][15][UTT][MSE = 0.7031 | LCC = 0.6366 | SRCC = 0.5966] [SYS][MSE = 0.2717 | LCC = 0.9744 | SRCC = 0.9173] [Valid(teacher)][15][UTT][(ML = 0.242434 | MHL = 0.386375 | MoV = 0.357594 | VoV = 0.004113] [SYS][(ML = 0.000000 | MHL = 0.000062 | MoV = 0.004056 | VoV = 0.000009] [Train: 100% 45/5455 [03:28-00:00, 4.05 steps]]

Nevrage loss=0.14008508622646332 Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.05 step/s]

[Valid(teacher)][16][UTT][MSE = 0.6716 | LCC = 0.6411 | SRCC = 0.5998] [SYS][MSE = 0.2383 | LCC = 0.9761 | SRCC = 0.9221]
[Valid(teacher)][16][UTT][GML = 0.252284 | AML = 0.393842 | MoV = 0.354675 | VoV = 0.003981] [SYS][GML = 0.000000 | AML = 0.000174 | MoV = 0.004005 | VoV = 0.000008]
Train: 100% 845/845 [03:29-00:00, 4.03 step/s]
Average loss=0.12708643078804016
Valid(teacher): 100% 3000/3000 [00:17<00:00, 174.75 step/s]

[Valid(teacher)][17][UTT][MSE = 0.6349 | LCC = 0.6449 | SRCC = 0.6032] [SYS][MSE = 0.1985 | LCC = 0.9772 | SRCC = 0.9385] [Valid(teacher)][17][UTT][GML = 0.264482 | AML = 0.402899 | MoV = 0.351488 | VoV = 0.003963] [SYS][GML = 0.000000 | AML = 0.005260 | MoV = 0.003947 | VoV = 0.000007] Train: 100% 845/845 [03:30-00:00, 4.02 step/s] Average loss=0.19963124666485596 Valid(teacher): 100% 3000/3000 [00:18<00:00, 159.60 step/s]

[Valid(teacher)][18][UTT][MSE = 0.5924 | LCC = 0.6484 | SRCC = 0.6075] [SYS][MSE = 0.1537 | LCC = 0.9783 | SRCC = 0.9357] [Valid(teacher)][18][UTT][GML = 0.280541 | AML = 0.413622 | MoV = 0.347900 | VoV = 0.003884] [SYS][GML = 0.000000 | AML = 0.110977 | MoV = 0.003887 | VoV = 0.000007] Train: 100% 845/845 [03:27~00:00, 4.07 step/s] Average loss=0.0951884099004211 Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.15 step/s]

[Valid(teacher)][19][UTT][MSE = 0.5949 | LCC = 0.6494 | SRCC = 0.6089] [SYS][MSE = 0.1555 | LCC = 0.9792 | SRCC = 0.9398] [Valid(teacher)][19][UTT][(ML = 0.76189 | AML = 0.413740 | MoV = 0.342080 | VoV = 0.003943] [SYS][(ML = 0.0000000 | AML = 0.051155 | MoV = 0.003833 | VoV = 0.0000007] Train: 100% 45/545 [63:27~00:00, 4.06 steps] 4.06 steps]

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Average loss=0.07723236083984375
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.69 step/s]
| Valid(teacher)|[20][UTT][ MSE = 0.5996 | LCC = 0.6480 | SRCC = 0.6077 ] [SYS][ MSE = 0.1551 | LCC = 0.9802 | SRCC = 0.9398 ] [Valid(teacher)|[20][UTT][ GML = 0.270884 | AML = 0.414039 | MoV = 0.335724 | VoV = 0.003923 ] [SYS][ GML = 0.000000 | AML = 0.042965 | MoV = 0.003761 | VoV = 0.000006 ] Train: 100% 845/845 [83:27-00:00, 4.08 step/s] Average loss=0.6770601123571396 Valid(teacher): 100% 3000/3000 [00:18-00:00, 164.50 step/s]
[Valid(teacher)][21][UTT][ MSE = 0.5704 | LCC = 0.6501 | SRCC = 0.6118 ] [SYS][ MSE = 0.1202 | LCC = 0.9805 | SRCC = 0.9412 ]
[Valid(teacher)][21][UTT][ GML = 0.280965 | AML = 0.422482 | MoV = 0.330505 | VoV = 0.003935 ] [SYS][ GML = 0.000000 | AML = 0.397722 | MoV = 0.003692 | VoV = 0.000006 ]
Train: 100% 845/845 [03:28-00:00, 4.05 step/s]
Average loss=0.0499348181899125275
Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.29 step/s]
[Valid(teacher)][22][UTT][ MSE = 0.5663 | LCC = 0.6506 | SRCC = 0.6128 ] [SYS][ MSE = 0.1143 | LCC = 0.9815 | SRCC = 0.9485 ] [Valid(teacher)][22][UTT][ GML = 0.280938 | AML = 0.424453 | MoV = 0.324982 | VoV = 0.003822 ] [SYS][ GML = 0.000000 | AML = 0.409791 | MoV = 0.003624 | VoV = 0.000006 ] Train: 100% 845/845 [03:27-00:00, 4.06 step/s] Average loss=0.03896274142929077 Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.26 step/s]
[Valid(teacher)][23][UTT][ MSE = 0.5504 | LCC = 0.6500 | SRCC = 0.6129 ] [SYS][ MSE = 0.0923 | LCC = 0.9807 | SRCC = 0.9405 ] [Valid(teacher)][23][UTT][ GML = 0.285913 | AML = 0.429289 | MoV = 0.319398 | VoV = 0.003753 ] [SYS][ GML = 0.000000 | AML = 0.579962 | MoV = 0.003557 | VoV = 0.000005 ] Train: 100% 845/845 [03:29-00:00, 4.04 step/s] Average loss=0.021211402499735564 Valid(teacher): 100% 3000/3000 [00:17-00:00, 167.35 step/s]
[Valid(teacher)][24][UTT][ MSE = 0.5479 | LCC = 0.6492 | SRCC = 0.6119 ] [SYS][ MSE = 0.0899 | LCC = 0.9811 | SRCC = 0.9419 ] [Valid(teacher)][24][UTT][ GML = 0.284963 | AML = 0.430338 | MoV = 0.315261 | VoV = 0.003656 ] [SYS][ GML = 0.000000 | AML = 0.590202 | MoV = 0.003513 | VoV = 0.000005 ] Train: 100% 845/845 [03:28-00:00, 4.05 step/s] Average loss=0.00342552159717679 Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.33 step/s]
[Valid(teacher)][25][UTT][ MSE = 0.5588 | LCC = 0.6480 | SRCC = 0.6111 ] [SYS][ MSE = 0.0963 | LCC = 0.9813 | SRCC = 0.9378 ] [Valid(teacher)][25][UTT][ GML = 0.276091 | AML = 0.429678 | MoV = 0.307845 | VoV = 0.003595 ] [SYS][ GML = 0.000000 | AML = 0.542616 | MoV = 0.003436 | VoV = 0.000005 ] Train: 100% 845/845 [63:28-00:00, 4.04 step/s] Average loss=0.01054315201282024 Avaid(teacher): 100% 3000/3000 [00:18<00:00, 165.67 step/s]
[Valid(teacher)][26][UTT][ MSE = 0.5474 | LCC = 0.6475 | SRCC = 0.6112 ] [SYS][ MSE = 0.0803 | LCC = 0.9817 | SRCC = 0.9474 ]
[Valid(teacher)][26][UTT][ GML = 0.278889 | AML = 0.433256 | MoV = 0.302811 | VoV = 0.003537 ] [SYS][ GML = 0.000001 | AML = 0.551847 | MoV = 0.003378 | VoV = 0.000005 ]
Train: 100% 845/845 [03:28-00:00, 4.05 step/s]
Average loss-0.225583948194989052
Valid(teacher): 100% 3000/3000 [00:18-00:00, 164.22 step/s]
[Valid(teacher)][27][UTT][ MSE = 0.5432 | LCC = 0.6451 | SRCC = 0.6093 ] [SYS][ MSE = 0.0712 | LCC = 0.9818 | SRCC = 0.9508 ] [Valid(teacher)][27][UTT][ GML = 0.279011 | AML = 0.434898 | MoV = 0.298688 | VoV = 0.003391 ] [SYS][ GML = 0.000005 | AML = 0.781247 | MoV = 0.003331 | VoV = 0.000005 ] Train: 100% 845/845 [03:28-00:00, 4.05 step/s] Average loss=-0.45500531405210495 Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.20 step/s]
[Valid(teacher)][28][UTT][ MSE = 0.5431 | LCC = 0.6429 | SRCC = 0.6083 ] [SYS][ MSE = 0.0665 | LCC = 0.9819 | SRCC = 0.9460 ] [Valid(teacher)][28][UTT][ GML = 0.274089 | AML = 0.436301 | MoV = 0.291980 | VoV = 0.003402 ] [SYS][ GML = 0.000008 | AML = 0.921844 | MoV = 0.003266 | VoV = 0.000005 ] Train: 100% 845/845 [03:28-00:00, 4.05 step/s] Average loss—0.852693786611557 Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.22 step/s]
[Valid(teacher)][29][UTT][ MSE = 0.5457 | LCC = 0.6424 | SRCC = 0.6082 ] [SYS][ MSE = 0.0675 | LCC = 0.9821 | SRCC = 0.9474 ] [Valid(teacher)][29][UTT][ GML = 0.269547 | AML = 0.436460 | MoV = 0.287805 | VoV = 0.003397 ] [SYS][ GML = 0.000005 | AML = 0.907678 | MoV = 0.003219 | VoV = 0.000005 ] Train: 100% 845/845 [03:29-00:00, 4.04 step/s] Average loss-0.0677653774651925 Valid(teacher): 100% 3000/3000 [00:18-00:00, 159.78 step/s]
[Valid(teacher)][30][UTT][ MSE = 0.5485 | LCC = 0.6427 | SRCC = 0.6077 ] [SYS][ MSE = 0.0690 | LCC = 0.9828 | SRCC = 0.9542 ] [Valid(teacher)][30][UTT][ GML = 0.263335 | AML = 0.436870 | MoV = 0.282273 | VoV = 0.003549 ] [SYS][ GML = 0.000002 | AML = 0.799688 | MoV = 0.003159 | VoV = 0.000004 ] Train: 100% 845/845 [03:28<00:00, 4.05 step/s] Average [oss=-0.08293962478637695 Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.28 step/s]
[Valid(teacher)][31][UTT][ MSE = 0.5465 | LCC = 0.6408 | SRCC = 0.6061 ] [SYS][ MSE = 0.0647 | LCC = 0.9822 | SRCC = 0.9419 ] [Valid(teacher)][31][UTT][ GML = 0.261993 | AML = 0.438994 | MoV = 0.277661 | VoV = 0.003450 ] [SYS][ GML = 0.000004 | AML = 1.006556 | MoV = 0.003105 | VoV = 0.000004 ] Train: 100% 845/845 [03:28<08:00, 4.04 step/s] Average loss=-0.0902728539299649
 Average loss=-0.09025285392999049
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.81 step/s]
[Valid(teacher)][32][UTT][ MSE = 0.5423 | LCC = 0.6400 | SRCC = 0.6056 ] [SYS][ MSE = 0.0608 | LCC = 0.9824 | SRCC = 0.9419 ]
[Valid(teacher)][32][UTT][ GML = 0.262774 | AML = 0.440650 | MoV = 0.274716 | VoV = 0.003318 ] [SYS][ GML = 0.000010 | AML = 1.177397 | MoV = 0.003076 | VoV = 0.000004 ]
Train: 100% 845/845 [03:29-00:00, 4.04 step/s]
Average loss:—0.1850994433445526
Valid(teacher): 100% 3000/3000 [00:18-00:00, 164.18 step/s]
[Valid(teacher)][33][UTT][ MSE = 0.5277 | LCC = 0.6412 | SRCC = 0.6070 ] [SYS][ MSE = 0.0449 | LCC = 0.9825 | SRCC = 0.9508 ] [Valid(teacher)][33][UTT][ MSE = 0.26948 | AML = 0.446374 | MoV = 0.270412 | VoV = 0.003161 ] [SYS][ GML = 0.000262 | AML = 1.588889 | MoV = 0.003014 | VoV = 0.000004 ] Train: 100% 845/845 [03:27-000:00, 4.07 steps]; Average loss=-0.12463489174842834 Valid(teacher): 100% 3000/3000 [00:18-00:00, 164.56 step/s]
[Valid(teacher)][34][UTT][ MSE = 0.5156 | LCC = 0.6387 | SRCC = 0.6052 ] [SYS][ MSE = 0.0226 | LCC = 0.9817 | SRCC = 0.9508 ] [Valid(teacher)][34][UTT][ GML = 0.277358 | AML = 0.451066 | MoV = 0.266117 | VoV = 0.002813 ] [SYS][ GML = 0.008379 | AML = 2.179874 | MoV = 0.002957 | VoV = 0.000004 ] Train: 100% 845/845 [03:30-00:00, 4.02 step/s]
 Valid(teacher): 100% 3000/3000 [00:18<00:00, 162.47 step/s]
[Valid(teacher)][35][UTT][ MSE = 0.5198 | LCC = 0.6382 | SRCC = 0.6048 ] [SYS][ MSE = 0.0318 | LCC = 0.9822 | SRCC = 0.9508 ] [Valid(teacher)][35][UTT][ GML = 0.271602 | AML = 0.451064 | MoV = 0.261918 | VoV = 0.002825 ] [SYS][ GML = 0.004262 | AML = 2.140042 | MoV = 0.002914 | VoV = 0.000004 ] Train: 100% 845/845 [63:29-00:00, 4.04 step/s] Average loss-0.413590047955513 Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.34 step/s]
[Valid(teacher)][36][UTT][ MSE = 0.5156 | LCC = 0.6371 | SRCC = 0.6042 ] [SYS][ MSE = 0.0257 | LCC = 0.9819 | SRCC = 0.9515 ] [Valid(teacher)][36][UTT][ GML = 0.272271 | AML = 0.453016 | MoV = 0.258070 | VoV = 0.002720 ] [SYS][ GML = 0.017231 | AML = 2.303901 | MoV = 0.002873 | VoV = 0.000003 ]
Train: 100% 845/845 [03:30<00:00, 4.02 step/s]
Average loss=-0.15653054416179657
Valid(teacher): 100% 3000/3000 [00:17<00:00, 173.08 step/s]
[Valid(teacher)][37][UTT][ MSE = 0.5137 | LCC = 0.6354 | SRCC = 0.6034 ] [SYS][ MSE = 0.0216 | LCC = 0.9804 | SRCC = 0.9508 ] [Valid(teacher)][37][UTT][ (ML = 0.270808 | AML = 0.454568 | MoV = 0.253816 | VoV = 0.002649 ] [SYS][ GML = 0.041779 | AML = 2.477753 | MoV = 0.002823 | VoV = 0.000003 ] Train: 100% 845/845 [03:29<00:00, 4.03 step/s]
 Average loss=-0.1696988195180893
Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.45 step/s]
[Valid(teacher)][38][UTT][ MSE = 0.5158 | LCC = 0.6341 | SRCC = 0.6025 ] [SYS][ MSE = 0.0213 | LCC = 0.9805 | SRCC = 0.9508 ] [Valid(teacher)][58][UTT][ GML = 0.267621 | AML = 0.454524 | MoV = 0.251023 | VoV = 0.002621 ] [SYS][ GML = 0.043628 | AML = 2.521691 | MoV = 0.002791 | VoV = 0.000003 ] Train: 100% 845/845 [03:29-00:00, 4.04 step/s] Average loss:=-0.1835939884185791 Valid(teacher): 100% 3000/3000 [00:19<00:00, 154.14 step/s]
[Valid(teacher)][39][UTT][ MSE = 0.5204 | LCC = 0.6340 | SRCC = 0.6027 ] [SYS][ MSE = 0.0274 | LCC = 0.9810 | SRCC = 0.9515 ] [Valid(teacher)][39][UTT][ GML = 0.259064 | AML = 0.454378 | MoV = 0.245947 | VoV = 0.002596 ] [SYS][ GML = 0.009785 | AML = 2.425308 | MoV = 0.002749 | VoV = 0.000003 ] Train: 100% 845/845 [03:30-00:00, 4.01 step/s] Average loss-0-1953455677552795 Valid(teacher): 100% 3000/3000 [00:16<00:00, 177.87 step/s]
[Valid(teacher)][40][UTT][ MSE = 0.5186 | LCC = 0.6313 | SRCC = 0.6004 ] [SYS][ MSE = 0.0211 | LCC = 0.9809 | SRCC = 0.9549 ] [Valid(teacher)][40][UTT][ GML = 0.259912 | AML = 0.455498 | MoV = 0.243091 | VoV = 0.002458 ] [SYS][ GML = 0.049687 | AML = 2.825844 | MoV = 0.002712 | VoV = 0.000003 ] Train: 100% 845/845 [03:29-00:00, 4.03 step/s] Average loss-0.2665756133125854 Average loss-0.2665756133125854 Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.53 step/s]
[Valid(teacher)][41][UTT][ MSE = 0.5123 | LCC = 0.6312 | SRCC = 0.6008 ] [SYS][ MSE = 0.0170 | LCC = 0.9811 | SRCC = 0.9590 ] [Valid(teacher)][41][UTT][ GML = 0.262911 | AML = 0.459612 | MoV = 0.240623 | VoV = 0.002383 ] [SYS][ GML = 0.159245 | AML = 3.195053 | MoV = 0.002674 | VoV = 0.000003 ] Train: 100% 845/845 [03:30-00:00, 4.02 step/s] Average loss-0.21562324464321136 Valid(teacher): 100% 3000/3000 [00:18<00:00, 163.62 step/s]
[Valid(teacher)][42][UTT][ MSE = 0.5132 | LCC = 0.6297 | SRCC = 0.5999 ] [SYS][ MSE = 0.0156 | LCC = 0.9807 | SRCC = 0.9597 ] [Valid(teacher)][42][UTT][ GML = 0.263105 | AML = 0.459895 | MoV = 0.238443 | VoV = 0.002307 ] [SYS][ GML = 0.245888 | AML = 2.784590 | MoV = 0.002642 | VoV = 0.000003 ] Train: 100% 845/845 [03:30<00:00, 4.02 step/s] Average loss=-0.2213428020477295 Valid(teacher): 100% 3000/3000 [00:17<00:00, 174.22 step/s]
 [Valid(teacher)][43][UTT][ MSE = 0.5137 | LCC = 0.6299 | SRCC = 0.6008 ] [SYS][ MSE = 0.0165 | LCC = 0.9804 | SRCC = 0.9549 ] [Valid(teacher)][43][UTT][ GML = 0.257473 | AML = 0.460769 | MoV = 0.234146 | VoV = 0.002296 ] [SYS][ GML = 0.179368 | AML = 3.199137 | MoV = 0.002610 | VoV = 0.000003 ]
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Train: 100% 845/845 [03:27<00:00, 4.07 step/s]
 Average loss=-0.228678360581398
Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.65 step/s]
[Valid(teacher)][44][UTT][ MSE = 0.5129 | LCC = 0.6298 | SRCC = 0.6000 ] [SYS][ MSE = 0.0172 | LCC = 0.9813 | SRCC = 0.9617 ]
[Valid(teacher)][44][UTT][ GML = 0.257210 | AML = 0.460224 | MoV = 0.233510 | VoV = 0.002297 ] [SYS][ GML = 0.177603 | AML = 3.322296 | MoV = 0.002599 | VoV = 0.000003 ]
Train: 100% 845/845 [03:28-00:00, 4.05 step/s]
Average loss-0.254226163349411
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.49 step/s]
[Valid(teacher)][45][UTT][ MSE = 0.5134 | LCC = 0.6294 | SRCC = 0.6003 ] [SYS][ MSE = 0.0225 | LCC = 0.9799 | SRCC = 0.9597 ] [Valid(teacher)][45][UTT][ GML = 0.252161 | AML = 0.460258 | MoV = 0.230715 | VoV = 0.002325 ] [SYS][ GML = 0.055291 | AML = 3.237066 | MoV = 0.002578 | VoV = 0.000003 ] Train: 100% 845/845 [03:28-00:00, 4.05 step/s] Average loss-0.2582521438598633 Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.43 step/s]
[Valid(teacher)][46][UTT][ MSE = 0.5173 | LCC = 0.6271 | SRCC = 0.5981 ] [SYS][ MSE = 0.0220 | LCC = 0.9788 | SRCC = 0.9597 ] [Valid(teacher)][46][UTT][ GML = 0.247142 | AML = 0.459731 | MoV = 0.227547 | VoV = 0.002266 ] [SYS][ GML = 0.057360 | AML = 3.532870 | MoV = 0.002542 | VoV = 0.000003 ] Train: 100% 845/845 [63:28-00:00, 4.05 step/s] Average loss-0.2573652635025244 Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.46 step/s]
[Valid(teacher)] [47] [UTT] [ MSE = 0.5166 | LCC = 0.6243 | SRCC = 0.5964 ] [SYS] [ MSE = 0.0213 | LCC = 0.9775 | SRCC = 0.9549 ] [Valid(teacher)] [47] [UTT] [ GML = 0.246644 | AML = 0.460005 | MoV = 0.225252 | VoV = 0.002187 ] [SYS] [ GML = 0.077428 | AML = 3.427854 | MoV = 0.002515 | VoV = 0.000003 ] Train: 100% 845/845 [03:29-00:00, 4.04 step/s] Average loss-0.28317803144454956 Valid(teacher): 100% 3000/3000 [00:17-00:00, 174.45 step/s]
[Valid(teacher)][48][UTT][ MSE = 0.5176 | LCC = 0.6248 | SRCC = 0.5966 ] [SYS][ MSE = 0.0207 | LCC = 0.9791 | SRCC = 0.9562 ] [Valid(teacher)][48][UTT][ GML = 0.244238 | AML = 0.459899 | MoV = 0.222674 | VoV = 0.002103 ] [SYS][ GML = 0.086374 | AML = 3.558239 | MoV = 0.002494 | VoV = 0.000003 ] Train: 100% 845/845 [03:28-00:00, 4.05 step/s] Average loss-0-2597258940647125 Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.30 step/s]
[Valid(teacher)][49][UTT][ MSE = 0.5177 | LCC = 0.6235 | SRCC = 0.5955 ] [SYS][ MSE = 0.0192 | LCC = 0.9788 | SRCC = 0.9617 ] [Valid(teacher)][49][UTT][ GML = 0.242956 | AML = 0.460747 | MoV = 0.219497 | VoV = 0.002022 ] [SYS][ GML = 0.123245 | AML = 3.421836 | MoV = 0.002452 | VoV = 0.000003 ] Train: 100% 845/845 [03:30<00:00, 4.02 step/s] Average loss=-0.292556494474411
 Average loss=-0.292556494474411
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.19 step/s]
[Valid(teacher)][50][UTT][ MSE = 0.5238 | LCC = 0.6195 | SRCC = 0.5924 ] [SYS][ MSE = 0.0204 | LCC = 0.9769 | SRCC = 0.9562 ]
[Valid(teacher)][50][UTT][ GML = 0.241355 | AML = 0.460222 | MoV = 0.217247 | VoV = 0.001889 ] [SYS][ GML = 0.097865 | AML = 2.444049 | MoV = 0.002417 | VoV = 0.000003 ]
Train: 100% 845/845 [03:31-00:00, 4.00 step/s]
Average loss:=-0.31051135603171387
Valid(teacher): 100% 3000/3000 [00:17<00:00, 168.16 step/s]
 [Valid(teacher)][51][UTT][ MSE = 0.5263 | LCC = 0.6198 | SRCC = 0.5929 ] [SYS][ MSE = 0.0192 | LCC = 0.9775 | SRCC = 0.9528 ] [Valid(teacher)][51][UTT][ GML = 0.236801 | AML = 0.460260 | MoV = 0.215192 | VoV = 0.001914 ] [SYS][ GML = 0.111036 | AML = 2.639934 | MoV = 0.002395 | VoV = 0.000002 ]
Train: 100% 845/845 [03:30<00:00, 4.01 step/s]
Average loss=-0.3214830756187439
Valid(teacher): 100% 3000/3000 [00:18<00:00, 161.88 step/s]
[Valid(teacher)][52][UTT][ MSE = 0.5319 | LCC = 0.6174 | SRCC = 0.5903 ] [SYS][ MSE = 0.0197 | LCC = 0.9777 | SRCC = 0.9562 ] [Valid(teacher)][52][UTT][ GML = 0.232737 | AML = 0.459422 | MoV = 0.212329 | VoV = 0.001773 ] [SYS][ GML = 0.083352 | AML = 2.240947 | MoV = 0.002362 | VoV = 0.000002 ] Train: 100% 845/845 [03:30-00:00, 4.02 step/s] Average loss-0.3330641388931274 Valid(teacher): 100% 3000/3000 [00:17<00:00, 166.93 step/s]
[Valid(teacher)][53][UTT][ MSE = 0.5268 | LCC = 0.6177 | SRCC = 0.5902 ] [SYS][ MSE = 0.0185 | LCC = 0.9790 | SRCC = 0.9638 ] [Valid(teacher)][53][UTT][ GML = 0.229618 | AML = 0.461220 | MoV = 0.208809 | VoV = 0.001794 ] [SYS][ GML = 0.133944 | AML = 3.573448 | MoV = 0.002329 | VoV = 0.000002 ] Train: 100% 845/845 [03:28-00:00, 4.06 step/s] Average loss-0.3405622438812256 Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.93 step/s]
[Valid(teacher)][54][UTT][ MSE = 0.5305 | LCC = 0.6153 | SRCC = 0.5878 ] [SYS][ MSE = 0.0188 | LCC = 0.9786 | SRCC = 0.9672 ] [Valid(teacher)][54][UTT][ GML = 0.228534 | AML = 0.460380 | MoV = 0.207778 | VoV = 0.001695 ] [SYS][ GML = 0.127889 | AML = 3.098517 | MoV = 0.002311 | VoV = 0.000002 ] Train: 100% 845/845 [03:29-00:00, 4.03 step/s] Average loss:=-0.3516474721183777 Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.66 step/s]
[Valid(teacher)][55][UTT][ MSE = 0.5257 | LCC = 0.6167 | SRCC = 0.5895 ] [SYS][ MSE = 0.0192 | LCC = 0.9785 | SRCC = 0.9583 ] [Valid(teacher)][55][UTT][ GML = 0.228305 | AML = 0.461666 | MoV = 0.205936 | VoV = 0.001690 ] [SYS][ GML = 0.145122 | AML = 3.492166 | MoV = 0.002300 | VoV = 0.000002 ] Train: 100% 845/845 [03:30<00:00, 4.02 step/s] Average loss=-0.35911503434181213
 Average loss=-0.35911503434181213
Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.08 step/s]
[Valid(teacher)][56][UTT][ MSE = 0.5231 | LCC = 0.6185 | SRCC = 0.5917 ] [SYS][ MSE = 0.0198 | LCC = 0.9777 | SRCC = 0.9624 ]
[Valid(teacher)][56][UTT][ GML = 0.227364 | AML = 0.463488 | MoV = 0.203333 | VoV = 0.001645 ] [SYS][ GML = 0.121219 | AML = 3.126327 | MoV = 0.002273 | VoV = 0.000002 ]
Train: 100% 845/845 [63:29-60:00, 4.63 step/s]
Average loss-0.3745028078556061
Valid(teacher): 100% 3000/3000 [00:18<00:00, 166.26 step/s]
[Valid(teacher)][57][UTT][ MSE = 0.5257 | LCC = 0.6155 | SRCC = 0.5891 ] [SYS][ MSE = 0.0215 | LCC = 0.9770 | SRCC = 0.9638 ] [Valid(teacher)][57][UTT][ GML = 0.225216 | AML = 0.463544 | MoV = 0.200337 | VoV = 0.001500 ] [SYS][ GML = 0.088784 | AML = 2.410472 | MoV = 0.002236 | VoV = 0.000002 ] Train: 100% 845/845 [03:30-00:00, 4.02 step/s] Average loss:=0.3738126291503906 VoV = 0.0000000 [00:19<00:00, 155.31 step/s]
[Valid(teacher)][58][UTT][ MSE = 0.5250 | LCC = 0.6165 | SRCC = 0.5900 ] [SYS][ MSE = 0.0202 | LCC = 0.9776 | SRCC = 0.9638 ] [Valid(teacher)][58][UTT][ GML = 0.222713 | AML = 0.464133 | MoV = 0.198801 | VoV = 0.001539 ] [SYS][ GML = 0.123041 | AML = 3.425866 | MoV = 0.002226 | VoV = 0.000002 ] Train: 100% 845/845 [03:29<00:00, 4.04 step/s] Average loss:=-0.3953794836997986 Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.21 step/s]
[Valid(teacher)][59][UTT][ MSE = 0.5267 | LCC = 0.6157 | SRCC = 0.5891 ] [SYS][ MSE = 0.0202 | LCC = 0.9775 | SRCC = 0.9631 ] [Valid(teacher)][59][UTT][ GML = 0.218293 | AML = 0.464894 | MoV = 0.196420 | VoV = 0.001541 ] [SYS][ GML = 0.112944 | AML = 3.450194 | MoV = 0.002201 | VoV = 0.000002 ] Train: 100% 845/845 [03:29-00:00, 4.04 step/s] Average loss-0.3996473321914673 Average loss-0.3996473321914673 Valid(teacher): 100% 3000/3000 [00:18<00:00, 165.50 step/s]
 [Valid(teacher)][60][UTT][ MSE = 0.5287 | LCC = 0.6146 | SRCC = 0.5880 ] [SYS][ MSE = 0.0205 | LCC = 0.9776 | SRCC = 0.9665 ] [Valid(teacher)][60][UTT][ GML = 0.214893 | AML = 0.465387 | MoV = 0.194200 | VoV = 0.001475 ] [SYS][ GML = 0.103015 | AML = 3.029676 | MoV = 0.002178 | VoV = 0.000002 ]
[Validiteacner]][log][Uii][ GML = 0.214033 | AML = 0.405387 | MoV = 0.194200 | VoV = 0.001475 | [SYS][ GML = 0.103405 | AML = 3.029676 | MoV = 0.002178 | VoV = 0.000000 Best model performance test:

Test(best): 0.004000 [00:00-7, Step/s]/home/x_xlian/.conda/envs/lxygpu/lib/python3.8/site-packages/torch/nn/modules/rnn.py:774: UserWarning: RNN module weights a 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(). 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 [00:23-00:00, 167.44 step/s]
[Test(best)][61][UTT][ MSE = 0.5262 | LCC = 0.6724 | SRCC = 0.6374 ] [SYS][ MSE = 0.0960 | LCC = 0.9808 | SRCC = 0.9542 ] [Test(best)][61][UTT][ GML = 0.298363 | AML = 0.438599 | MoV = 0.325708 | VoV = 0.003773 ] [SYS][ GML = 0.000000 | AML = 0.193435 | MoV = 0.002661 | VoV = 0.000003 ] Test(last): 100% 4000/4000 [00:22<00:00, 176.76 step/s]
[Test(last)][61][UTT][ MSE = 0.5125 | LCC = 0.6352 | SRCC = 0.6154 ] [SYS][ MSE = 0.0256 | LCC = 0.9742 | SRCC = 0.9651 ] [Test(last)][61][UTT][ (ML = 0.226041 | AML = 0.476561 | MOV = 0.194428 | VOV = 0.001491 ] [SYS][ (ML = 0.004513 | AML = 2.146321 | MOV = 0.001589 | VOV = 0.000001 ] (Lygpu) [X_x Lianghoodec22 ProMOSNet(s)
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