

```
xlypu) [x_xlian@node050 ProMOSNet]$ python train.py --lambda_c=0 --save_path "runs/c0-t5e-1/run4"
```

```
Loading all wav files.
```

```
[REDACTED] | 54040/54040 [07:50<00:00, 114.79it/s]
```

```
/pro/jhorse_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.
```

```
[REDACTED] | 3000/3000 [01:55<00:00, 25.87it/s]
```

```
/pro/jhorse_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.
```

```
[REDACTED] | 4000/4000 [02:43<00:00, 24.50it/s]
```

```
/pro/jhorse_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 [04:48<00:00, 2.93 step/s]
```

```
Average loss=47806.95703125
```

```
Valid(teacher): 100% 3000/3000 [00:22<00:00, 131.13 step/s]
```

```
[Valid(teacher)][0][UTT] MSE = 0.6937 | LCC = 0.5050 | SRCC = 0.4810 | [SYS] MSE = 0.3167 | LCC = 0.8327 | SRCC = 0.8482 ]
```

```
[Valid(teacher)][0][UTT] GML = 0.287913 | AML = 0.341456 | MoV = 0.637666 | VoV = 0.007040 | [SYS] GML = 0.000000 | AML = 0.598702 | MoV = 0.007362 | VoV = 0.000036 ]
```

```
Train: 100% 845/845 [04:49<00:00, 2.92 step/s]
```

```
Average loss=0.3716280162334442
```

```
Valid(teacher): 100% 3000/3000 [00:17<00:00, 171.74 step/s]
```

```
[Valid(teacher)][1][UTT] MSE = 0.6333 | LCC = 0.5736 | SRCC = 0.5289 | [SYS] MSE = 0.1883 | LCC = 0.9310 | SRCC = 0.8694 ]
```

```
[Valid(teacher)][1][UTT] GML = 0.296004 | AML = 0.363962 | MoV = 0.550156 | VoV = 0.007115 | [SYS] GML = 0.000001 | AML = 0.405569 | MoV = 0.006467 | VoV = 0.000030 ]
```

```
Train: 100% 845/845 [03:32<00:00, 3.97 step/s]
```

```
Average loss=0.31046029925346375
```

```
Valid(teacher): 100% 3000/3000 [00:17<00:00, 175.37 step/s]
```

```
[Valid(teacher)][2][UTT] MSE = 0.9487 | LCC = 0.5937 | SRCC = 0.5504 | [SYS] MSE = 0.5267 | LCC = 0.9420 | SRCC = 0.8762 ]
```

```
[Valid(teacher)][2][UTT] GML = 0.188850 | AML = 0.319896 | MoV = 0.466791 | VoV = 0.009802 | [SYS] GML = 0.000000 | AML = 0.002198 | MoV = 0.005525 | VoV = 0.000024 ]
```

```
Train: 100% 845/845 [03:57<00:00, 3.56 step/s]
```

```
Average loss=0.27231279015541077
```

```
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.40 step/s]
```

```
[Valid(teacher)][3][UTT] MSE = 1.9791 | LCC = 0.5995 | SRCC = 0.5546 | [SYS] MSE = 1.5749 | LCC = 0.9456 | SRCC = 0.9063 ]
```

```
[Valid(teacher)][3][UTT] GML = 0.018300 | AML = 0.181810 | MoV = 0.344641 | VoV = 0.011713 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004217 | VoV = 0.000018 ]
```

```
Train: 100% 845/845 [04:22<00:00, 3.22 step/s]
```

```
Average loss=0.2392471581697464
```

```
Valid(teacher): 100% 3000/3000 [00:15<00:00, 190.50 step/s]
```

```
[Valid(teacher)][4][UTT] MSE = 1.8152 | LCC = 0.6084 | SRCC = 0.5625 | [SYS] MSE = 1.4131 | LCC = 0.9515 | SRCC = 0.8940 ]
```

```
[Valid(teacher)][4][UTT] GML = 0.034435 | AML = 0.199606 | MoV = 0.364181 | VoV = 0.009962 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004361 | VoV = 0.000016 ]
```

```
Train: 100% 845/845 [03:34<00:00, 3.94 step/s]
```

```
Average loss=0.2146303802728653
```

```
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.25 step/s]
```

```
[Valid(teacher)][5][UTT] MSE = 1.7152 | LCC = 0.6117 | SRCC = 0.5651 | [SYS] MSE = 1.3090 | LCC = 0.9571 | SRCC = 0.9036 ]
```

```
[Valid(teacher)][5][UTT] GML = 0.044367 | AML = 0.211471 | MoV = 0.369611 | VoV = 0.009344 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004418 | VoV = 0.000016 ]
```

```
Train: 100% 845/845 [06:27<00:00, 2.18 step/s]
```

```
Average loss=0.19603826105594635
```

```
Valid(teacher): 100% 3000/3000 [00:25<00:00, 118.24 step/s]
```

```
[Valid(teacher)][6][UTT] MSE = 1.8342 | LCC = 0.6117 | SRCC = 0.5653 | [SYS] MSE = 1.4316 | LCC = 0.9604 | SRCC = 0.9043 ]
```

```
[Valid(teacher)][6][UTT] GML = 0.036844 | AML = 0.196876 | MoV = 0.362845 | VoV = 0.008750 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004351 | VoV = 0.000016 ]
```

```
Train: 100% 845/845 [03:37<00:00, 3.80 step/s]
```

```
Average loss=0.1737417277088165
```

```
Valid(teacher): 100% 3000/3000 [00:16<00:00, 180.42 step/s]
```

```
[Valid(teacher)][7][UTT] MSE = 1.5990 | LCC = 0.6173 | SRCC = 0.5722 | [SYS] MSE = 1.1933 | LCC = 0.9663 | SRCC = 0.9179 ]
```

```
[Valid(teacher)][7][UTT] GML = 0.060947 | AML = 0.226502 | MoV = 0.367948 | VoV = 0.006992 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004383 | VoV = 0.000015 ]
```

```
Train: 100% 845/845 [03:32<00:00, 3.98 step/s]
```

```
Average loss=0.15690943598747253
```

```
Valid(teacher): 100% 3000/3000 [00:16<00:00, 176.71 step/s]
```

```
[Valid(teacher)][8][UTT] MSE = 1.2227 | LCC = 0.6257 | SRCC = 0.5835 | [SYS] MSE = 0.8105 | LCC = 0.9704 | SRCC = 0.9179 ]
```

```
[Valid(teacher)][8][UTT] GML = 0.119146 | AML = 0.281983 | MoV = 0.384478 | VoV = 0.005630 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004512 | VoV = 0.000014 ]
```

```
Train: 100% 845/845 [03:31<00:00, 3.99 step/s]
```

```
Average loss=0.13379937410354614
```

```
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.06 step/s]
```

```
[Valid(teacher)][9][UTT] MSE = 1.2260 | LCC = 0.6251 | SRCC = 0.5858 | [SYS] MSE = 0.8152 | LCC = 0.9711 | SRCC = 0.9097 ]
```

```
[Valid(teacher)][9][UTT] GML = 0.115391 | AML = 0.282982 | MoV = 0.372252 | VoV = 0.005252 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004373 | VoV = 0.000013 ]
```

```
Train: 100% 845/845 [03:33<00:00, 3.97 step/s]
```

```
Average loss=0.11836116015911102
```

```
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.54 step/s]
```

```
[Valid(teacher)][10][UTT] MSE = 1.0726 | LCC = 0.6264 | SRCC = 0.5902 | [SYS] MSE = 0.6507 | LCC = 0.9731 | SRCC = 0.9132 ]
```

```
[Valid(teacher)][10][UTT] GML = 0.145790 | AML = 0.309769 | MoV = 0.375432 | VoV = 0.005177 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004384 | VoV = 0.000013 ]
```

```
Train: 100% 845/845 [03:34<00:00, 3.95 step/s]
```

```
Average loss=0.09966041147708993
```

Average loss=-0.03254091367125511
Valid(teacher): 100% 3000/3000 [00:20<00:00, 144.71 step/s]

[Valid(teacher)][20][UTT][MSE = 1.1416 | LCC = 0.6178 | SRCC = 0.5961 | [SYS][MSE = 0.6996 | LCC = 0.9805 | SRCC = 0.9371]
[Valid(teacher)][20][UTT][GML = 0.094213 | AML = 0.305669 | MoV = 0.302023 | VoV = 0.005283 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003605 | VoV = 0.000010]
Train: 100% 845/845 [03:55<00:00, 3.58 step/s]
Average loss=-0.04942482337355614
Valid(teacher): 100% 3000/3000 [00:24<00:00, 122.31 step/s]

[Valid(teacher)][21][UTT][MSE = 1.1793 | LCC = 0.6166 | SRCC = 0.5954 | [SYS][MSE = 0.7376 | LCC = 0.9816 | SRCC = 0.9446]
[Valid(teacher)][21][UTT][GML = 0.082042 | AML = 0.299649 | MoV = 0.292222 | VoV = 0.005410 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003502 | VoV = 0.000009]
Train: 100% 845/845 [06:33<00:00, 2.15 step/s]
Average loss=-0.06270197778940201
Valid(teacher): 100% 3000/3000 [00:22<00:00, 130.68 step/s]

[Valid(teacher)][22][UTT][MSE = 1.1546 | LCC = 0.6162 | SRCC = 0.5955 | [SYS][MSE = 0.7078 | LCC = 0.9826 | SRCC = 0.9446]
[Valid(teacher)][22][UTT][GML = 0.084538 | AML = 0.304331 | MoV = 0.289199 | VoV = 0.005160 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003458 | VoV = 0.000009]
Train: 100% 845/845 [05:51<00:00, 2.41 step/s]
Average loss=-0.0767822191119194
Valid(teacher): 100% 3000/3000 [00:23<00:00, 128.46 step/s]

[Valid(teacher)][23][UTT][MSE = 1.2192 | LCC = 0.6126 | SRCC = 0.5922 | [SYS][MSE = 0.7703 | LCC = 0.9823 | SRCC = 0.9446]
[Valid(teacher)][23][UTT][GML = 0.070013 | AML = 0.293825 | MoV = 0.279642 | VoV = 0.004921 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003359 | VoV = 0.000009]
Train: 100% 845/845 [05:48<00:00, 2.43 step/s]
Average loss=-0.00879076136779785
Valid(teacher): 100% 3000/3000 [00:17<00:00, 169.33 step/s]

[Valid(teacher)][24][UTT][MSE = 1.2834 | LCC = 0.6102 | SRCC = 0.5910 | [SYS][MSE = 0.8345 | LCC = 0.9831 | SRCC = 0.9521]
[Valid(teacher)][24][UTT][GML = 0.054246 | AML = 0.282935 | MoV = 0.266964 | VoV = 0.005237 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003231 | VoV = 0.000008]
Train: 100% 845/845 [04:06<00:00, 3.43 step/s]
Average loss=-0.10544717311859131
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.34 step/s]

[Valid(teacher)][25][UTT][MSE = 1.2862 | LCC = 0.6079 | SRCC = 0.5887 | [SYS][MSE = 0.8297 | LCC = 0.9830 | SRCC = 0.9597]
[Valid(teacher)][25][UTT][GML = 0.050819 | AML = 0.283123 | MoV = 0.261568 | VoV = 0.005073 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003169 | VoV = 0.000008]
Train: 100% 845/845 [03:34<00:00, 3.95 step/s]
Average loss=-0.11104030162096024
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.66 step/s]

[Valid(teacher)][26][UTT][MSE = 1.2560 | LCC = 0.6074 | SRCC = 0.5880 | [SYS][MSE = 0.7963 | LCC = 0.9829 | SRCC = 0.9460]
[Valid(teacher)][26][UTT][GML = 0.052345 | AML = 0.280682 | MoV = 0.259089 | VoV = 0.005227 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003156 | VoV = 0.000008]
Train: 100% 845/845 [04:16<00:00, 3.29 step/s]
Average loss=-0.1310596615076065
Valid(teacher): 100% 3000/3000 [00:22<00:00, 134.58 step/s]

[Valid(teacher)][27][UTT][MSE = 1.2110 | LCC = 0.6066 | SRCC = 0.5877 | [SYS][MSE = 0.7432 | LCC = 0.9826 | SRCC = 0.9521]
[Valid(teacher)][27][UTT][GML = 0.056180 | AML = 0.296639 | MoV = 0.256542 | VoV = 0.004920 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.003108 | VoV = 0.000008]
Train: 100% 845/845 [07:31<00:00, 1.87 step/s]
Average loss=-0.14020646051883698
Valid(teacher): 100% 3000/3000 [00:29<00:00, 103.29 step/s]

[Valid(teacher)][28][UTT][MSE = 1.3791 | LCC = 0.6028 | SRCC = 0.5853 | [SYS][MSE = 0.9210 | LCC = 0.9822 | SRCC = 0.9556]
[Valid(teacher)][28][UTT][GML = 0.033409 | AML = 0.267902 | MoV = 0.243312 | VoV = 0.004997 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002976 | VoV = 0.000008]
Train: 100% 845/845 [04:10<00:00, 3.37 step/s]
Average loss=-0.1507766855955124
Valid(teacher): 100% 3000/3000 [00:16<00:00, 185.20 step/s]

[Valid(teacher)][29][UTT][MSE = 1.2289 | LCC = 0.6065 | SRCC = 0.5870 | [SYS][MSE = 0.7556 | LCC = 0.9829 | SRCC = 0.9576]
[Valid(teacher)][29][UTT][GML = 0.047135 | AML = 0.294165 | MoV = 0.244191 | VoV = 0.004727 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002965 | VoV = 0.000007]
Train: 100% 845/845 [10:31<00:00, 1.34 step/s]
Average loss=-0.16166627407073975
Valid(teacher): 100% 3000/3000 [00:17<00:00, 174.91 step/s]

[Valid(teacher)][30][UTT][MSE = 1.1511 | LCC = 0.6084 | SRCC = 0.5884 | [SYS][MSE = 0.6704 | LCC = 0.9840 | SRCC = 0.9576]
[Valid(teacher)][30][UTT][GML = 0.057892 | AML = 0.307632 | MoV = 0.245964 | VoV = 0.004491 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002965 | VoV = 0.000007]
Train: 100% 845/845 [03:30<00:00, 4.02 step/s]
Average loss=-0.1811392903277942
Valid(teacher): 100% 3000/3000 [00:15<00:00, 194.46 step/s]

[Valid(teacher)][31][UTT][MSE = 1.0834 | LCC = 0.6106 | SRCC = 0.5907 | [SYS][MSE = 0.5980 | LCC = 0.9845 | SRCC = 0.9617]
[Valid(teacher)][31][UTT][GML = 0.066320 | AML = 0.320450 | MoV = 0.245494 | VoV = 0.004494 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002948 | VoV = 0.000007]
Train: 100% 845/845 [03:30<00:00, 4.01 step/s]
Average loss=-0.19266436994075775
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.95 step/s]

[Valid(teacher)][32][UTT][MSE = 0.9709 | LCC = 0.6123 | SRCC = 0.5914 | [SYS][MSE = 0.4743 | LCC = 0.9851 | SRCC = 0.9583]
[Valid(teacher)][32][UTT][GML = 0.007047 | AML = 0.343830 | MoV = 0.247675 | VoV = 0.004357 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002954 | VoV = 0.000006]
Train: 100% 845/845 [03:31<00:00, 3.99 step/s]
Average loss=-0.20738330483436584
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.37 step/s]

[Valid(teacher)][33][UTT][MSE = 0.9242 | LCC = 0.6125 | SRCC = 0.5903 | [SYS][MSE = 0.4221 | LCC = 0.9854 | SRCC = 0.9610]
[Valid(teacher)][33][UTT][GML = 0.097290 | AML = 0.353492 | MoV = 0.247817 | VoV = 0.004201 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002950 | VoV = 0.000006]
Train: 100% 845/845 [03:29<00:00, 4.03 step/s]
Average loss=-0.2187599539756775
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.37 step/s]

[Valid(teacher)][34][UTT][MSE = 0.9329 | LCC = 0.6109 | SRCC = 0.5893 | [SYS][MSE = 0.4271 | LCC = 0.9863 | SRCC = 0.9631]
[Valid(teacher)][34][UTT][GML = 0.093165 | AML = 0.352470 | MoV = 0.243993 | VoV = 0.004083 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002906 | VoV = 0.000006]
Train: 100% 845/845 [03:34<00:00, 3.94 step/s]
Average loss=-0.22972917556762695
Valid(teacher): 100% 3000/3000 [00:33<00:00, 90.03 step/s]

[Valid(teacher)][35][UTT][MSE = 0.8806 | LCC = 0.6113 | SRCC = 0.5886 | [SYS][MSE = 0.3726 | LCC = 0.9862 | SRCC = 0.9631]
[Valid(teacher)][35][UTT][GML = 0.103504 | AML = 0.364289 | MoV = 0.243398 | VoV = 0.004171 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002892 | VoV = 0.000006]
Train: 100% 845/845 [07:23<00:00, 1.90 step/s]
Average loss=-0.24276717007160187
Valid(teacher): 100% 3000/3000 [00:16<00:00, 186.17 step/s]

[Valid(teacher)][36][UTT][MSE = 0.9007 | LCC = 0.6006 | SRCC = 0.5871 | [SYS][MSE = 0.3967 | LCC = 0.9864 | SRCC = 0.9624]
[Valid(teacher)][36][UTT][GML = 0.095042 | AML = 0.357837 | MoV = 0.239379 | VoV = 0.004014 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002857 | VoV = 0.000006]
Train: 100% 845/845 [06:32<00:00, 2.15 step/s]
Average loss=-0.12108251452445984
Valid(teacher): 100% 3000/3000 [00:35<00:00, 84.91 step/s]

[Valid(teacher)][37][UTT][MSE = 0.8772 | LCC = 0.6109 | SRCC = 0.5887 | [SYS][MSE = 0.3659 | LCC = 0.9862 | SRCC = 0.9617]
[Valid(teacher)][37][UTT][GML = 0.103520 | AML = 0.365047 | MoV = 0.238089 | VoV = 0.003709 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002838 | VoV = 0.000006]
Train: 100% 845/845 [07:19<00:00, 1.92 step/s]
Average loss=-0.2601757049560547
Valid(teacher): 100% 3000/3000 [00:16<00:00, 181.41 step/s]

[Valid(teacher)][38][UTT][MSE = 0.8556 | LCC = 0.6136 | SRCC = 0.5907 | [SYS][MSE = 0.3456 | LCC = 0.9865 | SRCC = 0.9535]
[Valid(teacher)][38][UTT][GML = 0.109681 | AML = 0.369744 | MoV = 0.238050 | VoV = 0.003609 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002831 | VoV = 0.000006]
Train: 100% 845/845 [03:37<00:00, 3.89 step/s]
Average loss=-0.2744758129119873
Valid(teacher): 100% 3000/3000 [00:15<00:00, 189.14 step/s]

[Valid(teacher)][39][UTT][MSE = 0.8162 | LCC = 0.6146 | SRCC = 0.5905 | [SYS][MSE = 0.3013 | LCC = 0.9861 | SRCC = 0.9583]
[Valid(teacher)][39][UTT][GML = 0.118212 | AML = 0.379355 | MoV = 0.237278 | VoV = 0.003701 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002820 | VoV = 0.000006]
Train: 100% 845/845 [03:33<00:00, 3.96 step/s]
Average loss=-0.2842218577861786
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.11 step/s]

[Valid(teacher)][40][UTT][MSE = 0.8063 | LCC = 0.6149 | SRCC = 0.5908 | [SYS][MSE = 0.2923 | LCC = 0.9864 | SRCC = 0.9672]
[Valid(teacher)][40][UTT][GML = 0.120392 | AML = 0.381763 | MoV = 0.234787 | VoV = 0.003512 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002784 | VoV = 0.000006]
Train: 100% 845/845 [03:33<00:00, 3.95 step/s]
Average loss=-0.2977313697338104
Valid(teacher): 100% 3000/3000 [00:18<00:00, 164.74 step/s]

[Valid(teacher)][41][UTT][MSE = 0.7903 | LCC = 0.6131 | SRCC = 0.5883 | [SYS][MSE = 0.2720 | LCC = 0.9861 | SRCC = 0.9590]
[Valid(teacher)][41][UTT][GML = 0.124792 | AML = 0.386809 | MoV = 0.234730 | VoV = 0.003464 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002772 | VoV = 0.000005]
Train: 100% 845/845 [03:31<00:00, 4.00 step/s]
Average loss=-0.3108019232749939
Valid(teacher): 100% 3000/3000 [00:16<00:00, 183.96 step/s]

[Valid(teacher)][42][UTT][MSE = 0.8331 | LCC = 0.6096 | SRCC = 0.5852 | [SYS][MSE = 0.3099 | LCC = 0.9861 | SRCC = 0.9638]
[Valid(teacher)][42][UTT][GML = 0.105933 | AML = 0.377727 | MoV = 0.227935 | VoV = 0.003535 | [SYS][GML = 0.000000 | AML = 0.000000 | MoV = 0.002715 | VoV = 0.000005]
Train: 100% 845/845 [03:28<00:00, 4.05 step/s]
Average loss=-0.32393279671669006
Valid(teacher): 100% 3000/3000 [00:15<00:00, 193.17 step/s]

[Valid(teacher)][43][UTT][MSE = 0.7562 | LCC = 0.6132 | SRCC = 0.5869 | [SYS][MSE = 0.2327 | LCC = 0.9861 | SRCC = 0.9617]
[Valid(teacher)][43][UTT][GML = 0.130411 | AML = 0.398120 | MoV = 0.229279 | VoV = 0.003340 | [SYS][GML = 0.000000 | AML = 0.000002 | MoV = 0.002713 | VoV = 0.000005]

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Train: 100% 845/845 [03:30<00:00, 4.01 step/s]
Average loss=-0.3276602029800415
Valid(teacher): 100% 3000/3000 [00:17<00:00, 170.71 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.7534 | LCC = 0.6129 | SRCC = 0.5865 | [SYS][ MSE = 0.2293 | LCC = 0.9863 | SRCC = 0.9644 |
[Valid(teacher)][44][UTT][ GML = 0.129940 | AML = 0.400161 | MoV = 0.227028 | VoV = 0.003237 | [SYS][ GML = 0.000000 | AML = 0.000003 | MoV = 0.002681 | VoV = 0.000005 |
Train: 100% 845/845 [03:30<00:00, 4.01 step/s]
Average loss=-0.34501543410090393
Valid(teacher): 100% 3000/3000 [00:16<00:00, 182.73 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.7553 | LCC = 0.6120 | SRCC = 0.5857 | [SYS][ MSE = 0.2339 | LCC = 0.9858 | SRCC = 0.9651 |
[Valid(teacher)][45][UTT][ GML = 0.126986 | AML = 0.399753 | MoV = 0.223829 | VoV = 0.003129 | [SYS][ GML = 0.000000 | AML = 0.000001 | MoV = 0.002646 | VoV = 0.000005 |
Train: 100% 845/845 [03:34<00:00, 3.93 step/s]
Average loss=-0.353190153837204
Valid(teacher): 100% 3000/3000 [00:29<00:00, 101.39 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.7503 | LCC = 0.6125 | SRCC = 0.5873 | [SYS][ MSE = 0.2216 | LCC = 0.9855 | SRCC = 0.9665 |
[Valid(teacher)][46][UTT][ GML = 0.125475 | AML = 0.401817 | MoV = 0.221345 | VoV = 0.003166 | [SYS][ GML = 0.000000 | AML = 0.000007 | MoV = 0.002621 | VoV = 0.000005 |
Train: 100% 845/845 [04:31<00:00, 3.11 step/s]
Average loss=-0.36302635073661804
Valid(teacher): 100% 3000/3000 [00:17<00:00, 175.10 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.7192 | LCC = 0.6150 | SRCC = 0.5882 | [SYS][ MSE = 0.1961 | LCC = 0.9855 | SRCC = 0.9651 |
[Valid(teacher)][47][UTT][ GML = 0.135087 | AML = 0.410554 | MoV = 0.220789 | VoV = 0.003152 | [SYS][ GML = 0.000000 | AML = 0.000052 | MoV = 0.002606 | VoV = 0.000005 |
Train: 100% 845/845 [05:03<00:00, 2.79 step/s]
Average loss=-0.36963388323783875
Valid(teacher): 100% 3000/3000 [00:23<00:00, 129.74 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.7405 | LCC = 0.6158 | SRCC = 0.5894 | [SYS][ MSE = 0.2208 | LCC = 0.9856 | SRCC = 0.9665 |
[Valid(teacher)][48][UTT][ GML = 0.125772 | AML = 0.403973 | MoV = 0.217886 | VoV = 0.003082 | [SYS][ GML = 0.000000 | AML = 0.000011 | MoV = 0.002574 | VoV = 0.000005 |
Train: 100% 845/845 [07:05<00:00, 1.99 step/s]
Average loss=-0.3831057442855835
Valid(teacher): 100% 3000/3000 [01:01<00:00, 48.52 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.6979 | LCC = 0.6179 | SRCC = 0.5911 | [SYS][ MSE = 0.1752 | LCC = 0.9859 | SRCC = 0.9726 |
[Valid(teacher)][49][UTT][ GML = 0.141000 | AML = 0.416658 | MoV = 0.217480 | VoV = 0.002969 | [SYS][ GML = 0.000000 | AML = 0.000628 | MoV = 0.002555 | VoV = 0.000004 |
Train: 100% 845/845 [07:31<00:00, 1.87 step/s]
Average loss=-0.39367371797561646
Valid(teacher): 100% 3000/3000 [00:17<00:00, 174.65 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.6891 | LCC = 0.6108 | SRCC = 0.5919 | [SYS][ MSE = 0.1669 | LCC = 0.9853 | SRCC = 0.9583 |
[Valid(teacher)][50][UTT][ GML = 0.143831 | AML = 0.420183 | MoV = 0.215413 | VoV = 0.002788 | [SYS][ GML = 0.000000 | AML = 0.001019 | MoV = 0.002526 | VoV = 0.000004 |
Train: 100% 845/845 [03:42<00:00, 3.79 step/s]
Average loss=-0.40063613653182983
Valid(teacher): 100% 3000/3000 [00:17<00:00, 176.44 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.6645 | LCC = 0.6191 | SRCC = 0.5915 | [SYS][ MSE = 0.1395 | LCC = 0.9852 | SRCC = 0.9603 |
[Valid(teacher)][51][UTT][ GML = 0.154482 | AML = 0.427405 | MoV = 0.215852 | VoV = 0.002715 | [SYS][ GML = 0.000000 | AML = 0.009047 | MoV = 0.002519 | VoV = 0.000004 |
Train: 100% 845/845 [03:40<00:00, 3.84 step/s]
Average loss=-0.40532904903357544
Valid(teacher): 100% 3000/3000 [00:17<00:00, 170.76 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.6517 | LCC = 0.6187 | SRCC = 0.5909 | [SYS][ MSE = 0.1274 | LCC = 0.9851 | SRCC = 0.9603 |
[Valid(teacher)][52][UTT][ GML = 0.160387 | AML = 0.430018 | MoV = 0.215263 | VoV = 0.002619 | [SYS][ GML = 0.000000 | AML = 0.014983 | MoV = 0.002507 | VoV = 0.000004 |
Train: 100% 845/845 [03:34<00:00, 3.94 step/s]
Average loss=-0.30554330348968506
Valid(teacher): 100% 3000/3000 [00:22<00:00, 135.44 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.6253 | LCC = 0.6200 | SRCC = 0.5920 | [SYS][ MSE = 0.1045 | LCC = 0.9853 | SRCC = 0.9542 |
[Valid(teacher)][53][UTT][ GML = 0.174336 | AML = 0.437991 | MoV = 0.214259 | VoV = 0.002374 | [SYS][ GML = 0.000000 | AML = 0.042780 | MoV = 0.002487 | VoV = 0.000004 |
Train: 100% 845/845 [05:43<00:00, 2.46 step/s]
Average loss=-0.42361006140708923
Valid(teacher): 100% 3000/3000 [00:41<00:00, 72.00 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.6282 | LCC = 0.6195 | SRCC = 0.5917 | [SYS][ MSE = 0.1048 | LCC = 0.9851 | SRCC = 0.9610 |
[Valid(teacher)][54][UTT][ GML = 0.170135 | AML = 0.437725 | MoV = 0.212446 | VoV = 0.002366 | [SYS][ GML = 0.000000 | AML = 0.028372 | MoV = 0.002470 | VoV = 0.000004 |
Train: 100% 845/845 [07:24<00:00, 1.90 step/s]
Average loss=-0.4368763560017151
Valid(teacher): 100% 3000/3000 [00:16<00:00, 187.09 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.6061 | LCC = 0.6205 | SRCC = 0.5931 | [SYS][ MSE = 0.0878 | LCC = 0.9844 | SRCC = 0.9535 |
[Valid(teacher)][55][UTT][ GML = 0.182039 | AML = 0.445020 | MoV = 0.211942 | VoV = 0.002197 | [SYS][ GML = 0.000000 | AML = 0.084917 | MoV = 0.002451 | VoV = 0.000004 |
Train: 100% 845/845 [07:32<00:00, 1.87 step/s]
Average loss=-0.44601696729660034
Valid(teacher): 100% 3000/3000 [00:39<00:00, 76.00 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5825 | LCC = 0.6222 | SRCC = 0.5946 | [SYS][ MSE = 0.0642 | LCC = 0.9834 | SRCC = 0.9542 |
[Valid(teacher)][56][UTT][ GML = 0.194908 | AML = 0.453086 | MoV = 0.212710 | VoV = 0.002173 | [SYS][ GML = 0.000000 | AML = 0.497280 | MoV = 0.002444 | VoV = 0.000003 |
Train: 100% 845/845 [06:02<00:00, 2.33 step/s]
Average loss=-0.4590061604976654
Valid(teacher): 100% 3000/3000 [00:17<00:00, 171.48 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.5734 | LCC = 0.6229 | SRCC = 0.5951 | [SYS][ MSE = 0.0580 | LCC = 0.9833 | SRCC = 0.9569 |
[Valid(teacher)][57][UTT][ GML = 0.197698 | AML = 0.455922 | MoV = 0.209509 | VoV = 0.002098 | [SYS][ GML = 0.000002 | AML = 0.728049 | MoV = 0.002408 | VoV = 0.000003 |
Train: 100% 845/845 [03:43<00:00, 3.78 step/s]
Average loss=-0.46226200461387634
Valid(teacher): 100% 3000/3000 [00:21<00:00, 140.06 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5704 | LCC = 0.6234 | SRCC = 0.5953 | [SYS][ MSE = 0.0576 | LCC = 0.9836 | SRCC = 0.9569 |
[Valid(teacher)][58][UTT][ GML = 0.198292 | AML = 0.457768 | MoV = 0.207560 | VoV = 0.002036 | [SYS][ GML = 0.000002 | AML = 0.688516 | MoV = 0.002381 | VoV = 0.000003 |
Train: 100% 845/845 [03:37<00:00, 3.89 step/s]
Average loss=-0.4737337827682495
Valid(teacher): 100% 3000/3000 [00:15<00:00, 192.45 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.5574 | LCC = 0.6235 | SRCC = 0.5943 | [SYS][ MSE = 0.0485 | LCC = 0.9839 | SRCC = 0.9603 |
[Valid(teacher)][59][UTT][ GML = 0.206571 | AML = 0.462402 | MoV = 0.205841 | VoV = 0.001840 | [SYS][ GML = 0.000038 | AML = 1.154976 | MoV = 0.002352 | VoV = 0.000003 |
Train: 100% 845/845 [11:12<00:00, 1.26 step/s]
Average loss=-0.4868854880332947
Valid(teacher): 100% 3000/3000 [00:17<00:00, 167.34 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.5607 | LCC = 0.6246 | SRCC = 0.5948 | [SYS][ MSE = 0.0537 | LCC = 0.9854 | SRCC = 0.9603 |
[Valid(teacher)][60][UTT][ GML = 0.201090 | AML = 0.462091 | MoV = 0.201940 | VoV = 0.001799 | [SYS][ GML = 0.000007 | AML = 0.624875 | MoV = 0.002310 | 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 [02:17<00:00, 29.03 step/s]

[Test(best)][61][UTT][ MSE = 1.0258 | LCC = 0.6483 | SRCC = 0.6119 | [SYS][ MSE = 0.6130 | LCC = 0.9705 | SRCC = 0.9344 |
[Test(best)][61][UTT][ GML = 0.154273 | AML = 0.315650 | MoV = 0.375132 | VoV = 0.005431 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003178 | VoV = 0.000006 |
Test(last): 100% 4000/4000 [00:27<00:00, 145.06 step/s]

[Test(last)][61][UTT][ MSE = 0.5607 | LCC = 0.6236 | SRCC = 0.5943 | [SYS][ MSE = 0.0548 | LCC = 0.9765 | SRCC = 0.9638 |
[Test(last)][61][UTT][ GML = 0.199852 | AML = 0.463191 | MoV = 0.202926 | VoV = 0.001887 | [SYS][ GML = 0.000000 | AML = 0.631560 | MoV = 0.001696 | VoV = 0.000002 |
(lxygpu) [x_xliang@node050 ProMOSNet]$
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