

```
xgboost --x_xlian_node036 $python train.py --lamb_c=1 --lamb_t=1 --save_path "run3/"
```

```
Loading all wav files.
```

```
[REDACTED] | 5840/5840 [07:36-00:00, 118.31it/s]
```

```
/proj/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'][ii] = self.idtable[judge_i]
```

```
Loading all wav files.
```

```
[REDACTED] | 3000/3000 [01:40-00:00, 29.71it/s]
```

```
/proj/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'][ii] = self.idtable[judge_i]
```

```
Loading all wav files.
```

```
[REDACTED] | 4000/4000 [02:15-00:00, 29.57it/s]
```

```
/proj/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'][ii] = self.idtable[judge_i]
```

```
Train: 100% 845/845 [03:24-00:00, 4.12 step/s]
```

```
Average loss=0.3009.697265625
```

```
Valid(teacher): 100% 3000/3000 [00:15-00:00, 188.73 step/s]
```

  

```
[Valid(teacher)][0][UTT] MSE = 2.5081 | LCC = 0.5097 | SRCC = 0.4839 | [SYS] MSE = 2.3454 | LCC = 0.8331 | SRCC = 0.8544 ]
```

```
[Valid(teacher)][0][UTT] GML = 0.047909 | AML = 0.165102 | MoV = 0.524942 | VoV = 0.014240 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.006193 | VoV = 0.000032 ]
```

```
Train: 100% 845/845 [03:23-00:00, 4.15 step/s]
```

```
Average loss=0.6316827535629272
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 202.06 step/s]
```

  

```
[Valid(teacher)][1][UTT] MSE = 2.0390 | LCC = 0.5613 | SRCC = 0.5306 | [SYS] MSE = 1.7572 | LCC = 0.9016 | SRCC = 0.8516 ]
```

```
[Valid(teacher)][1][UTT] GML = 0.035348 | AML = 0.184841 | MoV = 0.382865 | VoV = 0.010413 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004653 | VoV = 0.000022 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.14 step/s]
```

```
Average loss=0.5160613656044006
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 202.36 step/s]
```

  

```
[Valid(teacher)][2][UTT] MSE = 1.9790 | LCC = 0.5751 | SRCC = 0.5374 | [SYS] MSE = 1.6490 | LCC = 0.9260 | SRCC = 0.8462 ]
```

```
[Valid(teacher)][2][UTT] GML = 0.038916 | AML = 0.186384 | MoV = 0.361355 | VoV = 0.009660 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004389 | VoV = 0.000019 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.14 step/s]
```

```
Average loss=0.4649243547973633
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 201.57 step/s]
```

  

```
[Valid(teacher)][3][UTT] MSE = 1.7992 | LCC = 0.5843 | SRCC = 0.5427 | [SYS] MSE = 1.4500 | LCC = 0.9376 | SRCC = 0.8475 ]
```

```
[Valid(teacher)][3][UTT] GML = 0.044520 | AML = 0.206065 | MoV = 0.371960 | VoV = 0.008930 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004460 | VoV = 0.000018 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.14 step/s]
```

```
Average loss=0.4282388985157013
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 202.10 step/s]
```

  

```
[Valid(teacher)][4][UTT] MSE = 1.7143 | LCC = 0.5948 | SRCC = 0.5512 | [SYS] MSE = 1.3656 | LCC = 0.9468 | SRCC = 0.8632 ]
```

```
[Valid(teacher)][4][UTT] GML = 0.049862 | AML = 0.215719 | MoV = 0.357282 | VoV = 0.007224 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004253 | VoV = 0.000015 ]
```

```
Train: 100% 845/845 [03:23-00:00, 4.14 step/s]
```

```
Average loss=0.4026242196559906
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 200.93 step/s]
```

  

```
[Valid(teacher)][5][UTT] MSE = 1.7405 | LCC = 0.5977 | SRCC = 0.5540 | [SYS] MSE = 1.3925 | LCC = 0.9499 | SRCC = 0.8694 ]
```

```
[Valid(teacher)][5][UTT] GML = 0.047218 | AML = 0.212238 | MoV = 0.353339 | VoV = 0.007133 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004218 | VoV = 0.000015 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.13 step/s]
```

```
Average loss=0.3764238655567169
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 201.08 step/s]
```

  

```
[Valid(teacher)][6][UTT] MSE = 1.5829 | LCC = 0.6026 | SRCC = 0.5591 | [SYS] MSE = 1.2212 | LCC = 0.9539 | SRCC = 0.8762 ]
```

```
[Valid(teacher)][6][UTT] GML = 0.062893 | AML = 0.232601 | MoV = 0.359242 | VoV = 0.006812 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004263 | VoV = 0.000015 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.14 step/s]
```

```
Average loss=0.35798028111457825
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 201.38 step/s]
```

  

```
[Valid(teacher)][7][UTT] MSE = 1.4738 | LCC = 0.6059 | SRCC = 0.5634 | [SYS] MSE = 1.1071 | LCC = 0.9575 | SRCC = 0.8892 ]
```

```
[Valid(teacher)][7][UTT] GML = 0.078545 | AML = 0.247874 | MoV = 0.366188 | VoV = 0.006268 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004321 | VoV = 0.000015 ]
```

```
Train: 100% 845/845 [03:23-00:00, 4.15 step/s]
```

```
Average loss=0.3384373188018799
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 200.94 step/s]
```

  

```
[Valid(teacher)][8][UTT] MSE = 1.3024 | LCC = 0.6115 | SRCC = 0.5710 | [SYS] MSE = 0.9302 | LCC = 0.9612 | SRCC = 0.8940 ]
```

```
[Valid(teacher)][8][UTT] GML = 0.107225 | AML = 0.272790 | MoV = 0.375052 | VoV = 0.005472 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004392 | VoV = 0.000014 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.15 step/s]
```

```
Average loss=0.30905890464782715
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 201.48 step/s]
```

  

```
[Valid(teacher)][9][UTT] MSE = 1.2687 | LCC = 0.6126 | SRCC = 0.5757 | [SYS] MSE = 0.8968 | LCC = 0.9633 | SRCC = 0.8954 ]
```

```
[Valid(teacher)][9][UTT] GML = 0.114219 | AML = 0.278300 | MoV = 0.373739 | VoV = 0.004807 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004368 | VoV = 0.000013 ]
```

```
Train: 100% 845/845 [03:24-00:00, 4.13 step/s]
```

```
Average loss=0.28548943996429443
```

```
Valid(teacher): 100% 3000/3000 [00:14-00:00, 201.27 step/s]
```

  

```
[Valid(teacher)][10][UTT] MSE = 1.1681 | LCC = 0.6144 | SRCC = 0.5794 | [SYS] MSE = 0.7885 | LCC = 0.9657 | SRCC = 0.8981 ]
```

```
[Valid(teacher)][10][UTT] GML = 0.132663 | AML = 0.293859 | MoV = 0.374593 | VoV = 0.004291 | [SYS] GML = 0.000000 | AML = 0.000000 | MoV = 0.004353 | VoV = 0.000013 ]
```

```
Train: 100% 845/845 [03:23-00:00, 4.14 step/s]
```

```
Average loss=0.2641618251800537
```

```
Valid(teacher): 100% 3000
```

Average loss=0.07513032108545303  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.24 step/s]

[Valid(teacher)][20][UTT][ MSE = 0.8116 | LCC = 0.6356 | SRCC = 0.6005 | [SYS][ MSE = 0.3893 | LCC = 0.9799 | SRCC = 0.9658 ]  
[Valid(teacher)][20][UTT][ GML = 0.202406 | AML = 0.359726 | MoV = 0.338737 | VoV = 0.002438 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003814 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=0.05565892984996872  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.24 step/s]

[Valid(teacher)][21][UTT][ MSE = 0.8118 | LCC = 0.6347 | SRCC = 0.5983 | [SYS][ MSE = 0.3880 | LCC = 0.9807 | SRCC = 0.9658 ]  
[Valid(teacher)][21][UTT][ GML = 0.200743 | AML = 0.360006 | MoV = 0.334956 | VoV = 0.002307 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003765 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]  
Average loss=0.03329397737979889  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.04 step/s]

[Valid(teacher)][22][UTT][ MSE = 0.8130 | LCC = 0.6355 | SRCC = 0.5986 | [SYS][ MSE = 0.3885 | LCC = 0.9816 | SRCC = 0.9665 ]  
[Valid(teacher)][22][UTT][ GML = 0.197819 | AML = 0.360390 | MoV = 0.329404 | VoV = 0.002261 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.003701 | VoV = 0.000007 ]  
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]  
Average loss=0.013020863756537437  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.44 step/s]

[Valid(teacher)][23][UTT][ MSE = 0.7221 | LCC = 0.6387 | SRCC = 0.6013 | [SYS][ MSE = 0.2897 | LCC = 0.9824 | SRCC = 0.9644 ]  
[Valid(teacher)][23][UTT][ GML = 0.226599 | AML = 0.380942 | MoV = 0.326963 | VoV = 0.002215 | [SYS][ GML = 0.000000 | AML = 0.000046 | MoV = 0.003649 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=-0.0029114719945937395  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.45 step/s]

[Valid(teacher)][24][UTT][ MSE = 0.7270 | LCC = 0.6401 | SRCC = 0.6024 | [SYS][ MSE = 0.2971 | LCC = 0.9827 | SRCC = 0.9665 ]  
[Valid(teacher)][24][UTT][ GML = 0.223139 | AML = 0.380233 | MoV = 0.323832 | VoV = 0.002395 | [SYS][ GML = 0.000000 | AML = 0.000025 | MoV = 0.003613 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]  
Average loss=-0.018695978447794914  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.59 step/s]

[Valid(teacher)][25][UTT][ MSE = 0.7370 | LCC = 0.6393 | SRCC = 0.6012 | [SYS][ MSE = 0.3074 | LCC = 0.9830 | SRCC = 0.9624 ]  
[Valid(teacher)][25][UTT][ GML = 0.217554 | AML = 0.378635 | MoV = 0.319512 | VoV = 0.002265 | [SYS][ GML = 0.000000 | AML = 0.000006 | MoV = 0.003566 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=-0.04259135201573372  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.13 step/s]

[Valid(teacher)][26][UTT][ MSE = 0.6939 | LCC = 0.6422 | SRCC = 0.6042 | [SYS][ MSE = 0.2642 | LCC = 0.9842 | SRCC = 0.9665 ]  
[Valid(teacher)][26][UTT][ GML = 0.232057 | AML = 0.380670 | MoV = 0.316412 | VoV = 0.002195 | [SYS][ GML = 0.000000 | AML = 0.000150 | MoV = 0.003517 | VoV = 0.000006 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=-0.059415142983198166  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.72 step/s]

[Valid(teacher)][27][UTT][ MSE = 0.6835 | LCC = 0.6419 | SRCC = 0.6039 | [SYS][ MSE = 0.2550 | LCC = 0.9842 | SRCC = 0.9720 ]  
[Valid(teacher)][27][UTT][ GML = 0.234038 | AML = 0.391413 | MoV = 0.312259 | VoV = 0.002139 | [SYS][ GML = 0.000000 | AML = 0.000456 | MoV = 0.003468 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.07919136434793472  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.02 step/s]

[Valid(teacher)][28][UTT][ MSE = 0.6153 | LCC = 0.6467 | SRCC = 0.6085 | [SYS][ MSE = 0.1856 | LCC = 0.9847 | SRCC = 0.9692 ]  
[Valid(teacher)][28][UTT][ GML = 0.261286 | AML = 0.408564 | MoV = 0.309792 | VoV = 0.002011 | [SYS][ GML = 0.000000 | AML = 0.018341 | MoV = 0.003420 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.09846151620149612  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.31 step/s]

[Valid(teacher)][29][UTT][ MSE = 0.5837 | LCC = 0.6481 | SRCC = 0.6099 | [SYS][ MSE = 0.1524 | LCC = 0.9849 | SRCC = 0.9692 ]  
[Valid(teacher)][29][UTT][ GML = 0.273500 | AML = 0.417866 | MoV = 0.305459 | VoV = 0.001932 | [SYS][ GML = 0.000000 | AML = 0.050822 | MoV = 0.003365 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]  
Average loss=-0.11854059249162674  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.70 step/s]

[Valid(teacher)][30][UTT][ MSE = 0.6044 | LCC = 0.6458 | SRCC = 0.6076 | [SYS][ MSE = 0.1741 | LCC = 0.9858 | SRCC = 0.9665 ]  
[Valid(teacher)][30][UTT][ GML = 0.260862 | AML = 0.413722 | MoV = 0.299175 | VoV = 0.001991 | [SYS][ GML = 0.000000 | AML = 0.013030 | MoV = 0.003306 | VoV = 0.000005 ]  
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]  
Average loss=-0.13427624106407166  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.35 step/s]

[Valid(teacher)][31][UTT][ MSE = 0.5584 | LCC = 0.6485 | SRCC = 0.6106 | [SYS][ MSE = 0.1275 | LCC = 0.9861 | SRCC = 0.9679 ]  
[Valid(teacher)][31][UTT][ GML = 0.280814 | AML = 0.426816 | MoV = 0.295332 | VoV = 0.001900 | [SYS][ GML = 0.000000 | AML = 0.079512 | MoV = 0.003246 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.14904820919036865  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.10 step/s]

[Valid(teacher)][32][UTT][ MSE = 0.5553 | LCC = 0.6484 | SRCC = 0.6104 | [SYS][ MSE = 0.1256 | LCC = 0.9858 | SRCC = 0.9733 ]  
[Valid(teacher)][32][UTT][ GML = 0.280583 | AML = 0.428720 | MoV = 0.291658 | VoV = 0.001866 | [SYS][ GML = 0.000000 | AML = 0.091325 | MoV = 0.003205 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.16827186942100525  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.35 step/s]

[Valid(teacher)][33][UTT][ MSE = 0.5285 | LCC = 0.6489 | SRCC = 0.6110 | [SYS][ MSE = 0.0964 | LCC = 0.9852 | SRCC = 0.9672 ]  
[Valid(teacher)][33][UTT][ GML = 0.292859 | AML = 0.437164 | MoV = 0.288860 | VoV = 0.001832 | [SYS][ GML = 0.000001 | AML = 0.223029 | MoV = 0.003165 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.1811336725950241  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.46 step/s]

[Valid(teacher)][34][UTT][ MSE = 0.5434 | LCC = 0.6482 | SRCC = 0.6104 | [SYS][ MSE = 0.1129 | LCC = 0.9858 | SRCC = 0.9733 ]  
[Valid(teacher)][34][UTT][ GML = 0.282932 | AML = 0.433648 | MoV = 0.285033 | VoV = 0.001842 | [SYS][ GML = 0.000000 | AML = 0.127005 | MoV = 0.003126 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.1996525526046753  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.15 step/s]

[Valid(teacher)][35][UTT][ MSE = 0.5296 | LCC = 0.6486 | SRCC = 0.6104 | [SYS][ MSE = 0.1004 | LCC = 0.9855 | SRCC = 0.9672 ]  
[Valid(teacher)][35][UTT][ GML = 0.289290 | AML = 0.438087 | MoV = 0.282833 | VoV = 0.001860 | [SYS][ GML = 0.000000 | AML = 0.215906 | MoV = 0.003096 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=-0.21443544328212738  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.54 step/s]

[Valid(teacher)][36][UTT][ MSE = 0.5036 | LCC = 0.6484 | SRCC = 0.6101 | [SYS][ MSE = 0.0729 | LCC = 0.9841 | SRCC = 0.9590 ]  
[Valid(teacher)][36][UTT][ GML = 0.302690 | AML = 0.445922 | MoV = 0.281304 | VoV = 0.001824 | [SYS][ GML = 0.000043 | AML = 0.781173 | MoV = 0.003069 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]  
Average loss=-0.2316160351037979  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.54 step/s]

[Valid(teacher)][37][UTT][ MSE = 0.4978 | LCC = 0.6481 | SRCC = 0.6108 | [SYS][ MSE = 0.0646 | LCC = 0.9849 | SRCC = 0.9672 ]  
[Valid(teacher)][37][UTT][ GML = 0.303273 | AML = 0.448960 | MoV = 0.276998 | VoV = 0.001847 | [SYS][ GML = 0.000167 | AML = 0.872877 | MoV = 0.003022 | VoV = 0.000004 ]  
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]  
Average loss=-0.24212782084941864  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.15 step/s]

[Valid(teacher)][38][UTT][ MSE = 0.4870 | LCC = 0.6476 | SRCC = 0.6101 | [SYS][ MSE = 0.0542 | LCC = 0.9834 | SRCC = 0.9590 ]  
[Valid(teacher)][38][UTT][ GML = 0.308940 | AML = 0.452787 | MoV = 0.274411 | VoV = 0.001761 | [SYS][ GML = 0.001226 | AML = 1.447831 | MoV = 0.002984 | VoV = 0.000003 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.2490648329257965  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.88 step/s]

[Valid(teacher)][39][UTT][ MSE = 0.4854 | LCC = 0.6486 | SRCC = 0.6103 | [SYS][ MSE = 0.0537 | LCC = 0.9841 | SRCC = 0.9631 ]  
[Valid(teacher)][39][UTT][ GML = 0.308937 | AML = 0.453432 | MoV = 0.272760 | VoV = 0.001801 | [SYS][ GML = 0.001322 | AML = 1.485095 | MoV = 0.002969 | VoV = 0.000003 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.275409072637558  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.47 step/s]

[Valid(teacher)][40][UTT][ MSE = 0.4973 | LCC = 0.6460 | SRCC = 0.6079 | [SYS][ MSE = 0.0656 | LCC = 0.9840 | SRCC = 0.9583 ]  
[Valid(teacher)][40][UTT][ GML = 0.300592 | AML = 0.450064 | MoV = 0.269979 | VoV = 0.001835 | [SYS][ GML = 0.000124 | AML = 1.159841 | MoV = 0.002938 | VoV = 0.000003 ]  
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]  
Average loss=-0.2911939024925232  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.46 step/s]

[Valid(teacher)][41][UTT][ MSE = 0.4776 | LCC = 0.6460 | SRCC = 0.6079 | [SYS][ MSE = 0.0467 | LCC = 0.9835 | SRCC = 0.9549 ]  
[Valid(teacher)][41][UTT][ GML = 0.310910 | AML = 0.456517 | MoV = 0.266304 | VoV = 0.001725 | [SYS][ GML = 0.004969 | AML = 1.714531 | MoV = 0.002895 | VoV = 0.000003 ]  
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]  
Average loss=-0.30528944730758667  
Valid(teacher): 100% 3000/3000 [00:15<00:00, 195.01 step/s]

[Valid(teacher)][42][UTT][ MSE = 0.4792 | LCC = 0.6458 | SRCC = 0.6081 | [SYS][ MSE = 0.0483 | LCC = 0.9840 | SRCC = 0.9556 ]  
[Valid(teacher)][42][UTT][ GML = 0.308376 | AML = 0.456341 | MoV = 0.264590 | VoV = 0.001817 | [SYS][ GML = 0.003498 | AML = 1.709035 | MoV = 0.002880 | VoV = 0.000003 ]  
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]  
Average loss=-0.3114713132381439  
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.31 step/s]

[Valid(teacher)][43][UTT][ MSE = 0.4885 | LCC = 0.6429 | SRCC = 0.6059 | [SYS][ MSE = 0.0593 | LCC = 0.9829 | SRCC = 0.9576 ]  
[Valid(teacher)][43][UTT][ GML = 0.302145 | AML = 0.453246 | MoV = 0.263865 | VoV = 0.001850 | [SYS][ GML = 0.000495 | AML = 1.480596 | MoV = 0.002880 | VoV = 0.000003 ]

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Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.34103479981422424
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.68 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.4836 | LCC = 0.6413 | SRCC = 0.6039 | [SYS][ MSE = 0.0514 | LCC = 0.9818 | SRCC = 0.9515 ]
[Valid(teacher)][44][UTT][ GML = 0.302709 | AML = 0.456620 | MoV = 0.259868 | VoV = 0.001816 | [SYS][ GML = 0.001950 | AML = 1.540729 | MoV = 0.002839 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.3460366061343384
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.61 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.4795 | LCC = 0.6417 | SRCC = 0.6041 | [SYS][ MSE = 0.0453 | LCC = 0.9826 | SRCC = 0.9569 ]
[Valid(teacher)][45][UTT][ GML = 0.302737 | AML = 0.459589 | MoV = 0.255237 | VoV = 0.001759 | [SYS][ GML = 0.004972 | AML = 1.540976 | MoV = 0.002787 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.3623458445072174
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.30 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.4762 | LCC = 0.6407 | SRCC = 0.6034 | [SYS][ MSE = 0.0411 | LCC = 0.9828 | SRCC = 0.9562 ]
[Valid(teacher)][46][UTT][ GML = 0.302542 | AML = 0.461488 | MoV = 0.252825 | VoV = 0.001835 | [SYS][ GML = 0.011083 | AML = 1.663030 | MoV = 0.002758 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.37148335576057434
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.39 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.4875 | LCC = 0.6397 | SRCC = 0.6035 | [SYS][ MSE = 0.0524 | LCC = 0.9826 | SRCC = 0.9549 ]
[Valid(teacher)][47][UTT][ GML = 0.294288 | AML = 0.457306 | MoV = 0.251785 | VoV = 0.001963 | [SYS][ GML = 0.001015 | AML = 1.505222 | MoV = 0.002745 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.3838031589984894
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.31 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.4740 | LCC = 0.6381 | SRCC = 0.6025 | [SYS][ MSE = 0.0379 | LCC = 0.9816 | SRCC = 0.9549 ]
[Valid(teacher)][48][UTT][ GML = 0.300987 | AML = 0.462604 | MoV = 0.248564 | VoV = 0.001812 | [SYS][ GML = 0.017909 | AML = 1.924552 | MoV = 0.002708 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.39898329973220825
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.61 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.4675 | LCC = 0.6404 | SRCC = 0.6054 | [SYS][ MSE = 0.0341 | LCC = 0.9827 | SRCC = 0.9549 ]
[Valid(teacher)][49][UTT][ GML = 0.303699 | AML = 0.465054 | MoV = 0.246382 | VoV = 0.001750 | [SYS][ GML = 0.040718 | AML = 2.195186 | MoV = 0.002688 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.4106929302215576
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.56 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.4717 | LCC = 0.6405 | SRCC = 0.6056 | [SYS][ MSE = 0.0393 | LCC = 0.9830 | SRCC = 0.9556 ]
[Valid(teacher)][50][UTT][ GML = 0.290141 | AML = 0.463877 | MoV = 0.244159 | VoV = 0.001786 | [SYS][ GML = 0.014894 | AML = 2.012712 | MoV = 0.002674 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.42173048853874207
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.50 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.4694 | LCC = 0.6415 | SRCC = 0.6072 | [SYS][ MSE = 0.0364 | LCC = 0.9836 | SRCC = 0.9535 ]
[Valid(teacher)][51][UTT][ GML = 0.297837 | AML = 0.465733 | MoV = 0.240578 | VoV = 0.001780 | [SYS][ GML = 0.024248 | AML = 2.051039 | MoV = 0.002633 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.43324631452560425
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.83 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.4633 | LCC = 0.6407 | SRCC = 0.6072 | [SYS][ MSE = 0.0316 | LCC = 0.9827 | SRCC = 0.9556 ]
[Valid(teacher)][52][UTT][ GML = 0.300572 | AML = 0.468851 | MoV = 0.237751 | VoV = 0.001661 | [SYS][ GML = 0.059485 | AML = 2.294502 | MoV = 0.002597 | VoV = 0.000003 ]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=-0.446570545349518
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.09 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.4657 | LCC = 0.6358 | SRCC = 0.6031 | [SYS][ MSE = 0.0324 | LCC = 0.9795 | SRCC = 0.9480 ]
[Valid(teacher)][53][UTT][ GML = 0.298425 | AML = 0.468219 | MoV = 0.236819 | VoV = 0.001664 | [SYS][ GML = 0.035540 | AML = 1.806082 | MoV = 0.002578 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.4672025144100189
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.54 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.4690 | LCC = 0.6384 | SRCC = 0.6042 | [SYS][ MSE = 0.0379 | LCC = 0.9811 | SRCC = 0.9480 ]
[Valid(teacher)][54][UTT][ GML = 0.293296 | AML = 0.467784 | MoV = 0.232706 | VoV = 0.001626 | [SYS][ GML = 0.015279 | AML = 2.015866 | MoV = 0.002545 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.15 step/s]
Average loss=-0.47630831599235535
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.96 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.4667 | LCC = 0.6390 | SRCC = 0.6046 | [SYS][ MSE = 0.0348 | LCC = 0.9826 | SRCC = 0.9556 ]
[Valid(teacher)][55][UTT][ GML = 0.292873 | AML = 0.469598 | MoV = 0.229873 | VoV = 0.001590 | [SYS][ GML = 0.027730 | AML = 2.071012 | MoV = 0.002515 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.48840248584747314
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.69 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.4725 | LCC = 0.6358 | SRCC = 0.6019 | [SYS][ MSE = 0.0400 | LCC = 0.9818 | SRCC = 0.9535 ]
[Valid(teacher)][56][UTT][ GML = 0.287796 | AML = 0.467134 | MoV = 0.228600 | VoV = 0.001595 | [SYS][ GML = 0.008687 | AML = 1.952213 | MoV = 0.002503 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.503444254398346
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.90 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.4760 | LCC = 0.6359 | SRCC = 0.6026 | [SYS][ MSE = 0.0454 | LCC = 0.9818 | SRCC = 0.9535 ]
[Valid(teacher)][57][UTT][ GML = 0.283906 | AML = 0.466599 | MoV = 0.226931 | VoV = 0.001610 | [SYS][ GML = 0.003196 | AML = 2.156946 | MoV = 0.002493 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.14 step/s]
Average loss=-0.5185322165489197
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.76 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.4701 | LCC = 0.6350 | SRCC = 0.6020 | [SYS][ MSE = 0.0385 | LCC = 0.9821 | SRCC = 0.9535 ]
[Valid(teacher)][58][UTT][ GML = 0.285709 | AML = 0.469964 | MoV = 0.224206 | VoV = 0.001551 | [SYS][ GML = 0.012100 | AML = 1.923605 | MoV = 0.002463 | VoV = 0.000003 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.5290970206260681
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.94 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4649 | LCC = 0.6357 | SRCC = 0.6030 | [SYS][ MSE = 0.0323 | LCC = 0.9817 | SRCC = 0.9556 ]
[Valid(teacher)][59][UTT][ GML = 0.287589 | AML = 0.473807 | MoV = 0.221181 | VoV = 0.001395 | [SYS][ GML = 0.025998 | AML = 2.575553 | MoV = 0.002423 | VoV = 0.000002 ]
Train: 100% 845/845 [03:24<00:00, 4.13 step/s]
Average loss=-0.5464711785316467
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.33 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4687 | LCC = 0.6341 | SRCC = 0.6012 | [SYS][ MSE = 0.0352 | LCC = 0.9818 | SRCC = 0.9549 ]
[Valid(teacher)][60][UTT][ GML = 0.283822 | AML = 0.471459 | MoV = 0.220792 | VoV = 0.001491 | [SYS][ GML = 0.018688 | AML = 1.942617 | MoV = 0.002424 | VoV = 0.000002 ]
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 [00:20<00:00, 197.56 step/s]

[Test(best)][61][UTT][ MSE = 0.4960 | LCC = 0.6757 | SRCC = 0.6410 | [SYS][ MSE = 0.0834 | LCC = 0.9909 | SRCC = 0.9679 ]
[Test(best)][61][UTT][ GML = 0.311845 | AML = 0.453913 | MoV = 0.289372 | VoV = 0.001800 | [SYS][ GML = 0.000000 | AML = 0.031812 | MoV = 0.002317 | VoV = 0.000002 ]
Test(last): 100% 4000/4000 [00:19<00:00, 201.58 step/s]

[Test(last)][61][UTT][ MSE = 0.4580 | LCC = 0.6499 | SRCC = 0.6148 | [SYS][ MSE = 0.0300 | LCC = 0.9866 | SRCC = 0.9378 ]
[Test(last)][61][UTT][ GML = 0.293649 | AML = 0.479574 | MoV = 0.221650 | VoV = 0.001530 | [SYS][ GML = 0.010156 | AML = 1.872470 | MoV = 0.001769 | VoV = 0.000001 ]
(lxygpu) [x_xliangnode034 PromOSNet]$ client_loop: send disconnect: Broken pipe
lxy@Hope-Liang-NBA PromOSNet %
```