

```
xgboost [x_xliangnode006 ProMOSNet]$ python train.py --lamb_c=1 --lamb_t=0.5 --save_path "runs/c1-t5e-1/run5"
```

```
Loading all wav files.
```

```
100% |██████████████████████████████████████████████████████████████████████████| 54040/54040 [07:40:00:00, 117.45it/s]
```

```
/proj/jhorse_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'][ii] = self.idtable[judge_i]  
Loading all wav files.  
100% |██████████████████████████████████████████████████████████████████████████| 3000/3000 [01:43:00:00, 29.04it/s]
```

```
/proj/jhorse_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'][ii] = self.idtable[judge_i]  
Loading all wav files.  
100% |██████████████████████████████████████████████████████████████████████████| 4000/4000 [02:18:00:00, 28.86it/s]
```

```
/proj/jhorse_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'][ii] = self.idtable[judge_i]  
Train: 100% 845/845 [03:25:00:00, 4.11 step/s]  
Average loss=0.17817421875  
Valid(teacher): 100% 3000/3000 [00:15:00:00, 189.98 step/s]
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```
[Valid(teacher)][0][UTT] MSE = 0.9256 | LCC = 0.4644 | SRCC = 0.4485 | [SYS][ MSE = 0.6445 | LCC = 0.7776 | SRCC = 0.8373 ]  
[Valid(teacher)][0][UTL] GML = 0.253512 | AML = 0.286358 | MoV = 0.996592 | VoV = 0.012650 | [SYS][ GML = 0.000000 | AML = 0.282771 | MoV = 0.011416 | VoV = 0.000082 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.6296217441558838  
Valid(teacher): 100% 3000/3000 [00:15:00:00, 199.53 step/s]
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```
[Valid(teacher)][1][UTT] MSE = 1.4078 | LCC = 0.5666 | SRCC = 0.5336 | [SYS][ MSE = 1.1086 | LCC = 0.9046 | SRCC = 0.8667 ]  
[Valid(teacher)][1][UTL] GML = 0.130258 | AML = 0.260879 | MoV = 0.491193 | VoV = 0.009566 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005889 | VoV = 0.000030 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.520560085773468  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 200.30 step/s]
```

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[Valid(teacher)][2][UTT] MSE = 2.1317 | LCC = 0.5829 | SRCC = 0.5470 | [SYS][ MSE = 1.8304 | LCC = 0.9299 | SRCC = 0.8817 ]  
[Valid(teacher)][2][UTL] GML = 0.030932 | AML = 0.173224 | MoV = 0.378500 | VoV = 0.009695 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004619 | VoV = 0.000021 ]  
Train: 100% 845/845 [03:22:00:00, 4.18 step/s]  
Average loss=0.47025609016418457  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 202.95 step/s]
```

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[Valid(teacher)][3][UTT] MSE = 1.6386 | LCC = 0.5930 | SRCC = 0.5572 | [SYS][ MSE = 1.3089 | LCC = 0.9406 | SRCC = 0.8892 ]  
[Valid(teacher)][3][UTL] GML = 0.066715 | AML = 0.227571 | MoV = 0.387493 | VoV = 0.009536 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004694 | VoV = 0.000021 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.4338313937187195  
Valid(teacher): 100% 3000/3000 [00:15:00:00, 197.80 step/s]
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[Valid(teacher)][4][UTT] MSE = 1.1256 | LCC = 0.5972 | SRCC = 0.5692 | [SYS][ MSE = 0.7615 | LCC = 0.9463 | SRCC = 0.8968 ]  
[Valid(teacher)][4][UTL] GML = 0.149346 | AML = 0.299165 | MoV = 0.412281 | VoV = 0.008388 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.004914 | VoV = 0.000020 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.4115324318408966  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 202.95 step/s]
```

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[Valid(teacher)][5][UTT] MSE = 0.9602 | LCC = 0.6043 | SRCC = 0.5752 | [SYS][ MSE = 0.5856 | LCC = 0.9472 | SRCC = 0.8968 ]  
[Valid(teacher)][5][UTL] GML = 0.191070 | AML = 0.323959 | MoV = 0.430595 | VoV = 0.007528 | [SYS][ GML = 0.000000 | AML = 0.000000 | MoV = 0.005075 | VoV = 0.000019 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.38521474599838257  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 202.83 step/s]
```

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[Valid(teacher)][6][UTT] MSE = 0.8034 | LCC = 0.6154 | SRCC = 0.5848 | [SYS][ MSE = 0.4226 | LCC = 0.9499 | SRCC = 0.8995 ]  
[Valid(teacher)][6][UTL] GML = 0.235586 | AML = 0.349782 | MoV = 0.441752 | VoV = 0.006491 | [SYS][ GML = 0.000000 | AML = 0.000015 | MoV = 0.005153 | VoV = 0.000018 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.36481791734695435  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 200.08 step/s]
```

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[Valid(teacher)][7][UTT] MSE = 0.7276 | LCC = 0.6214 | SRCC = 0.5890 | [SYS][ MSE = 0.3388 | LCC = 0.9516 | SRCC = 0.9015 ]  
[Valid(teacher)][7][UTL] GML = 0.258368 | AML = 0.363258 | MoV = 0.442536 | VoV = 0.005613 | [SYS][ GML = 0.000000 | AML = 0.000985 | MoV = 0.005127 | VoV = 0.000017 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.3434729278087616  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 203.87 step/s]
```

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[Valid(teacher)][8][UTT] MSE = 0.6702 | LCC = 0.6244 | SRCC = 0.5894 | [SYS][ MSE = 0.2700 | LCC = 0.9533 | SRCC = 0.8954 ]  
[Valid(teacher)][8][UTL] GML = 0.275644 | AML = 0.375015 | MoV = 0.439909 | VoV = 0.005196 | [SYS][ GML = 0.000000 | AML = 0.010362 | MoV = 0.005072 | VoV = 0.000016 ]  
Train: 100% 845/845 [03:22:00:00, 4.17 step/s]  
Average loss=0.32724830508232117  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 203.73 step/s]
```

```
[Valid(teacher)][9][UTT] MSE = 0.6121 | LCC = 0.6307 | SRCC = 0.5931 | [SYS][ MSE = 0.2047 | LCC = 0.9573 | SRCC = 0.8981 ]  
[Valid(teacher)][9][UTL] GML = 0.295578 | AML = 0.387114 | MoV = 0.438420 | VoV = 0.004489 | [SYS][ GML = 0.000000 | AML = 0.071577 | MoV = 0.005023 | VoV = 0.000014 ]  
Train: 100% 845/845 [03:22:00:00, 4.18 step/s]  
Average loss=0.3067467212677002  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 200.75 step/s]
```

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[Valid(teacher)][10][UTT] MSE = 0.5380 | LCC = 0.6378 | SRCC = 0.5978 | [SYS][ MSE = 0.1223 | LCC = 0.9607 | SRCC = 0.9063 ]  
[Valid(teacher)][10][UTL] GML = 0.323234 | AML = 0.403220 | MoV = 0.437874 | VoV = 0.003704 | [SYS][ GML = 0.000014 | AML = 0.938957 | MoV = 0.004971 | VoV = 0.000013 ]  
Train: 100% 845/845 [03:23:00:00, 4.16 step/s]  
Average loss=0.2909739017486572  
Valid(teacher): 100% 3000/3000 [00:14:00:00, 201.57 step/s]
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[Valid(teacher)][11][UTT] MSE = 0.4996 | LCC = 0.6421 |
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Average loss=0.1409648060798645
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.22 step/s]

[Valid(teacher)][20][UTT][MSE = 0.4867 | LCC = 0.6513 | SRCC = 0.6077 | [SYS][MSE = 0.0680 | LCC = 0.9739 | SRCC = 0.9125]
[Valid(teacher)][20][UTT][GML = 0.336878 | AML = 0.432925 | MoV = 0.359810 | VoV = 0.002176 | [SYS][GML = 0.001109 | AML = 1.144757 | MoV = 0.004054 | VoV = 0.000008]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=0.11938995867967606
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.58 step/s]

[Valid(teacher)][21][UTT][MSE = 0.4966 | LCC = 0.6508 | SRCC = 0.6073 | [SYS][MSE = 0.0772 | LCC = 0.9741 | SRCC = 0.9152]
[Valid(teacher)][21][UTT][GML = 0.330100 | AML = 0.432830 | MoV = 0.351783 | VoV = 0.002130 | [SYS][GML = 0.000220 | AML = 1.311367 | MoV = 0.003968 | VoV = 0.000008]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.10899927467107773
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.21 step/s]

[Valid(teacher)][22][UTT][MSE = 0.4856 | LCC = 0.6513 | SRCC = 0.6078 | [SYS][MSE = 0.0621 | LCC = 0.9746 | SRCC = 0.9152]
[Valid(teacher)][22][UTT][GML = 0.334862 | AML = 0.436923 | MoV = 0.347606 | VoV = 0.001938 | [SYS][GML = 0.001541 | AML = 1.102962 | MoV = 0.003913 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=0.08953248709440231
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.88 step/s]

[Valid(teacher)][23][UTT][MSE = 0.4855 | LCC = 0.6503 | SRCC = 0.6074 | [SYS][MSE = 0.0560 | LCC = 0.9759 | SRCC = 0.9186]
[Valid(teacher)][23][UTT][GML = 0.333444 | AML = 0.439159 | MoV = 0.340894 | VoV = 0.001903 | [SYS][GML = 0.002887 | AML = 0.994397 | MoV = 0.003835 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.14 step/s]
Average loss=0.07204153388738632
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.90 step/s]

[Valid(teacher)][24][UTT][MSE = 0.4818 | LCC = 0.6480 | SRCC = 0.6060 | [SYS][MSE = 0.0498 | LCC = 0.9763 | SRCC = 0.9248]
[Valid(teacher)][24][UTT][GML = 0.334297 | AML = 0.441797 | MoV = 0.334034 | VoV = 0.001732 | [SYS][GML = 0.007530 | AML = 0.914620 | MoV = 0.003757 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=0.05612688139081001
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.15 step/s]

[Valid(teacher)][25][UTT][MSE = 0.4875 | LCC = 0.6482 | SRCC = 0.6068 | [SYS][MSE = 0.0570 | LCC = 0.9772 | SRCC = 0.9234]
[Valid(teacher)][25][UTT][GML = 0.329869 | AML = 0.441744 | MoV = 0.328621 | VoV = 0.001735 | [SYS][GML = 0.002395 | AML = 1.176633 | MoV = 0.003705 | VoV = 0.000007]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.031804364174604416
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.00 step/s]

[Valid(teacher)][26][UTT][MSE = 0.4996 | LCC = 0.6506 | SRCC = 0.6093 | [SYS][MSE = 0.0738 | LCC = 0.9791 | SRCC = 0.9364]
[Valid(teacher)][26][UTT][GML = 0.321845 | AML = 0.440481 | MoV = 0.321112 | VoV = 0.001584 | [SYS][GML = 0.000154 | AML = 1.248621 | MoV = 0.003619 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=0.020267149433493614
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.81 step/s]

[Valid(teacher)][27][UTT][MSE = 0.4952 | LCC = 0.6514 | SRCC = 0.6100 | [SYS][MSE = 0.0690 | LCC = 0.9800 | SRCC = 0.9364]
[Valid(teacher)][27][UTT][GML = 0.323112 | AML = 0.442484 | MoV = 0.317466 | VoV = 0.001549 | [SYS][GML = 0.000276 | AML = 1.236316 | MoV = 0.003577 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=0.004872766323387623
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.97 step/s]

[Valid(teacher)][28][UTT][MSE = 0.5240 | LCC = 0.6520 | SRCC = 0.6111 | [SYS][MSE = 0.0979 | LCC = 0.9813 | SRCC = 0.9453]
[Valid(teacher)][28][UTT][GML = 0.305402 | AML = 0.437193 | MoV = 0.310267 | VoV = 0.001675 | [SYS][GML = 0.000001 | AML = 0.345482 | MoV = 0.003505 | VoV = 0.000006]
Train: 100% 845/845 [03:22<00:00, 4.16 step/s]
Average loss=-0.013987344689667225
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.35 step/s]

[Valid(teacher)][29][UTT][MSE = 0.5627 | LCC = 0.6511 | SRCC = 0.6113 | [SYS][MSE = 0.1396 | LCC = 0.9811 | SRCC = 0.9453]
[Valid(teacher)][29][UTT][GML = 0.283918 | AML = 0.428440 | MoV = 0.304518 | VoV = 0.001747 | [SYS][GML = 0.000000 | AML = 0.034963 | MoV = 0.003449 | VoV = 0.000006]
Train: 100% 845/845 [03:22<00:00, 4.16 step/s]
Average loss=-0.0265557374800521202
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.88 step/s]

[Valid(teacher)][30][UTT][MSE = 0.5335 | LCC = 0.6510 | SRCC = 0.6105 | [SYS][MSE = 0.1068 | LCC = 0.9807 | SRCC = 0.9460]
[Valid(teacher)][30][UTT][GML = 0.298261 | AML = 0.436420 | MoV = 0.302731 | VoV = 0.001604 | [SYS][GML = 0.000000 | AML = 0.265702 | MoV = 0.003413 | VoV = 0.000006]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.03990672156214714
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.69 step/s]

[Valid(teacher)][31][UTT][MSE = 0.5250 | LCC = 0.6511 | SRCC = 0.6107 | [SYS][MSE = 0.0955 | LCC = 0.9812 | SRCC = 0.9432]
[Valid(teacher)][31][UTT][GML = 0.300104 | AML = 0.440369 | MoV = 0.297360 | VoV = 0.001607 | [SYS][GML = 0.000001 | AML = 0.412349 | MoV = 0.003350 | VoV = 0.000005]
Train: 100% 845/845 [03:22<00:00, 4.17 step/s]
Average loss=-0.05181329324841499
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.88 step/s]

[Valid(teacher)][32][UTT][MSE = 0.5417 | LCC = 0.6493 | SRCC = 0.6088 | [SYS][MSE = 0.1100 | LCC = 0.9815 | SRCC = 0.9432]
[Valid(teacher)][32][UTT][GML = 0.288812 | AML = 0.437613 | MoV = 0.292325 | VoV = 0.001700 | [SYS][GML = 0.000000 | AML = 0.139799 | MoV = 0.003302 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.0677623227386551
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.53 step/s]

[Valid(teacher)][33][UTT][MSE = 0.5442 | LCC = 0.6499 | SRCC = 0.6102 | [SYS][MSE = 0.1158 | LCC = 0.9814 | SRCC = 0.9480]
[Valid(teacher)][33][UTT][GML = 0.286341 | AML = 0.437726 | MoV = 0.288883 | VoV = 0.001585 | [SYS][GML = 0.000000 | AML = 0.111119 | MoV = 0.003263 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.00413542062044144
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.67 step/s]

[Valid(teacher)][34][UTT][MSE = 0.5572 | LCC = 0.6495 | SRCC = 0.6087 | [SYS][MSE = 0.1279 | LCC = 0.9823 | SRCC = 0.9501]
[Valid(teacher)][34][UTT][GML = 0.278086 | AML = 0.435029 | MoV = 0.285753 | VoV = 0.001613 | [SYS][GML = 0.000000 | AML = 0.052154 | MoV = 0.003228 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.09873756766319275
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.59 step/s]

[Valid(teacher)][35][UTT][MSE = 0.5634 | LCC = 0.6488 | SRCC = 0.6082 | [SYS][MSE = 0.1362 | LCC = 0.9826 | SRCC = 0.9501]
[Valid(teacher)][35][UTT][GML = 0.273199 | AML = 0.434188 | MoV = 0.280936 | VoV = 0.001446 | [SYS][GML = 0.000000 | AML = 0.030576 | MoV = 0.003176 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.10828375816345215
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.75 step/s]

[Valid(teacher)][36][UTT][MSE = 0.5418 | LCC = 0.6418 | SRCC = 0.6071 | [SYS][MSE = 0.1118 | LCC = 0.9828 | SRCC = 0.9494]
[Valid(teacher)][36][UTT][GML = 0.284117 | AML = 0.439947 | MoV = 0.280822 | VoV = 0.001412 | [SYS][GML = 0.000000 | AML = 0.123371 | MoV = 0.003169 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.11529476940631866
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.26 step/s]

[Valid(teacher)][37][UTT][MSE = 0.5392 | LCC = 0.6476 | SRCC = 0.6063 | [SYS][MSE = 0.1090 | LCC = 0.9822 | SRCC = 0.9501]
[Valid(teacher)][37][UTT][GML = 0.285276 | AML = 0.441139 | MoV = 0.280320 | VoV = 0.001428 | [SYS][GML = 0.000000 | AML = 0.133659 | MoV = 0.003163 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.1223011463800539
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.56 step/s]

[Valid(teacher)][38][UTT][MSE = 0.5161 | LCC = 0.6502 | SRCC = 0.6080 | [SYS][MSE = 0.0859 | LCC = 0.9835 | SRCC = 0.9528]
[Valid(teacher)][38][UTT][GML = 0.297272 | AML = 0.447908 | MoV = 0.278700 | VoV = 0.001311 | [SYS][GML = 0.000003 | AML = 0.377109 | MoV = 0.003134 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.1331557184457779
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.61 step/s]

[Valid(teacher)][39][UTT][MSE = 0.5005 | LCC = 0.6516 | SRCC = 0.6094 | [SYS][MSE = 0.0719 | LCC = 0.9832 | SRCC = 0.9528]
[Valid(teacher)][39][UTT][GML = 0.304936 | AML = 0.452725 | MoV = 0.276677 | VoV = 0.001245 | [SYS][GML = 0.000043 | AML = 0.767603 | MoV = 0.003108 | VoV = 0.000005]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.1514710783958435
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.64 step/s]

[Valid(teacher)][40][UTT][MSE = 0.5029 | LCC = 0.6509 | SRCC = 0.6085 | [SYS][MSE = 0.0752 | LCC = 0.9829 | SRCC = 0.9528]
[Valid(teacher)][40][UTT][GML = 0.301523 | AML = 0.452986 | MoV = 0.271982 | VoV = 0.001173 | [SYS][GML = 0.000021 | AML = 0.757324 | MoV = 0.003056 | VoV = 0.000004]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.1667839139609936
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.36 step/s]

[Valid(teacher)][41][UTT][MSE = 0.5123 | LCC = 0.6502 | SRCC = 0.6075 | [SYS][MSE = 0.0843 | LCC = 0.9836 | SRCC = 0.9528]
[Valid(teacher)][41][UTT][GML = 0.294790 | AML = 0.451088 | MoV = 0.269352 | VoV = 0.001156 | [SYS][GML = 0.000003 | AML = 0.486992 | MoV = 0.003029 | VoV = 0.000004]
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.1758250594139099
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.20 step/s]

[Valid(teacher)][42][UTT][MSE = 0.5145 | LCC = 0.6491 | SRCC = 0.6073 | [SYS][MSE = 0.0834 | LCC = 0.9835 | SRCC = 0.9528]
[Valid(teacher)][42][UTT][GML = 0.291897 | AML = 0.451569 | MoV = 0.266456 | VoV = 0.001141 | [SYS][GML = 0.000003 | AML = 0.476698 | MoV = 0.002996 | VoV = 0.000004]
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.1876331865787506
Valid(teacher): 100% 3000/3000 [00:15<00:00, 197.58 step/s]

[Valid(teacher)][43][UTT][MSE = 0.5167 | LCC = 0.6500 | SRCC = 0.6083 | [SYS][MSE = 0.0862 | LCC = 0.9838 | SRCC = 0.9528]
[Valid(teacher)][43][UTT][GML = 0.289178 | AML = 0.451885 | MoV = 0.264203 | VoV = 0.001178 | [SYS][GML = 0.000002 | AML = 0.382336 | MoV = 0.002970 | VoV = 0.000004]

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Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.2016541212797165
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.67 step/s]

[Valid(teacher)][44][UTT][ MSE = 0.5029 | LCC = 0.6485 | SRCC = 0.6061 | [SYS][ MSE = 0.0714 | LCC = 0.9834 | SRCC = 0.9562 |
[Valid(teacher)][44][UTT][ GML = 0.295764 | AML = 0.456834 | MoV = 0.261320 | VoV = 0.001167 | [SYS][ GML = 0.000036 | AML = 0.797751 | MoV = 0.002935 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.20953460037708282
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.33 step/s]

[Valid(teacher)][45][UTT][ MSE = 0.5051 | LCC = 0.6474 | SRCC = 0.6047 | [SYS][ MSE = 0.0718 | LCC = 0.9835 | SRCC = 0.9556 |
[Valid(teacher)][45][UTT][ GML = 0.292694 | AML = 0.456941 | MoV = 0.257911 | VoV = 0.001107 | [SYS][ GML = 0.000027 | AML = 0.813002 | MoV = 0.002899 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.22091539204120636
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.19 step/s]

[Valid(teacher)][46][UTT][ MSE = 0.5056 | LCC = 0.6469 | SRCC = 0.6037 | [SYS][ MSE = 0.0743 | LCC = 0.9835 | SRCC = 0.9549 |
[Valid(teacher)][46][UTT][ GML = 0.292868 | AML = 0.456999 | MoV = 0.258420 | VoV = 0.001119 | [SYS][ GML = 0.000019 | AML = 0.763393 | MoV = 0.002901 | VoV = 0.000004 |
Train: 100% 845/845 [03:22<00:00, 4.16 step/s]
Average loss=-0.23013833165168762
Valid(teacher): 100% 3000/3000 [00:15<00:00, 196.58 step/s]

[Valid(teacher)][47][UTT][ MSE = 0.5112 | LCC = 0.6471 | SRCC = 0.6041 | [SYS][ MSE = 0.0806 | LCC = 0.9837 | SRCC = 0.9508 |
[Valid(teacher)][47][UTT][ GML = 0.288456 | AML = 0.455732 | MoV = 0.257071 | VoV = 0.001144 | [SYS][ GML = 0.000005 | AML = 0.676119 | MoV = 0.002892 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.24692504107952118
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.22 step/s]

[Valid(teacher)][48][UTT][ MSE = 0.4940 | LCC = 0.6472 | SRCC = 0.6035 | [SYS][ MSE = 0.0638 | LCC = 0.9838 | SRCC = 0.9521 |
[Valid(teacher)][48][UTT][ GML = 0.297993 | AML = 0.461205 | MoV = 0.255375 | VoV = 0.001083 | [SYS][ GML = 0.000176 | AML = 0.987657 | MoV = 0.002865 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.24745136499404907
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.42 step/s]

[Valid(teacher)][49][UTT][ MSE = 0.5022 | LCC = 0.6440 | SRCC = 0.6000 | [SYS][ MSE = 0.0705 | LCC = 0.9840 | SRCC = 0.9521 |
[Valid(teacher)][49][UTT][ GML = 0.292842 | AML = 0.458544 | MoV = 0.253979 | VoV = 0.001065 | [SYS][ GML = 0.000044 | AML = 0.852316 | MoV = 0.002847 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.2584865391254425
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.64 step/s]

[Valid(teacher)][50][UTT][ MSE = 0.5167 | LCC = 0.6428 | SRCC = 0.5990 | [SYS][ MSE = 0.0873 | LCC = 0.9852 | SRCC = 0.9610 |
[Valid(teacher)][50][UTT][ GML = 0.281664 | AML = 0.454664 | MoV = 0.250061 | VoV = 0.001062 | [SYS][ GML = 0.000001 | AML = 0.506341 | MoV = 0.002812 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.2708475589752197
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.22 step/s]

[Valid(teacher)][51][UTT][ MSE = 0.5008 | LCC = 0.6425 | SRCC = 0.5980 | [SYS][ MSE = 0.0711 | LCC = 0.9851 | SRCC = 0.9590 |
[Valid(teacher)][51][UTT][ GML = 0.289564 | AML = 0.459819 | MoV = 0.247237 | VoV = 0.000958 | [SYS][ GML = 0.000042 | AML = 0.745455 | MoV = 0.002772 | VoV = 0.000004 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.280291805137558
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.02 step/s]

[Valid(teacher)][52][UTT][ MSE = 0.5067 | LCC = 0.6414 | SRCC = 0.5969 | [SYS][ MSE = 0.0786 | LCC = 0.9852 | SRCC = 0.9610 |
[Valid(teacher)][52][UTT][ GML = 0.283763 | AML = 0.458883 | MoV = 0.243590 | VoV = 0.000924 | [SYS][ GML = 0.000009 | AML = 0.549894 | MoV = 0.002735 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.2898494303226471
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.26 step/s]

[Valid(teacher)][53][UTT][ MSE = 0.5017 | LCC = 0.6410 | SRCC = 0.5967 | [SYS][ MSE = 0.0741 | LCC = 0.9848 | SRCC = 0.9610 |
[Valid(teacher)][53][UTT][ GML = 0.285832 | AML = 0.460631 | MoV = 0.241622 | VoV = 0.000868 | [SYS][ GML = 0.000020 | AML = 0.628809 | MoV = 0.002712 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.3035602569580078
Valid(teacher): 100% 3000/3000 [00:14<00:00, 203.81 step/s]

[Valid(teacher)][54][UTT][ MSE = 0.4849 | LCC = 0.6406 | SRCC = 0.5947 | [SYS][ MSE = 0.0536 | LCC = 0.9847 | SRCC = 0.9610 |
[Valid(teacher)][54][UTT][ GML = 0.295273 | AML = 0.466413 | MoV = 0.240276 | VoV = 0.000855 | [SYS][ GML = 0.001301 | AML = 1.227939 | MoV = 0.002692 | VoV = 0.000003 |
Train: 100% 845/845 [00:14<00:00, 4.15 step/s]
Average loss=-0.3072014345359802
Valid(teacher): 100% 3000/3000 [00:15<00:00, 198.35 step/s]

[Valid(teacher)][55][UTT][ MSE = 0.4890 | LCC = 0.6412 | SRCC = 0.5952 | [SYS][ MSE = 0.0578 | LCC = 0.9855 | SRCC = 0.9624 |
[Valid(teacher)][55][UTT][ GML = 0.291453 | AML = 0.465983 | MoV = 0.239294 | VoV = 0.000872 | [SYS][ GML = 0.000538 | AML = 1.030858 | MoV = 0.002687 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.3163534998093738
Valid(teacher): 100% 3000/3000 [00:14<00:00, 202.20 step/s]

[Valid(teacher)][56][UTT][ MSE = 0.5037 | LCC = 0.6400 | SRCC = 0.5952 | [SYS][ MSE = 0.0739 | LCC = 0.9853 | SRCC = 0.9617 |
[Valid(teacher)][56][UTT][ GML = 0.279333 | AML = 0.461967 | MoV = 0.235592 | VoV = 0.000879 | [SYS][ GML = 0.000018 | AML = 0.608334 | MoV = 0.002653 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.32489967346191406
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.98 step/s]

[Valid(teacher)][57][UTT][ MSE = 0.4949 | LCC = 0.6367 | SRCC = 0.5919 | [SYS][ MSE = 0.0625 | LCC = 0.9845 | SRCC = 0.9597 |
[Valid(teacher)][57][UTT][ GML = 0.285442 | AML = 0.464358 | MoV = 0.235531 | VoV = 0.000800 | [SYS][ GML = 0.000246 | AML = 1.094413 | MoV = 0.002645 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.33493030071258545
Valid(teacher): 100% 3000/3000 [00:14<00:00, 200.75 step/s]

[Valid(teacher)][58][UTT][ MSE = 0.5008 | LCC = 0.6373 | SRCC = 0.5926 | [SYS][ MSE = 0.0692 | LCC = 0.9854 | SRCC = 0.9658 |
[Valid(teacher)][58][UTT][ GML = 0.280333 | AML = 0.462986 | MoV = 0.233497 | VoV = 0.000801 | [SYS][ GML = 0.000051 | AML = 0.890605 | MoV = 0.002622 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.16 step/s]
Average loss=-0.3416798710023059
Valid(teacher): 100% 3000/3000 [00:15<00:00, 199.70 step/s]

[Valid(teacher)][59][UTT][ MSE = 0.4964 | LCC = 0.6365 | SRCC = 0.5914 | [SYS][ MSE = 0.0629 | LCC = 0.9852 | SRCC = 0.9672 |
[Valid(teacher)][59][UTT][ GML = 0.282236 | AML = 0.464785 | MoV = 0.232439 | VoV = 0.000812 | [SYS][ GML = 0.000177 | AML = 1.020940 | MoV = 0.002608 | VoV = 0.000003 |
Train: 100% 845/845 [03:23<00:00, 4.15 step/s]
Average loss=-0.35137802362442017
Valid(teacher): 100% 3000/3000 [00:14<00:00, 201.28 step/s]

[Valid(teacher)][60][UTT][ MSE = 0.4950 | LCC = 0.6359 | SRCC = 0.5911 | [SYS][ MSE = 0.0635 | LCC = 0.9852 | SRCC = 0.9651 |
[Valid(teacher)][60][UTT][ GML = 0.282159 | AML = 0.465482 | MoV = 0.230720 | VoV = 0.000779 | [SYS][ GML = 0.000185 | AML = 1.114436 | MoV = 0.002585 | 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 [00:20<00:00, 196.93 step/s]

[Test(best)][61][UTT][ MSE = 0.5036 | LCC = 0.6688 | SRCC = 0.6344 | [SYS][ MSE = 0.0910 | LCC = 0.9814 | SRCC = 0.9521 |
[Test(best)][61][UTT][ GML = 0.314510 | AML = 0.445569 | MoV = 0.309601 | VoV = 0.001689 | [SYS][ GML = 0.000000 | AML = 0.174430 | MoV = 0.002557 | VoV = 0.000003 |
Test(last): 100% 4000/4000 [00:19<00:00, 200.80 step/s]

[Test(last)][61][UTT][ MSE = 0.4802 | LCC = 0.6523 | SRCC = 0.6156 | [SYS][ MSE = 0.0589 | LCC = 0.9850 | SRCC = 0.9720 |
[Test(last)][61][UTT][ GML = 0.290359 | AML = 0.471368 | MoV = 0.230578 | VoV = 0.000802 | [SYS][ GML = 0.000041 | AML = 1.614316 | MoV = 0.001892 | VoV = 0.000002 |
(lxygpu) [x_xliang@node006 ProMOSNet]$
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