python train.py --model\_dir=../models --save\_model\_name=flow\_prediction --data\_dir=../data --log\_dir=../logs --train\_epoch=2000 --batch\_size=144 --time\_step=12 --num\_layers=3 --hidden\_size=512 --output\_size=69 --cell=lstm --use\_residual=True --res\_weight=0.1 --learning\_rate=0.08 --use\_dropout=True --keep\_prob=0.9

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Layer | MAPE | MAP | RMSE | Train time |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Node | MAPE | MAP | RMSE | Train time |
| 128 |  |  |  |  |
| 256 |  |  |  |  |
| 512 |  |  |  |  |
| 768 |  |  |  |  |
| 1024 |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keep\_prob | MAPE | MAP | RMSE | Train time |
| 0.8 |  |  |  |  |
| 0.9 |  |  |  |  |
| N |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Res\_weight | MAPE | MAP | RMSE | Train time |
| 0.05 |  |  |  |  |
| 0.1 |  |  |  |  |
| 0.2 |  |  |  |  |
| 0.3 |  |  |  |  |
| 1 |  |  |  |  |
| N |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use peephole | MAPE | MAP | RMSE | Train time |
| N |  |  |  |  |
| Y |  |  |  |  |
|  |  |  |  |  |