注：作业中w的输出为了好看，做了reshape(12)

|  |  |  |  |
| --- | --- | --- | --- |
| train\_epochs | learning\_rate | Loss | 趋势 |
| 50 | 0.01 | 40.6080 | 平缓向下 |
| 100 | 0.01 | 40.3036 | 下降了0.3 |
| 50 | 0.02 | 38.6862 | 较优 |
| 100 | 0.02 | 38.2870 | 又下降了0.4 |
| 100 | 0.03 | 37.3909 | 比学习率0.02下降更快 |
| 100 | 0.04 | 37.3705 | 没有明显更优，向上次数增多 |
| 100 | 0.06 | 37.5823 | 比学习率0.03还弱，向上次数增多 |
| 200 | 0.03 | 37.2795 | 本次作业最优 |













