第七章全部算法使用的数据集均为movie-lens 100k

获得参数说明，使用python XXX.py --help

如python userCF\_rating.py –help

## 算法对应文件

|  |  |
| --- | --- |
| 算法名称 | 对应文件 |
| BPR | BPR.py |
| CPLR | CPLR.py |
| P-PushCR | P-PushCR.py |
| RankBoost | RankBoost.py |
| RankingSVM | RankingSVM.py |
| RankNet | RankNet.py |

## TopN推荐算法运行结果

|  |  |  |  |
| --- | --- | --- | --- |
| 算法名 | Precision | Recall | Coverage |
| BPR | 0.2244 | 0.1056 | 0.4067 |
| CPLR | 0.2898 | 0.1363 | 0.3591 |
| P-PushCR | 0.2844 | 0.1338 | 0.1219 |
| RankBoost | 0.0524 | 0.0246 | 0.4257 |
| RankingSVM | 0.2021 | 0.0951 | 0.4275 |
| RankNet | 0.2207 | 0.1038 | 0.4055 |