获得参数说明，使用python XXX.py --help

如python userCF\_rating.py --help

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| --- | --- | --- | --- |
| 算法名称 | 对应文件 | 数据集 | 运行结果 |
| 最近最热门推荐算法 | recentPopular.py | movie-lens 100k | precisioin=0.1567  recall=0.0489  coverage=0.0434 |
| 基于时间的项目协同过滤 | itemCF\_TopN\_Time.py | movie-lens 100k | precisioin=0.1700  recall=0.0530  coverage=0.0933 |
| 基于时间的用户协同过滤 | userCF\_TopN\_Time.py | movie-lens 100k | precisioin=0.1856  recall=0.0579  coverage=0.1546 |
| 基于会话的协同过滤 | itemCF\_session.py | movie-lens 100k | precisioin=0.08419936  recall=0.09178130  coverage=0.16111772 |
| 基于会话的扩散 | sessionSpreading.py | movie-lens 100k | precisioin=0.06511135  recall=0.07097445  coverage=0.05410226 |
| 基于统一转移矩阵的序列预测 | Markov.py | data/trans.txt | precisioin=0.2830  recall=0.6011  coverage=0.1178 |
| 基于个性化转移矩阵的序列预测 | FPMC.py | data/trans.txt | precisioin=0.2654  recall=0.5638  coverage=0.2407 |
| 基于循环神经网络的序列预测（RNN） | RNN.py | data/sample | Recall= 65.65656565656566  MMR= 41.3641641582818 |
| 基于循环神经网络的序列预测（LSTM） | RNN.py | data/sample | Recall= 69.6969696969697  MMR= 50.16093412378242 |
| 基于循环神经网络的序列预测（GRU） | RNN.py | data/sample | Recall= 61.61616161616161  MMR= 34.969667389453484 |
| 基于空间信息的推荐：预过滤 | LBSpre.py | data/poidata/Foursquare/mydata.txt | precisioin=0.0082  recall=0.0431  coverage=0.8095 |
| 基于空间信息的推荐：后过滤 | LBSpost.py | data/poidata/Foursquare/mydata.txt | precisioin=0.0074  recall=0.0388  coverage=0.8071 |
| 基于空间信息的推荐：情景化建模 | LBSmodel.py | data/poidata/Foursquare/mydata.txt | precisioin=0.0082  recall=0.0431  coverage=0.8048 |