

Homework1.3: IR Evaluation

实现以下指标评价，并对HW1.2检索结果进行评价

- Mean Average Precision (MAP)
- Mean Reciprocal Rank (MRR)
- Normalized Discounted Cumulative Gain (NDCG)

Deadline: 2019.11.8 晚10点

名称	修改日期	类型	大小
 evaluation.py	2018/11/7 20:24	PY 文件	4 KB
 process.py	2019/10/7 20:31	PY 文件	2 KB
 qrels.txt	2018/11/7 13:39	文本文档	264 KB
 readme.txt	2018/11/7 21:36	文本文档	1 KB
 result.txt	2018/11/7 18:39	文本文档	219 KB

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← → ↺ 🏠 🔒 <https://trec.nist.gov/data/microblog/2014/qrels2014.txt>

```
171 Q0 298900309357790400 0
171 Q0 307127843299672065 0
171 Q0 298458573476855809 0
171 Q0 300346471650312194 0
171 Q0 300009048252747776 0
171 Q0 307360182604820481 2
171 Q0 307575501373992961 2
171 Q0 307585630601371648 2
171 Q0 307592941277433856 2
171 Q0 307462808801513472 2
171 Q0 307581469876944897 2
171 Q0 307380759835062272 2
171 Q0 307296328499724288 2
171 Q0 307390255743528960 2
171 Q0 307431003394281472 2
171 Q0 297987456635117569 0
171 Q0 307496547812270080 2
```

← → ↺ 🏠 🔒 安全 <https://trec.nist.gov/data/microblog/2014/topics.desc.MB171-225.txt>

```
<top>
<num> Number: MB171 </num>
<query> Ron Weasley birthday </query>
<querytime> Sat Mar 02 10:43:45 EST 2013 </querytime>
<querytweettime> 307878904759201794 </querytweettime>
<querydescription>
Find tweets regarding the birthday of fictional character Ron Weasley, Harry Potter's sidekick.
</querydescription>
</top>
```

```
<top>
<num> Number: MB172 </num>
<query> Merging of US Air and American </query>
<querytime> Sun Feb 17 16:14:40 EST 2013 </querytime>
<querytweettime> 303251140382973952 </querytweettime>
<querydescription>
Find information on the merger of US Airways and American airlines.
</querydescription>
</top>
```



<https://trec.nist.gov/data/microblog/2014/qrels2014.txt>

```
tweets.txt
1 {"userName": "Mariah Peoples", "clusterNo": 82, "text": "House
may kill Arizona-style immigration bill, Rep. Rick Rand says:
The House is unlikely to pass the \"Ari...
http://tinyurl.com/4irjcdz\", \"timeStr\": \"Sun Jan 23 00:02:37
+0000 2011\", \"tweetId\": \"28965792812892160\", \"errorCode\": \"200\",
\"textCleaned\": \"\", \"relevance\": 2}
2 {"userName": "servando", "clusterNo": 35, "text": "Mourners
recall Sarge Shriver's charity, idealism \\n (AP): AP - R.
Sargent Shriver was always an optimist, pio...
http://bit.ly/gqMcdG\", \"timeStr\": \"Sun Jan 23 00:07:48 +0000
2011\", \"tweetId\": \"28967095878287360\", \"errorCode\": \"200\",
\"textCleaned\": \"\", \"relevance\": 1}
3 {"userName": "Heide Eversoll\", \"clusterNo\": 60, \"text\": \"Bass
Fishing Techniques: 2 Fantastic Tips To Improve Your Casting
Skills\", \"timeStr\": \"Sun Jan 23 00:10:05 +0000 2011\", \"tweetId\":
\"28967672074993664\", \"errorCode\": \"200\", \"textCleaned\": \"\",
\"relevance\": 2}
```