

## **About Treceval**

TRECEVAL is a program to evaluate the TREC results. The output of your search engine (results.txt) is the input to TRECEVAL, where it is compared with the judged query results provided in the qrels file (qrel.txt).

## **How to run treceval**

You can run treceval on your command line using the following syntax.

treceval [-q] [-a] <qrel file> <result file>

-q : In addition to summary evaluation, give evaluation for each query

-a : Print all evaluation measures calculated

## **qrel format**

Query no -            Document no            -

The columns with - are not used in the evaluation. Note that the queries in qrel files have to be in ascending order with respect to query number. The sample format of qrel document is as follows.

```
265 0 FR940617-2-00222 0
265 0 FR940617-2-00223 0
265 0 FR940617-2-00224 0
265 0 FR940617-2-00225 0
265 0 FR940617-2-00226 0
265 0 FR940617-2-00227 0
270 0 FR940104-0-00031 0
270 0 FR940104-0-00032 0
270 0 FR940104-0-00033 0
```

## **Result Format**

Query no -            Document            similarity\_Rank            similarity\_score            Comment

Note that the results also have to be in ascending order with respect to query id. Also, note that the delimiter in this file is white spaces and not "\t". The format has to be strictly followed for treceval to work. The sample for the results format is as follows.

```
270 0 FR940104-0-00034 1 5538.296 TfIdf
270 0 FR940104-0-00033 2 4341.0884 TfIdf
270 0 FR940104-0-00032 3 3016.481 TfIdf
270 0 FR940104-0-00031 4 745.018 TfIdf
270 0 FR940104-0-00035 5 496.8188 TfIdf
270 0 FR940128-2-00143 6 322.24136 TfIdf
270 0 FR940104-0-00036 7 300.42047 TfIdf
270 0 FR941006-1-00122 8 246.12225 TfIdf
270 0 FR940104-2-00036 9 243.83513 TfIdf
```