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CLEF-IP 2009 Evaluation Summary

Florina Piroi, Giovanna Roda, Veronika Zenz

ABSTRACT: This document presents a summary of the evaluation activities that were carried out for CLEF-IP 2009 track. The data from the 70 submitted runs was preprocessed and grouped into bundles according to experiment size and task. For each experiment we computed 10 standard IR measures ranging from precision and recall to nDCG. Measurements for two relevance thresholds were computed using SOIRE.

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Abstract

This document presents a summary of the evaluation activities that were carried out for CLEF-IP 2009 track. The data from the 70 submitted runs was preprocessed and grouped into bundles according to experiment size and task. For each experiment we computed 10 standard IR measures ranging from precision and recall to nDCG. Measurements for two relevance thresholds were computed using SOIRE.

1 Evaluation activities at CLEF-IP 2009

A total of 14 teams corresponding to 15 different participating institutions submitted a total of 70 experiments adding up to 12 GB of uncompressed data. After some minor corrections of data formats, we created experiment bundles based on size and task. For each experiment we computed 10 standard IR measures

- Precision, Precision@5, Precision@10, Precision@100
- Recall, Recall@5, Recall@10, Recall@100
- MAP
- nDCG (with reduction factor given by a logarithm in base 10)

All computations were done with SOIRE[1], a software for IR evaluation based on a service-oriented architecture. All results were double-checked against trec_eval[2], the standard program for evaluation used in the TREC evaluation campaign, except for nDCG for which no publicly available implementation exists at the time of this writing. The third part of the evaluation activities, consisting in statistical testing, will be presented in a later report.

Section 2 provides lists of all submitted runs and of resulting bundles. In Section 3 tables with all computed measures per bundle are provided.

2 Preprocessing of data

A total of 70 experiments from 14 different teams and 15 participating institutions (the University of Tampere and SICS joined forces) was submitted to CLEF-IP 2009. Table 1 shows the list of active participants and submitted runs.

Experiments ranged over all proposed tasks (one main task and three language tasks) and over three (S, M, XL) of the proposed task sizes.

We created three evaluation bundles corresponding to the different experiment sizes:

- evaluation bundle S (500 topics)
- evaluation bundle M (1000 topics)
- evaluation bundle XL (10000 topics)

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[1] http://soire.matrixware.com
[2] http://trec.nist.gov/trec_eval

Table 1: List of active participants and runs submitted

ID	Institution		Tasks	Sizes	Runs
TUD	Tech. Univ. Darmstadt, Dept. of CS, Ubiquitous Knowledge Processing Lab	DE	Main, EN, DE, FR	S(4), M(4), L(4), XL(4)	16
UniNE	Univ. Neuchatel - Computer Science	CH	Main	S(7), XL(1)	8
uscom	Santiago de Compostela Univ. - Dept. Electronica y Computacion	ES	Main	S(8)	8
UTASICS	University of Tampere - Info Studies & Interactive Media and Swedish Institute of Computer Science	FI SE	Main	XL(8)	8
clefip-ug	Glasgow Univ. - IR Group Keith	UK	Main	M(4), XL(1)	5
clefip-unige	Geneva Univ. - Centre Universitaire d'Informatique	CH	Main	XL(5)	5
cwi	Centrum Wiskunde & Informatica - Interactive Information Access	NL	Main	M(1), XL(4)	4
hcuge	Geneva Univ. Hospitals - Service of Medical Informatics	CH	Main, EN, DE, FR	M(3), XL(1)	4
humb	Humboldt Univ. - Dept. of German Language and Linguistics	DE	Main, EN, DE, FR	XL(4)	4
clefip-dcu	Dublin City Univ. - School of Computing	IR	Main	XL(3)	3
clefip-run	Radboud Univ. Nijmegen - Centre for Language Studies & Speech Technologies	NL	Main, EN	S(2)	2
Hildesheim	Hildesheim Univ. - Information Systems & Machine Learning Lab	DE	Main	S(1)	1
NLEL	Technical Univ. Valencia - Natural Langugage Engineering	ES	Main	S(1)	1
UAIC	AI. I. Cuza University of Iasi - Natural Language Processing	RO	EN	S(1)	1

From all runs of size M we extracted the topics belonging to the S topics set and generated new files that were added to the S evaluation bundle. Similarly, from all runs of size XL we extracted the topics belonging to the S and to the M topics sets. In this way, any experiment of size M was evaluated within the M as well as within the S evaluation bundles. Any XL experiment was evaluated within the XL, M, and S bundles.

So, for instance from `UTASICS_abs-des-ratf_Main_XL` we extracted two additional file

- `UTASICS_abs-des-ratf_Main_M` and

- `UTASICS_abs-des-ratf_Main_S`

to be added respectively to the M and S evaluation bundles.

Our relevance assessments file contains relevant documents for each of the topics and provides two levels of relevancy: 1 (relevant) and 2 (highly relevant). Based on the relevance assessments available to us (patent citations) we assigned relevance level 1 to:

- all citations for which we knew that they were coming from an application procedure; as opposed to citations coming from a search report of an examination procedure, citations provided by applicants tend to be verbose and not highly relevant

- all citations for which an "A" label was provided; these are citations coming from search reports - the "A" label indicates that the citation is not relevant to novelty or inventiveness.

We assigned a value of 2 (highly relevant) to all other citations. It may occur that the same citation is present in multiple sources, for instance a citation from an applicant can also be present in a search report. In such cases, only the highest relevant citation was included in our relevance assessments file.

Note that assigning 1 or 2 values was an arbitrary choice based on our current know-how on patent citations and might be subject to change in future CLEF-IP tracks.

Having two levels of relevance, we were able to perform all evaluations with two different thresholds

- threshold 1: all documents in the relevance assessments file are considered
- threshold 2: only highly relevant in the relevance assessments file are considered

The 2 thresholds yield a total of 6 evaluation bundles per task or subtask for a grand total of 24 bundles. The rest of this section contains listings of run files grouped by topic set sizes.

Table 2: All files in the S bundle

Run	Size
clefip-dcu_baseline_Main_S	18390997
clefip-dcu_Filtered2_Main_S	18291556
clefip-dcu_Filtered_Main_S	18291991
clefip-run_ClaimsBOW_EN_S	1690339
clefip-run_ClaimsBOW_Main_S	1690339
clefip-ug_bm25medstandard_Main_S	17700615
clefip-ug_infdocfreqBM25EnglishTerms_Main_S	17754399
clefip-ug_infdocfreqBM25FrenchTermsNew_Main_S	17758738
clefip-ug_infdocfreqBM25GermanTerms_Main_S	17745384
clefip-ug_infdocfreqCosEnglishTerms_Main_S	15406638
clefip-unige_RUN1_Main_S	15391500
clefip-unige_RUN2_Main_S	15391500
clefip-unige_RUN3_Main_S	15391500
clefip-unige_RUN4_Main_S	15391500
clefip-unige_RUN5_Main_S	15391500
cwi_bm25_Main_S	21499957
cwi_boolean_Main_S	6372213
cwi_categorybm25_Main_S	16842435
cwi_category_Main_S	20432181
hcuge_BiTeM_DE_S	11809839
hcuge_BiTeM_EN_S	12568494
hcuge_BiTeM_FR_S	11837837
hcuge_BiTeM_Main_S	12893939
Hildesheim_MethodAnew_Main_S	12170578
humb_1_DE_S	9371794
humb_1_EN_S	9354864
humb_1_FR_S	9344532
humb_1_Main_S	9342129
NLEL_MethodA_Main_S	15945410
TUD_800noTitle_DE_S	23178303
TUD_800noTitle_EN_S	23228840
TUD_800noTitle_FR_S	23140912
TUD_800noTitle_Main_S	23174835
UAIC_MethodAnew_EN_S	15629808
UAIC_MethodAnew_Main_S	15629808
UniNE_strat1_Main_S	16365723
UniNE_strat2_Main_S	18342649
UniNE_strat3_Main_S	14028294
UniNE_strat4_Main_S	15064104
UniNE_strat5_Main_S	18362752
UniNE_strat6_Main_S	15347259
UniNE_strat7_Main_S	16750821
UniNE_strat8_Main_S	18448688
uscom_BM25at_Main_S	15231728
uscom_BM25a_Main_S	15151071
uscom_BM25bt_Main_S	14530669
uscom_BM25b_Main_S	14475517
Run	**Size**
Continued on next page	

Table 2: All files in the S bundle, continued

Run	Size
uscom_BM25ct_Main_S	14511009
uscom_BM25c_Main_S	14412947
uscom_BM25dt_Main_S	14491202
uscom_BM25d_Main_S	14404125
UTASICS_abs-des-ratf-GT_Main_S	23367072
UTASICS_abs-des-ratf_Main_S	23360925
UTASICS_abs-tit-cla-ratf-GT-ipcr_Main_S	23355725
UTASICS_abs-tit-cla-ratf-ipcr_Main_S	23356006
UTASICS_all-ratf-GT-ipcr_Main_S	23362643
UTASICS_all-ratf-ipcr_Main_S	23360733
UTASICS_all-tf-idf-GT-ipcr_Main_S	23376810
UTASICS_all-tf-idf-ipcr_Main_S	23370838
Run	**Size**

Table 3: All files in the M bundle

Run	Size
clefip-dcu_baseline_Main_M	36781801
clefip-dcu_Filtered2_Main_M	36539139
clefip-dcu_Filtered_Main_M	36540030
clefip-ug_bm25medstandard_Main_M	35383702
clefip-ug_infdocfreqBM25EnglishTerms_Main_M	35489014
clefip-ug_infdocfreqBM25FrenchTerms_Main_M	17758738
clefip-ug_infdocfreqBM25GermanTerms_Main_M	35473283
clefip-ug_infdocfreqCosEnglishTerms_Main_M	30681887
clefip-unige_RUN1_Main_M	30783000
clefip-unige_RUN2_Main_M	30783000
clefip-unige_RUN3_Main_M	30783000
clefip-unige_RUN4_Main_M	30783000
clefip-unige_RUN5_Main_M	30783000
cwi_bm25_Main_M	42999914
cwi_boolean_Main_M	13042201
cwi_categorybm25_Main_M	33443878
cwi_category_Main_M	40833359
hcuge_BiTeM_DE_M	23819654
hcuge_BiTeM_EN_M	25218993
hcuge_BiTeM_FR_M	23929417
hcuge_BiTeM_Main_M	26089637
humb_1_DE_M	19147252
humb_1_EN_M	19129750
humb_1_FR_M	19090376
humb_1_Main_M	19098969
TUD_800noTitle_DE_M	46295150
TUD_800noTitle_EN_M	46374429
TUD_800noTitle_FR_M	46234386
TUD_800noTitle_Main_M	46280615
UniNE_strat8_Main_M	36897811
UTASICS_abs-des-ratf-GT_Main_M	46732399
UTASICS_abs-des-ratf_Main_M	46710825
UTASICS_abs-tit-cla-ratf-GT-ipcr_Main_M	46714355
UTASICS_abs-tit-cla-ratf-ipcr_Main_M	46714572
UTASICS_all-ratf-GT-ipcr_Main_M	46724344
UTASICS_all-ratf-ipcr_Main_M	46722805
UTASICS_all-tf-idf-GT-ipcr_Main_M	46753155
UTASICS_all-tf-idf-ipcr_Main_M	46744862
Run	**Size**

Table 4: All files in the XL bundle

Run	Size
clefip-dcu_baseline_Main_XL	367818861
clefip-dcu_Filtered2_Main_XL	365229535
clefip-dcu_Filtered_Main_XL	365233584
clefip-ug_infdocfreqCosEnglishTerms_Main_XL	306432354
clefip-unige_RUN1_Main_XL.txt	307830000
clefip-unige_RUN2_Main_XL.txt	307830000
clefip-unige_RUN3_Main_XL.txt	307830000
clefip-unige_RUN4_Main_XL.txt	307830000
clefip-unige_RUN5_Main_XL.txt	307830000
cwi_bm25_Main_XL	429788569
cwi_boolean_Main_XL	121809110
cwi_category_Main_XL	405778788
hcuge_BiTeM_Main_XL.res	261844946
humb_1_DE_XL	191664905
humb_1_EN_XL	191589767
humb_1_FR_XL	190898956
humb_1_Main_XL	191196390
TUD_800noTitle_DE_XL.txt	462438171
TUD_800noTitle_EN_XL.txt	463430775
TUD_800noTitle_FR_XL.txt	461770225
TUD_800noTitle_Main_XL.txt	462520129
UniNE_strat8_Main_XL	368968940
UTASICS_abs-des-ratf-GT_Main_XL	467327447
UTASICS_abs-des-ratf_Main_XL	467103976
UTASICS_abs-tit-cla-ratf-GT-ipcr_Main_XL	467147452
UTASICS_abs-tit-cla-ratf-ipcr_Main_XL	467138142
UTASICS_all-ratf-GT-ipcr_Main_XL	467233141
UTASICS_all-ratf-ipcr_Main_XL	467218601
UTASICS_all-tf-idf-GT-ipcr_Main_XL	467520407
UTASICS_all-tf-idf-ipcr_Main_XL	467455545
Run	**Size**

3   Measurements

In this section we present the values of the measures mentioned in section 1 for all run files grouped by task and size.

3.1   Main Task

Table 5: Measures for bundle S, task Main

run id	P	R	MAP	nDCG
clefip-dcu_baseline	0.0032	0.5380	0.0815	0.4142
clefip-dcu_Filtered	0.0038	0.6156	0.0896	0.4120
clefip-dcu_Filtered2	0.0038	0.6236	0.0913	0.4183
clefip-run_ClaimsBOW	0.0129	0.2201	0.0540	0.4567
clefip-ug_bm25medstandard	0.0001	0.0200	0.0002	0.0360
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0162	0.0004	0.0376
clefip-ug_infdocfreqBM25FrenchTermsNew	0.0001	0.0123	0.0003	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0162	0.0004	0.0376
clefip-ug_infdocfreqCosEnglishTerms	0.0036	0.4546	0.0715	0.4000
clefip-unige_RUN1	0.0032	0.5319	0.0901	0.4157
run id	**P**	**R**	**MAP**	**nDCG**
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Table 5: Measures for bundle S, task Main, continued

run id	P	R	MAP	nDCG
clefip-unige_RUN2	0.0029	0.4900	0.0883	0.4388
clefip-unige_RUN3	0.0032	0.5327	0.0900	0.4154
clefip-unige_RUN4	0.0031	0.5135	0.0669	0.3842
clefip-unige_RUN5	0.0028	0.4659	0.0673	0.3959
cwi_bm25	0.0027	0.4350	0.0666	0.4230
cwi_boolean	0.0431	0.1947	0.0195	0.3064
cwi_category	0.0045	0.6656	0.0392	0.3093
cwi_categorybm25	0.0069	0.5874	0.0697	0.3781
hcuge_BiTeM	0.0127	0.6034	0.1145	0.4527
Hildesheim_MethodAnew	0.0019	0.0487	0.0031	0.0813
humb_1	0.0281	0.7588	0.2714	0.5754
NLEL_MethodA	0.0016	0.2547	0.0289	0.3377
TUD_800noTitle	0.0044	0.7345	0.0975	0.3954
UAIC_MethodAnew	0.0004	0.0670	0.0094	0.1877
UniNE_strat1	0.0030	0.4993	0.0695	0.3906
UniNE_strat2	0.0031	0.5120	0.0891	0.4345
UniNE_strat3	0.0040	0.5139	0.1024	0.4984
UniNE_strat4	0.0037	0.5162	0.0961	0.4776
UniNE_strat5	0.0027	0.4391	0.0856	0.4852
UniNE_strat6	0.0039	0.5615	0.0955	0.4439
UniNE_strat7	0.0034	0.5669	0.0839	0.4157
UniNE_strat8	0.0029	0.4788	0.0852	0.4499
uscom_BM25a	0.0029	0.4247	0.0837	0.4466
uscom_BM25at	0.0031	0.4549	0.0867	0.4331
uscom_BM25b	0.0041	0.5553	0.1079	0.4410
uscom_BM25bt	0.0042	0.5729	0.1133	0.4588
uscom_BM25c	0.0042	0.5563	0.1071	0.4341
uscom_BM25ct	0.0042	0.5722	0.1132	0.4544
uscom_BM25d	0.0042	0.5630	0.1071	0.4346
uscom_BM25dt	0.0043	0.5773	0.1121	0.4455
UTASICS_abs-des-ratf	0.0034	0.5561	0.1023	0.4753
UTASICS_abs-des-ratf-GT	0.0033	0.5447	0.0810	0.4207
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0034	0.5836	0.0962	0.4181
UTASICS_abs-tit-cla-ratf-ipcr	0.0034	0.5816	0.0949	0.4267
UTASICS_all-ratf-GT-ipcr	0.0037	0.6180	0.1096	0.4268
UTASICS_all-ratf-ipcr	0.0036	0.6117	0.1047	0.4388
UTASICS_all-tf-idf-GT-ipcr	0.0036	0.5954	0.1072	0.4493
UTASICS_all-tf-idf-ipcr	0.0035	0.5916	0.1048	0.4299
run id	**P**	**R**	**MAP**	**nDCG**

Table 6: Measures for bundle M, task Main

run id	P	R	MAP	nDCG
clefip-dcu_baseline	0.0032	0.5289	0.0891	0.4265
clefip-dcu_Filtered	0.0037	0.6071	0.0970	0.4254
clefip-dcu_Filtered2	0.0037	0.6128	0.0979	0.4264
clefip-ug_bm25medstandard	0.0002	0.0238	0.0002	0.0389
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0159	0.0002	0.0318
clefip-ug_infdocfreqBM25FrenchTerms	0.0001	0.0123	0.0003	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0159	0.0002	0.0318
clefip-ug_infdocfreqCosEnglishTerms	0.0036	0.4667	0.0767	0.4150
clefip-unige_RUN1	0.0032	0.5375	0.0984	0.4316
clefip-unige_RUN2	0.0029	0.4985	0.1001	0.4594
clefip-unige_RUN3	0.0032	0.5381	0.0983	0.4313
clefip-unige_RUN4	0.0030	0.5117	0.0685	0.3967
run id	**P**	**R**	**MAP**	**nDCG**
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Table 6: Measures for bundle M, task Main, continued

run id	P	R	MAP	nDCG
clefip-unige_RUN5	0.0027	0.4699	0.0705	0.3956
cwi_bm25	0.0027	0.4395	0.0774	0.4219
cwi_boolean	0.0473	0.2050	0.0217	0.3043
cwi_category	0.0044	0.6549	0.0453	0.3256
cwi_categorybm25	0.0066	0.5855	0.0739	0.3857
hcuge_BiTeM	0.0134	0.5998	0.1191	0.4825
humb_1	0.0272	0.7618	0.2783	0.5816
TUD_800noTitle	0.0043	0.7292	0.1100	0.4117
UniNE_strat8	0.0028	0.4724	0.0921	0.4479
UTASICS_abs-des-ratf	0.0034	0.5523	0.1186	0.4718
UTASICS_abs-des-ratf-GT	0.0033	0.5513	0.0964	0.4448
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0034	0.5808	0.1062	0.4261
UTASICS_abs-tit-cla-ratf-ipcr	0.0034	0.5767	0.1057	0.4337
UTASICS_all-ratf-GT-ipcr	0.0037	0.6199	0.1206	0.4441
UTASICS_all-ratf-ipcr	0.0036	0.6114	0.1190	0.4428
UTASICS_all-tf-idf-GT-ipcr	0.0035	0.6011	0.1191	0.4517
UTASICS_all-tf-idf-ipcr	0.0035	0.5921	0.1184	0.4461
run id	**P**	**R**	**MAP**	**nDCG**

Table 7: Measures for bundle XL, task Main

run id	P	R	MAP	nDCG
clefip-dcu_baseline	0.0033	0.5438	0.0968	0.4281
clefip-dcu_Filtered	0.0038	0.6240	0.1074	0.4291
clefip-dcu_Filtered2	0.0038	0.6267	0.1074	0.4266
clefip-ug_infdocfreqCosEnglishTerms	0.0036	0.4799	0.0786	0.4237
clefip-unige_RUN1	0.0032	0.5424	0.1052	0.4362
clefip-unige_RUN2	0.0030	0.5006	0.1058	0.4640
clefip-unige_RUN3	0.0032	0.5430	0.1052	0.4359
clefip-unige_RUN4	0.0031	0.5201	0.0749	0.3938
clefip-unige_RUN5	0.0028	0.4761	0.0761	0.3984
cwi_bm25	0.0027	0.4480	0.0845	0.4308
cwi_boolean	0.0503	0.2212	0.0240	0.3263
cwi_category	0.0046	0.6612	0.0441	0.3191
hcuge_BiTeM	0.0147	0.6108	0.1287	0.4819
humb_1	0.0278	0.7649	0.2802	0.5877
TUD_800noTitle	0.0044	0.7372	0.1186	0.4213
UniNE_strat8	0.0029	0.4782	0.0996	0.4571
UTASICS_abs-des-ratf	0.0034	0.5666	0.1237	0.4722
UTASICS_abs-des-ratf-GT	0.0034	0.5632	0.0996	0.4375
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0035	0.5854	0.1097	0.4416
UTASICS_abs-tit-cla-ratf-ipcr	0.0035	0.5820	0.1088	0.4405
UTASICS_all-ratf-GT-ipcr	0.0037	0.6221	0.1227	0.4511
UTASICS_all-ratf-ipcr	0.0037	0.6128	0.1209	0.4507
UTASICS_all-tf-idf-GT-ipcr	0.0036	0.6055	0.1217	0.4518
UTASICS_all-tf-idf-ipcr	0.0036	0.5968	0.1216	0.4562
run id	**P**	**R**	**MAP**	**nDCG**

Table 8: Measures for bundle S, task Main

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-dcu_baseline	0.0032	0.0916	0.0694	0.0184	0.5380	0.0818	0.1222	0.3086	0.0815	0.4142
clefip-dcu_Filtered	0.0038	0.1008	0.0774	0.0208	0.6156	0.0908	0.1373	0.3526	0.0896	0.4120
clefip-dcu_Filtered2	0.0038	0.1036	0.0768	0.0208	0.6236	0.0952	0.1363	0.3531	0.0913	0.4183
clefip-run_ClaimsBOW	0.0129	0.0668	0.0494	0.0129	0.2201	0.0566	0.0815	0.2201	0.0540	0.4567
clefip-ug_bm25medstandard	0.0001	0.0000	0.0002	0.0002	0.0200	0.0000	0.0002	0.0031	0.0002	0.0360
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0004	0.0002	0.0002	0.0162	0.0004	0.0004	0.0033	0.0004	0.0376
clefip-ug_infdocfreqBM25FrenchTermsNew	0.0001	0.0004	0.0002	0.0002	0.0123	0.0004	0.0004	0.0027	0.0003	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0004	0.0002	0.0002	0.0162	0.0004	0.0004	0.0033	0.0004	0.0376
clefip-ug_infdocfreqCosEnglishTerms	0.0036	0.0880	0.0586	0.0152	0.4546	0.0797	0.1027	0.2447	0.0715	0.4000
clefip-unige_RUN1	0.0032	0.1020	0.0750	0.0172	0.5319	0.0941	0.1330	0.2970	0.0901	0.4157
clefip-unige_RUN2	0.0029	0.1000	0.0742	0.0168	0.4900	0.0925	0.1316	0.2909	0.0883	0.4388
clefip-unige_RUN3	0.0032	0.1020	0.0752	0.0172	0.5327	0.0941	0.1331	0.2979	0.0900	0.4154
clefip-unige_RUN4	0.0031	0.0772	0.0596	0.0158	0.5135	0.0664	0.1045	0.2686	0.0669	0.3842
clefip-unige_RUN5	0.0028	0.0796	0.0554	0.0138	0.4659	0.0709	0.0963	0.2435	0.0673	0.3959
cwi_bm25	0.0027	0.0784	0.0554	0.0143	0.4350	0.0703	0.0971	0.2409	0.0666	0.4230
cwi_boolean	0.0431	0.0227	0.0182	0.0051	0.1947	0.0214	0.0340	0.0845	0.0195	0.3064
cwi_category	0.0045	0.0360	0.0306	0.0150	0.6656	0.0338	0.0581	0.2715	0.0392	0.3093
cwi_categorybm25	0.0069	0.0780	0.0588	0.0172	0.5874	0.0720	0.1059	0.2939	0.0697	0.3781
hcuge_BiTeM	0.0127	0.1288	0.0944	0.0238	0.6034	0.1103	0.1589	0.4048	0.1145	0.4527
Hildesheim_MethodAnew	0.0019	0.0032	0.0032	0.0011	0.0487	0.0031	0.0064	0.0234	0.0031	0.0813
humb_1	0.0281	0.2780	0.1768	0.0317	0.7588	0.2751	0.3411	0.5800	0.2714	0.5754
NLEL_MethodA	0.0016	0.0388	0.0298	0.0076	0.2547	0.0330	0.0481	0.1187	0.0289	0.3377
TUD_800noTitle	0.0044	0.1004	0.0778	0.0237	0.7345	0.0922	0.1435	0.4220	0.0975	0.3954
UAIC_MethodAnew	0.0004	0.0152	0.0090	0.0023	0.0670	0.0118	0.0150	0.0342	0.0094	0.1877
UniNE_strat1	0.0030	0.0832	0.0600	0.0152	0.4993	0.0748	0.1049	0.2577	0.0695	0.3906
UniNE_strat2	0.0031	0.1024	0.0738	0.0183	0.5120	0.0929	0.1295	0.3157	0.0891	0.4345
UniNE_strat3	0.0040	0.1148	0.0822	0.0201	0.5139	0.1053	0.1466	0.3418	0.1024	0.4984
UniNE_strat4	0.0037	0.1116	0.0778	0.0187	0.5162	0.1005	0.1366	0.3236	0.0961	0.4776
UniNE_strat5	0.0027	0.1000	0.0702	0.0165	0.4391	0.0926	0.1268	0.2828	0.0856	0.4852
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Continued on next page

Table 8: Measures for bundle S, task Main, continued

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
UniNE_strat6	0.0039	0.1072	0.0790	0.0196	0.5615	0.0967	0.1400	0.3366	0.0955	0.4439
UniNE_strat7	0.0034	0.0956	0.0690	0.0180	0.5669	0.0894	0.1234	0.3144	0.0839	0.4157
UniNE_strat8	0.0029	0.1056	0.0724	0.0161	0.4788	0.0947	0.1293	0.2801	0.0852	0.4499
uscom_BM25a	0.0029	0.0948	0.0644	0.0141	0.4247	0.0900	0.1183	0.2473	0.0837	0.4466
uscom_BM25at	0.0031	0.1004	0.0680	0.0151	0.4549	0.0937	0.1223	0.2637	0.0867	0.4331
uscom_BM25b	0.0041	0.1184	0.0858	0.0205	0.5553	0.1082	0.1569	0.3509	0.1079	0.4410
uscom_BM25bt	0.0042	0.1280	0.0908	0.0213	0.5729	0.1176	0.1631	0.3610	0.1133	0.4588
uscom_BM25c	0.0042	0.1180	0.0858	0.0206	0.5563	0.1104	0.1564	0.3504	0.1071	0.4341
uscom_BM25ct	0.0042	0.1268	0.0898	0.0212	0.5722	0.1172	0.1611	0.3602	0.1132	0.4544
uscom_BM25d	0.0042	0.1188	0.0852	0.0206	0.5630	0.1113	0.1558	0.3500	0.1071	0.4346
uscom_BM25dt	0.0043	0.1252	0.0892	0.0213	0.5773	0.1163	0.1606	0.3609	0.1121	0.4455
UTASICS_abs-des-ratf	0.0034	0.1216	0.0830	0.0202	0.5561	0.1107	0.1484	0.3393	0.1023	0.4753
UTASICS_abs-des-ratf-GT	0.0033	0.0980	0.0716	0.0177	0.5447	0.0904	0.1302	0.3085	0.0810	0.4207
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0034	0.1044	0.0730	0.0192	0.5836	0.0965	0.1333	0.3395	0.0962	0.4181
UTASICS_abs-tit-cla-ratf-ipcr	0.0034	0.1012	0.0738	0.0191	0.5816	0.0931	0.1348	0.3377	0.0949	0.4267
UTASICS_all-ratf-GT-ipcr	0.0037	0.1208	0.0830	0.0205	0.6180	0.1100	0.1482	0.3598	0.1096	0.4268
UTASICS_all-ratf-ipcr	0.0036	0.1120	0.0830	0.0208	0.6117	0.1020	0.1487	0.3663	0.1047	0.4388
UTASICS_all-tf-idf-GT-ipcr	0.0036	0.1220	0.0856	0.0202	0.5954	0.1134	0.1550	0.3505	0.1072	0.4493
UTASICS_all-tf-idf-ipcr	0.0035	0.1196	0.0844	0.0200	0.5916	0.1085	0.1531	0.3498	0.1048	0.4299
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 9: Measures for bundle M, task Main

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-dcu.baseline	0.0032	0.0984	0.0709	0.0183	0.5289	0.0916	0.1302	0.3135	0.0891	0.4265
clefip-dcu.Filtered	0.0037	0.1074	0.0785	0.0203	0.6071	0.1013	0.1440	0.3504	0.0970	0.4254
clefip-dcu.Filtered2	0.0037	0.1092	0.0785	0.0204	0.6128	0.1032	0.1433	0.3516	0.0979	0.4264
clefip-ug_bm25medstandard	0.0002	0.0000	0.0001	0.0002	0.0238	0.0000	0.0001	0.0033	0.0002	0.0389
clefip-ug.infdocfreqBM25EnglishTerms	0.0001	0.0002	0.0001	0.0001	0.0159	0.0002	0.0002	0.0017	0.0002	0.0318
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 9: Measures for bundle M, task Main, continued

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-ug_infdocfreqBM25FrenchTerms	0.0001	0.0004	0.0002	0.0002	0.0123	0.0004	0.0004	0.0027	0.0003	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0002	0.0001	0.0001	0.0159	0.0002	0.0002	0.0017	0.0002	0.0318
clefip-ug_infdocfreqCosEnglishTerms	0.0036	0.0854	0.0600	0.0155	0.4667	0.0808	0.1100	0.2599	0.0767	0.4150
clefip-unige_RUN1	0.0032	0.1088	0.0765	0.0176	0.5375	0.1019	0.1406	0.3090	0.0984	0.4316
clefip-unige_RUN2	0.0029	0.1114	0.0778	0.0174	0.4985	0.1050	0.1432	0.3032	0.1001	0.4594
clefip-unige_RUN3	0.0032	0.1086	0.0766	0.0176	0.5381	0.1017	0.1406	0.3095	0.0983	0.4313
clefip-unige_RUN4	0.0030	0.0766	0.0594	0.0158	0.5117	0.0703	0.1077	0.2750	0.0685	0.3967
clefip-unige_RUN5	0.0027	0.0820	0.0573	0.0140	0.4699	0.0766	0.1043	0.2498	0.0705	0.3956
cwi_bm25	0.0027	0.0876	0.0624	0.0148	0.4395	0.0813	0.1109	0.2496	0.0774	0.4219
cwi_boolean	0.0473	0.0240	0.0188	0.0058	0.2050	0.0230	0.0356	0.0971	0.0217	0.3043
cwi_category	0.0044	0.0422	0.0343	0.0152	0.6549	0.0407	0.0665	0.2823	0.0453	0.3256
cwi_categorybm25	0.0066	0.0816	0.0588	0.0171	0.5855	0.0770	0.1085	0.2983	0.0739	0.3857
hcuge_BiTeM	0.0134	0.1302	0.0945	0.0240	0.5998	0.1194	0.1688	0.4199	0.1191	0.4825
humb_1	0.0272	0.2766	0.1748	0.0319	0.7618	0.2769	0.3397	0.5800	0.2783	0.5816
TUD_800noTitle	0.0043	0.1118	0.0829	0.0237	0.7292	0.1094	0.1591	0.4308	0.1100	0.4117
UniNE_strat8	0.0028	0.1064	0.0729	0.0163	0.4724	0.1006	0.1349	0.2837	0.0921	0.4479
UTASICS_abs-des-ratf	0.0034	0.1304	0.0890	0.0204	0.5523	0.1243	0.1646	0.3455	0.1186	0.4718
UTASICS_abs-des-ratf-GT	0.0033	0.1100	0.0787	0.0183	0.5513	0.1048	0.1477	0.3227	0.0964	0.4448
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0034	0.1138	0.0793	0.0191	0.5808	0.1090	0.1508	0.3400	0.1062	0.4261
UTASICS_abs-tit-cla-ratf-ipcr	0.0034	0.1132	0.0780	0.0189	0.5767	0.1093	0.1484	0.3374	0.1057	0.4337
UTASICS_all-ratf-GT-ipcr	0.0037	0.1316	0.0889	0.0211	0.6199	0.1261	0.1652	0.3724	0.1206	0.4441
UTASICS_all-ratf-ipcr	0.0036	0.1246	0.0877	0.0209	0.6114	0.1210	0.1654	0.3686	0.1190	0.4428
UTASICS_all-tf-idf-GT-ipcr	0.0035	0.1310	0.0905	0.0205	0.6011	0.1265	0.1694	0.3597	0.1191	0.4517
UTASICS_all-tf-idf-ipcr	0.0035	0.1298	0.0887	0.0201	0.5921	0.1254	0.1695	0.3550	0.1184	0.4461
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 10: Measures for bundle XL, task Main

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-dcu_baseline	0.0033	0.1081	0.0768	0.0185	0.5438	0.1010	0.1405	0.3188	0.0968	0.4281
clefip-dcu_Filtered	0.0038	0.1169	0.0839	0.0208	0.6240	0.1102	0.1546	0.3608	0.1074	0.4291
clefip-dcu_Filtered2	0.0038	0.1173	0.0840	0.0208	0.6267	0.1107	0.1546	0.3612	0.1074	0.4266
clefip-ug_infdocfreqCosEnglishTerms	0.0036	0.0891	0.0627	0.0157	0.4799	0.0839	0.1148	0.2690	0.0786	0.4237
clefip-unige_RUN1	0.0032	0.1162	0.0804	0.0181	0.5424	0.1111	0.1496	0.3165	0.1052	0.4362
clefip-unige_RUN2	0.0030	0.1181	0.0816	0.0176	0.5006	0.1127	0.1518	0.3076	0.1058	0.4640
clefip-unige_RUN3	0.0032	0.1161	0.0804	0.0181	0.5430	0.1111	0.1496	0.3168	0.1052	0.4359
clefip-unige_RUN4	0.0031	0.0844	0.0629	0.0164	0.5201	0.0787	0.1145	0.2835	0.0749	0.3938
clefip-unige_RUN5	0.0028	0.0867	0.0591	0.0140	0.4761	0.0819	0.1095	0.2455	0.0761	0.3984
cwi.bm25	0.0027	0.0971	0.0681	0.0158	0.4480	0.0909	0.1234	0.2666	0.0845	0.4308
cwi.boolean	0.0503	0.0273	0.0209	0.0065	0.2212	0.0259	0.0386	0.1078	0.0240	0.3263
cwi.category	0.0046	0.0399	0.0348	0.0161	0.6612	0.0372	0.0648	0.2894	0.0441	0.3191
hcuge_BiTeM	0.0147	0.1343	0.0977	0.0250	0.6108	0.1267	0.1799	0.4343	0.1287	0.4819
humb_1	0.0278	0.2768	0.1776	0.0327	0.7649	0.2752	0.3432	0.5905	0.2802	0.5877
TUD_800noTitle	0.0044	0.1217	0.0897	0.0250	0.7372	0.1171	0.1690	0.4449	0.1186	0.4213
UniNE_strat8	0.0029	0.1145	0.0783	0.0173	0.4782	0.1069	0.1424	0.2944	0.0996	0.4571
UTASICS_abs-des-ratf	0.0034	0.1368	0.0945	0.0210	0.5666	0.1290	0.1735	0.3584	0.1237	0.4722
UTASICS_abs-des-ratf-GT	0.0034	0.1091	0.0779	0.0190	0.5632	0.1047	0.1456	0.3318	0.0996	0.4375
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0035	0.1210	0.0848	0.0200	0.5854	0.1136	0.1566	0.3497	0.1097	0.4416
UTASICS_abs-tit-cla-ratf-ipcr	0.0035	0.1202	0.0838	0.0199	0.5820	0.1128	0.1545	0.3473	0.1088	0.4405
UTASICS_all-ratf-GT-ipcr	0.0037	0.1335	0.0934	0.0219	0.6221	0.1262	0.1727	0.3806	0.1227	0.4511
UTASICS_all-ratf-ipcr	0.0037	0.1319	0.0923	0.0216	0.6128	0.1242	0.1700	0.3751	0.1209	0.4507
UTASICS_all-tf-idf-GT-ipcr	0.0036	0.1339	0.0934	0.0212	0.6055	0.1269	0.1728	0.3693	0.1217	0.4518
UTASICS_all-tf-idf-ipcr	0.0036	0.1333	0.0930	0.0210	0.5968	0.1256	0.1720	0.3656	0.1216	0.4562
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 11: Measures for bundle S, highly-relevant, task Main

run id	P	R	MAP	nDCG
clefip-dcu_baseline	0.0019	0.5719	0.0887	0.4142
clefip-dcu_Filtered	0.0022	0.6480	0.0959	0.4120
clefip-dcu_Filtered2	0.0022	0.6532	0.0982	0.4183
clefip-run_ClaimsBOW	0.0080	0.2479	0.0646	0.4567
clefip-ug_bm25medstandard	0.0001	0.0194	0.0002	0.0360
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0178	0.0002	0.0376
clefip-ug_infdocfreqBM25FrenchTermsNew	0.0000	0.0131	0.0001	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0178	0.0002	0.0376
clefip-ug_infdocfreqCosEnglishTerms	0.0019	0.4587	0.0750	0.4000
clefip-unige_RUN1	0.0018	0.5455	0.0857	0.4157
clefip-unige_RUN2	0.0017	0.5141	0.0842	0.4388
clefip-unige_RUN3	0.0018	0.5455	0.0857	0.4154
clefip-unige_RUN4	0.0018	0.5345	0.0650	0.3842
clefip-unige_RUN5	0.0016	0.4800	0.0654	0.3959
cwi_bm25	0.0015	0.4553	0.0668	0.4230
cwi_boolean	0.0307	0.2163	0.0220	0.3064
cwi_category	0.0026	0.6814	0.0391	0.3093
cwi_categorybm25	0.0042	0.6067	0.0684	0.3781
hcuge_BiTeM	0.0076	0.6251	0.1143	0.4527
Hildesheim_MethodAnew	0.0011	0.0474	0.0028	0.0813
humb_1	0.0174	0.7953	0.2832	0.5754
NLEL_MethodA	0.0009	0.2770	0.0317	0.3377
TUD_800noTitle	0.0025	0.7526	0.1032	0.3954
UAIC_MethodAnew	0.0002	0.0707	0.0091	0.1877
UniNE_strat1	0.0018	0.5220	0.0754	0.3906
UniNE_strat2	0.0018	0.5311	0.0976	0.4345
UniNE_strat3	0.0022	0.5298	0.1080	0.4984
UniNE_strat4	0.0021	0.5384	0.1050	0.4776
UniNE_strat5	0.0015	0.4453	0.0901	0.4852
UniNE_strat6	0.0023	0.5855	0.1013	0.4439
UniNE_strat7	0.0020	0.5986	0.0841	0.4157
UniNE_strat8	0.0017	0.5038	0.0947	0.4499
uscom_BM25a	0.0017	0.4504	0.0925	0.4466
uscom_BM25at	0.0018	0.4756	0.0949	0.4331
uscom_BM25b	0.0024	0.5711	0.1111	0.4410
uscom_BM25bt	0.0024	0.5906	0.1172	0.4588
uscom_BM25c	0.0024	0.5700	0.1104	0.4341
uscom_BM25ct	0.0025	0.5873	0.1163	0.4544
uscom_BM25d	0.0024	0.5766	0.1113	0.4346
uscom_BM25dt	0.0025	0.5936	0.1156	0.4455
UTASICS_abs-des-ratf	0.0020	0.5692	0.1074	0.4753
UTASICS_abs-des-ratf-GT	0.0019	0.5598	0.0837	0.4207
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0021	0.6139	0.0976	0.4181
UTASICS_abs-tit-cla-ratf-ipcr	0.0021	0.6115	0.0953	0.4267
UTASICS_all-ratf-GT-ipcr	0.0022	0.6344	0.1078	0.4268
UTASICS_all-ratf-ipcr	0.0022	0.6337	0.1024	0.4388
UTASICS_all-tf-idf-GT-ipcr	0.0021	0.6259	0.1095	0.4493
UTASICS_all-tf-idf-ipcr	0.0021	0.6138	0.1060	0.4299
run id	**P**	**R**	**MAP**	**nDCG**

Table 12: Measures for bundle M, highly-relevant, task Main

run id	P	R	MAP	nDCG
clefip-dcu_baseline	0.0019	0.5622	0.0969	0.4265
clefip-dcu_Filtered	0.0022	0.6364	0.1044	0.4254
run id	**P**	**R**	**MAP**	**nDCG**
Continued on next page				

Table 12: Measures for bundle M, highly-relevant, task Main, continued

run id	P	R	MAP	nDCG
clefip-dcu_Filtered2	0.0022	0.6380	0.1054	0.4264
clefip-ug_bm25medstandard	0.0001	0.0222	0.0002	0.0389
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0170	0.0001	0.0318
clefip-ug_infdocfreqBM25FrenchTerms	0.0000	0.0131	0.0001	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0170	0.0001	0.0318
clefip-ug_infdocfreqCosEnglishTerms	0.0020	0.4731	0.0834	0.4150
clefip-unige_RUN1	0.0019	0.5523	0.0940	0.4316
clefip-unige_RUN2	0.0017	0.5173	0.0963	0.4594
clefip-unige_RUN3	0.0019	0.5527	0.0940	0.4313
clefip-unige_RUN4	0.0018	0.5310	0.0657	0.3967
clefip-unige_RUN5	0.0016	0.4780	0.0701	0.3956
cwi_bm25	0.0015	0.4593	0.0804	0.4219
cwi_boolean	0.0348	0.2243	0.0234	0.3043
cwi_category	0.0026	0.6755	0.0427	0.3256
cwi_categorybm25	0.0041	0.6019	0.0718	0.3857
hcuge_BiTeM	0.0084	0.6240	0.1187	0.4825
humb_1	0.0165	0.7968	0.2902	0.5816
TUD_800noTitle	0.0025	0.7501	0.1129	0.4117
UniNE_strat8	0.0017	0.4897	0.1002	0.4479
UTASICS_abs-des-ratf	0.0019	0.5688	0.1206	0.4718
UTASICS_abs-des-ratf-GT	0.0019	0.5657	0.0958	0.4448
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0021	0.6056	0.1108	0.4261
UTASICS_abs-tit-cla-ratf-ipcr	0.0020	0.5998	0.1096	0.4337
UTASICS_all-ratf-GT-ipcr	0.0022	0.6327	0.1209	0.4441
UTASICS_all-ratf-ipcr	0.0021	0.6269	0.1195	0.4428
UTASICS_all-tf-idf-GT-ipcr	0.0021	0.6216	0.1223	0.4517
UTASICS_all-tf-idf-ipcr	0.0021	0.6061	0.1197	0.4461
run id	**P**	**R**	**MAP**	**nDCG**

Table 13: Measures for bundle XL, highly-relevant, task Main

run id	P	R	MAP	nDCG
clefip-dcu_baseline	0.0020	0.5642	0.1001	0.4281
clefip-dcu_Filtered	0.0023	0.6447	0.1088	0.4291
clefip-dcu_Filtered2	0.0023	0.6466	0.1085	0.4266
clefip-ug_infdocfreqCosEnglishTerms	0.0021	0.4905	0.0784	0.4237
clefip-unige_RUN1	0.0019	0.5554	0.1022	0.4362
clefip-unige_RUN2	0.0018	0.5146	0.1033	0.4640
clefip-unige_RUN3	0.0019	0.5557	0.1022	0.4359
clefip-unige_RUN4	0.0019	0.5309	0.0698	0.3938
clefip-unige_RUN5	0.0017	0.4868	0.0758	0.3984
cwi_bm25	0.0016	0.4634	0.0868	0.4308
cwi_boolean	0.0340	0.2390	0.0252	0.3263
cwi_category	0.0028	0.6818	0.0415	0.3191
hcuge_BiTeM	0.0093	0.6314	0.1234	0.4819
humb_1	0.0175	0.7919	0.2836	0.5877
TUD_800noTitle	0.0027	0.7601	0.1183	0.4213
UniNE_strat8	0.0017	0.4919	0.1013	0.4571
UTASICS_abs-des-ratf	0.0020	0.5797	0.1243	0.4722
UTASICS_abs-des-ratf-GT	0.0020	0.5783	0.1000	0.4375
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0021	0.6046	0.1123	0.4416
UTASICS_abs-tit-cla-ratf-ipcr	0.0021	0.6012	0.1114	0.4405
UTASICS_all-ratf-GT-ipcr	0.0022	0.6389	0.1234	0.4511
UTASICS_all-ratf-ipcr	0.0022	0.6296	0.1220	0.4507
run id	**P**	**R**	**MAP**	**nDCG**
Continued on next page				

Table 13: Measures for bundle XL, highly-relevant, task Main, continued

run id	P	R	MAP	nDCG
UTASICS_all-tf-idf-GT-ipcr	0.0022	0.6229	0.1230	0.4518
UTASICS_all-tf-idf-ipcr	0.0021	0.6131	0.1227	0.4562
run id	P	R	MAP	nDCG

Table 14: Measures for bundle S, highly-relevant, task Main

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-dcu_baseline	0.0019	0.0572	0.0452	0.0112	0.5719	0.1012	0.1507	0.3422	0.0887	0.4142
clefip-dcu_Filtered	0.0022	0.0652	0.0500	0.0127	0.6480	0.1145	0.1636	0.3887	0.0959	0.4120
clefip-dcu_Filtered2	0.0022	0.0680	0.0502	0.0127	0.6532	0.1182	0.1644	0.3934	0.0982	0.4183
clefip-run_ClaimsBOW	0.0080	0.0428	0.0314	0.0080	0.2479	0.0777	0.1074	0.2479	0.0646	0.4567
clefip-ug_bm25medstandard	0.0001	0.0000	0.0002	0.0002	0.0194	0.0000	0.0005	0.0040	0.0002	0.0360
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0000	0.0000	0.0001	0.0178	0.0000	0.0000	0.0031	0.0002	0.0376
clefip-ug_infdocfreqBM25FrenchTermsNew	0.0000	0.0000	0.0000	0.0001	0.0131	0.0000	0.0000	0.0024	0.0001	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0000	0.0000	0.0001	0.0178	0.0000	0.0000	0.0031	0.0002	0.0376
clefip-ug_infdocfreqCosEnglishTerms	0.0019	0.0552	0.0354	0.0084	0.4587	0.0934	0.1174	0.2587	0.0750	0.4000
clefip-unige_RUN1	0.0018	0.0628	0.0446	0.0099	0.5455	0.1034	0.1424	0.3016	0.0857	0.4157
clefip-unige_RUN2	0.0017	0.0612	0.0438	0.0097	0.5141	0.1021	0.1427	0.2966	0.0842	0.4388
clefip-unige_RUN3	0.0018	0.0628	0.0446	0.0100	0.5455	0.1034	0.1424	0.3019	0.0857	0.4154
clefip-unige_RUN4	0.0018	0.0488	0.0364	0.0092	0.5345	0.0795	0.1146	0.2831	0.0650	0.3842
clefip-unige_RUN5	0.0016	0.0496	0.0340	0.0081	0.4800	0.0825	0.1044	0.2458	0.0654	0.3959
cwi_bm25	0.0015	0.0492	0.0350	0.0087	0.4553	0.0809	0.1080	0.2664	0.0668	0.4230
cwi_boolean	0.0307	0.0161	0.0123	0.0028	0.2163	0.0262	0.0395	0.0923	0.0220	0.3064
cwi_category	0.0026	0.0240	0.0196	0.0090	0.6814	0.0412	0.0658	0.2750	0.0391	0.3093
cwi_categorybm25	0.0042	0.0524	0.0376	0.0102	0.6067	0.0798	0.1142	0.3175	0.0684	0.3781
hcuge_BiTeM	0.0076	0.0808	0.0560	0.0142	0.6251	0.1391	0.1860	0.4360	0.1143	0.4527
Hildesheim_MethodAnew	0.0011	0.0016	0.0014	0.0006	0.0474	0.0030	0.0065	0.0235	0.0028	0.0813
humb_1	0.0174	0.1856	0.1156	0.0196	0.7953	0.3195	0.3836	0.6164	0.2832	0.5754
NLEL_MethodA	0.0009	0.0224	0.0170	0.0044	0.2770	0.0423	0.0586	0.1359	0.0317	0.3377
TUD_800noTitle	0.0025	0.0636	0.0474	0.0141	0.7526	0.1118	0.1623	0.4364	0.1032	0.3954
UAIC_MethodAnew	0.0002	0.0072	0.0046	0.0011	0.0707	0.0113	0.0151	0.0348	0.0091	0.1877
UniNE_strat1	0.0018	0.0528	0.0376	0.0089	0.5220	0.0970	0.1271	0.2702	0.0754	0.3906
UniNE_strat2	0.0018	0.0676	0.0462	0.0110	0.5311	0.1144	0.1504	0.3313	0.0976	0.4345
UniNE_strat3	0.0022	0.0736	0.0514	0.0115	0.5298	0.1273	0.1686	0.3543	0.1080	0.4984
UniNE_strat4	0.0021	0.0752	0.0496	0.0110	0.5384	0.1277	0.1640	0.3368	0.1050	0.4776
UniNE_strat5	0.0015	0.0664	0.0454	0.0095	0.4453	0.1142	0.1486	0.2938	0.0901	0.4852
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 14: Measures for bundle S, highly-relevant, task Main, continued

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
UniNE_strat6	0.0023	0.0720	0.0500	0.0115	0.5855	0.1193	0.1623	0.3563	0.1013	0.4439
UniNE_strat7	0.0020	0.0576	0.0420	0.0104	0.5986	0.1011	0.1432	0.3317	0.0841	0.4157
UniNE_strat8	0.0017	0.0684	0.0466	0.0098	0.5038	0.1184	0.1573	0.2975	0.0947	0.4499
uscom_BM25a	0.0017	0.0636	0.0398	0.0086	0.4504	0.1135	0.1398	0.2697	0.0925	0.4466
uscom_BM25at	0.0018	0.0660	0.0426	0.0092	0.4756	0.1179	0.1461	0.2873	0.0949	0.4331
uscom_BM25b	0.0024	0.0724	0.0512	0.0120	0.5711	0.1304	0.1755	0.3650	0.1111	0.4410
uscom_BM25bt	0.0024	0.0800	0.0534	0.0124	0.5906	0.1399	0.1809	0.3764	0.1172	0.4588
uscom_BM25c	0.0024	0.0736	0.0514	0.0120	0.5700	0.1313	0.1741	0.3653	0.1104	0.4341
uscom_BM25ct	0.0025	0.0800	0.0532	0.0122	0.5873	0.1366	0.1797	0.3726	0.1163	0.4544
uscom_BM25d	0.0024	0.0744	0.0506	0.0120	0.5766	0.1321	0.1722	0.3642	0.1113	0.4346
uscom_BM25dt	0.0025	0.0796	0.0528	0.0123	0.5936	0.1361	0.1798	0.3732	0.1156	0.4455
UTASICS_abs-des-ratf	0.0020	0.0800	0.0528	0.0119	0.5692	0.1311	0.1709	0.3574	0.1074	0.4753
UTASICS_abs-des-ratf-GT	0.0019	0.0632	0.0446	0.0109	0.5598	0.1088	0.1497	0.3295	0.0837	0.4207
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0021	0.0640	0.0444	0.0117	0.6139	0.1118	0.1515	0.3525	0.0976	0.4181
UTASICS_abs-tit-cla-ratf-ipcr	0.0021	0.0620	0.0452	0.0117	0.6115	0.1095	0.1528	0.3520	0.0953	0.4267
UTASICS_all-ratf-GT-ipcr	0.0022	0.0748	0.0490	0.0126	0.6344	0.1238	0.1601	0.3750	0.1078	0.4268
UTASICS_all-ratf-ipcr	0.0022	0.0688	0.0494	0.0126	0.6337	0.1164	0.1634	0.3773	0.1024	0.4388
UTASICS_all-tf-idf-GT-ipcr	0.0021	0.0748	0.0524	0.0124	0.6259	0.1257	0.1728	0.3691	0.1095	0.4493
UTASICS_all-tf-idf-ipcr	0.0021	0.0724	0.0510	0.0122	0.6138	0.1225	0.1692	0.3628	0.1060	0.4299
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 15: Measures for bundle M, highly-relevant, task Main

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-dcu_baseline	0.0019	0.0662	0.0477	0.0110	0.5622	0.1119	0.1565	0.3404	0.0969	0.4265
clefip-dcu.Filtered	0.0022	0.0734	0.0523	0.0124	0.6364	0.1245	0.1706	0.3809	0.1044	0.4254
clefip-dcu.Filtered2	0.0022	0.0746	0.0520	0.0124	0.6380	0.1259	0.1692	0.3848	0.1054	0.4264
clefip-ug_bm25medstandard	0.0001	0.0000	0.0001	0.0002	0.0222	0.0000	0.0003	0.0048	0.0002	0.0389
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 15: Measures for bundle M, highly-relevant, task Main, continued

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-ug_infdocfreqBM25EnglishTerms	0.0001	0.0000	0.0000	0.0001	0.0170	0.0000	0.0000	0.0015	0.0001	0.0318
clefip-ug_infdocfreqBM25FrenchTerms	0.0000	0.0000	0.0000	0.0001	0.0131	0.0000	0.0000	0.0024	0.0001	0.0270
clefip-ug_infdocfreqBM25GermanTerms	0.0001	0.0000	0.0000	0.0001	0.0170	0.0000	0.0000	0.0015	0.0001	0.0318
clefip-ug_infdocfreqCosEnglishTerms	0.0020	0.0562	0.0369	0.0087	0.4731	0.0992	0.1262	0.2737	0.0834	0.4150
clefip-unige_RUN1	0.0019	0.0678	0.0467	0.0103	0.5523	0.1101	0.1500	0.3194	0.0940	0.4316
clefip-unige_RUN2	0.0017	0.0694	0.0470	0.0102	0.5173	0.1146	0.1536	0.3150	0.0963	0.4594
clefip-unige_RUN3	0.0019	0.0676	0.0467	0.0103	0.5527	0.1097	0.1500	0.3197	0.0940	0.4313
clefip-unige_RUN4	0.0018	0.0480	0.0360	0.0094	0.5310	0.0813	0.1152	0.2901	0.0657	0.3967
clefip-unige_RUN5	0.0016	0.0532	0.0363	0.0083	0.4780	0.0871	0.1134	0.2558	0.0701	0.3956
cwi_bm25	0.0015	0.0574	0.0391	0.0086	0.4593	0.0964	0.1232	0.2722	0.0804	0.4219
cwi_boolean	0.0348	0.0166	0.0127	0.0034	0.2243	0.0274	0.0404	0.1066	0.0234	0.3043
cwi_category	0.0026	0.0260	0.0211	0.0095	0.6755	0.0448	0.0730	0.2961	0.0427	0.3256
cwi_categorybm25	0.0041	0.0526	0.0366	0.0102	0.6019	0.0847	0.1162	0.3151	0.0718	0.3857
hcuge_BiTeM	0.0084	0.0838	0.0580	0.0144	0.6240	0.1457	0.1961	0.4474	0.1187	0.4825
humb_1	0.0165	0.1852	0.1133	0.0193	0.7968	0.3276	0.3878	0.6233	0.2902	0.5816
TUD_800noTitle	0.0025	0.0732	0.0519	0.0144	0.7501	0.1330	0.1829	0.4518	0.1129	0.4117
UniNE_strat8	0.0017	0.0714	0.0466	0.0098	0.4897	0.1234	0.1586	0.3032	0.1002	0.4479
UTASICS_abs-des-ratf	0.0019	0.0856	0.0563	0.0118	0.5688	0.1436	0.1833	0.3566	0.1206	0.4718
UTASICS_abs-des-ratf-GT	0.0019	0.0728	0.0504	0.0111	0.5657	0.1237	0.1700	0.3403	0.0958	0.4448
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0021	0.0738	0.0508	0.0119	0.6056	0.1297	0.1711	0.3599	0.1108	0.4261
UTASICS_abs-tit-cla-ratf-ipcr	0.0020	0.0734	0.0501	0.0117	0.5998	0.1301	0.1687	0.3573	0.1096	0.4337
UTASICS_all-ratf-GT-ipcr	0.0022	0.0846	0.0555	0.0130	0.6327	0.1441	0.1847	0.3941	0.1209	0.4441
UTASICS_all-ratf-ipcr	0.0021	0.0790	0.0550	0.0128	0.6269	0.1385	0.1863	0.3856	0.1195	0.4428
UTASICS_all-tf-idf-GT-ipcr	0.0021	0.0858	0.0578	0.0125	0.6216	0.1481	0.1927	0.3797	0.1223	0.4517
UTASICS_all-tf-idf-ipcr	0.0021	0.0842	0.0561	0.0122	0.6061	0.1471	0.1898	0.3696	0.1197	0.4461
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 16: Measures for bundle XL, highly-relevant, task Main

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-dcu_baseline	0.0020	0.0719	0.0503	0.0115	0.5642	0.1184	0.1602	0.3416	0.1001	0.4281
clefip-dcu_Filtered	0.0023	0.0778	0.0549	0.0130	0.6447	0.1272	0.1740	0.3832	0.1088	0.4291
clefip-dcu_Filtered2	0.0023	0.0778	0.0549	0.0129	0.6466	0.1279	0.1747	0.3835	0.1085	0.4266
clefip-ug_infdocfreqCosEnglishTerms	0.0021	0.0583	0.0399	0.0095	0.4905	0.0954	0.1269	0.2839	0.0784	0.4237
clefip-unige_RUN1	0.0019	0.0759	0.0515	0.0111	0.5554	0.1218	0.1597	0.3273	0.1022	0.4362
clefip-unige_RUN2	0.0018	0.0769	0.0522	0.0108	0.5146	0.1237	0.1630	0.3193	0.1033	0.4640
clefip-unige_RUN3	0.0019	0.0758	0.0515	0.0111	0.5557	0.1217	0.1597	0.3274	0.1022	0.4359
clefip-unige_RUN4	0.0019	0.0538	0.0396	0.0100	0.5309	0.0835	0.1201	0.2927	0.0698	0.3938
clefip-unige_RUN5	0.0017	0.0573	0.0383	0.0085	0.4868	0.0912	0.1194	0.2553	0.0758	0.3984
cwi_bm25	0.0016	0.0641	0.0438	0.0096	0.4634	0.1056	0.1389	0.2833	0.0868	0.4308
cwi_boolean	0.0340	0.0182	0.0137	0.0040	0.2390	0.0289	0.0425	0.1192	0.0252	0.3263
cwi_category	0.0028	0.0261	0.0226	0.0101	0.6818	0.0418	0.0724	0.3054	0.0415	0.3191
hcuge_BiTeM	0.0093	0.0866	0.0613	0.0154	0.6314	0.1426	0.1947	0.4555	0.1234	0.4819
humb_1	0.0175	0.1878	0.1177	0.0204	0.7919	0.3172	0.3873	0.6247	0.2836	0.5877
TUD_800noTitle	0.0027	0.0805	0.0586	0.0157	0.7601	0.1341	0.1889	0.4693	0.1183	0.4213
UniNE_strat8	0.0017	0.0754	0.0503	0.0106	0.4919	0.1211	0.1571	0.3116	0.1013	0.4571
UTASICS_abs-des-ratf	0.0020	0.0892	0.0601	0.0127	0.5797	0.1459	0.1909	0.3748	0.1243	0.4722
UTASICS_abs-des-ratf-GT	0.0020	0.0712	0.0506	0.0118	0.5783	0.1182	0.1624	0.3499	0.1000	0.4375
UTASICS_abs-tit-cla-ratf-GT-ipcr	0.0021	0.0803	0.0557	0.0126	0.6046	0.1300	0.1756	0.3719	0.1123	0.4416
UTASICS_abs-tit-cla-ratf-ipcr	0.0021	0.0799	0.0551	0.0125	0.6012	0.1300	0.1731	0.3693	0.1114	0.4405
UTASICS_all-ratf-GT-ipcr	0.0022	0.0886	0.0606	0.0136	0.6389	0.1439	0.1913	0.4016	0.1234	0.4511
UTASICS_all-ratf-ipcr	0.0022	0.0871	0.0597	0.0134	0.6296	0.1408	0.1877	0.3960	0.1220	0.4507
UTASICS_all-tf-idf-GT-ipcr	0.0022	0.0889	0.0608	0.0132	0.6229	0.1445	0.1923	0.3901	0.1230	0.4518
UTASICS_all-tf-idf-ipcr	0.0021	0.0880	0.0605	0.0130	0.6131	0.1425	0.1915	0.3861	0.1227	0.4562
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

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Table 17: Measures for bundle S, task DE

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0169	0.5417	0.0911	0.4662
humb_1	0.0281	0.7523	0.2050	0.5412
TUD_800noTitle	0.0044	0.7230	0.0921	0.3783
run id	**P**	**R**	**MAP**	**nDCG**

Table 18: Measures for bundle M, task DE

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0173	0.5360	0.0953	0.4665
humb_1	0.0272	0.7558	0.2059	0.5396
TUD_800noTitle	0.0043	0.7142	0.1021	0.3930
run id	**P**	**R**	**MAP**	**nDCG**

Table 19: Measures for bundle XL, task DE

run id	P	R	MAP	nDCG
humb_1	0.0278	0.7610	0.2092	0.5465
TUD_800noTitle	0.0044	0.7194	0.1086	0.4034
run id	**P**	**R**	**MAP**	**nDCG**

Table 20: Measures for bundle S, task DE

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0169	0.1012	0.0769	0.0207	0.5417	0.0958	0.1386	0.3613	0.0911	0.4662
humb_1	0.0281	0.2108	0.1472	0.0300	0.7523	0.2103	0.2863	0.5557	0.2050	0.5412
TUD_800noTitle	0.0044	0.0960	0.0720	0.0214	0.7230	0.0896	0.1369	0.3848	0.0921	0.3783
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 21: Measures for bundle M, task DE

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0173	0.1027	0.0774	0.0205	0.5360	0.0984	0.1450	0.3684	0.0953	0.4665
humb_1	0.0272	0.2086	0.1459	0.0301	0.7558	0.2077	0.2814	0.5519	0.2059	0.5396
TUD_800noTitle	0.0043	0.1030	0.0756	0.0216	0.7142	0.1022	0.1476	0.3934	0.1021	0.3930
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 22: Measures for bundle XL, task DE

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
humb_1	0.0278	0.2122	0.1467	0.0309	0.7610	0.2102	0.2833	0.5613	0.2092	0.5465
TUD_800noTitle	0.0044	0.1114	0.0812	0.0231	0.7194	0.1068	0.1526	0.4104	0.1086	0.4034
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 23: Measures for bundle S, highly-relevant, task DE

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0092	0.5556	0.0950	0.4662
humb_1	0.0174	0.7852	0.2044	0.5412
TUD_800noTitle	0.0026	0.7494	0.0919	0.3783
run id	P	R	MAP	nDCG

Table 24: Measures for bundle M, highly-relevant, task DE

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0107	0.5612	0.1001	0.4665
humb_1	0.0165	0.7897	0.2034	0.5396
TUD_800noTitle	0.0025	0.7379	0.1002	0.3930
run id	P	R	MAP	nDCG

Table 25: Measures for bundle XL, highly-relevant, task DE

run id	P	R	MAP	nDCG
humb_1	0.0174	0.7865	0.1990	0.5465
TUD_800noTitle	0.0026	0.7420	0.1081	0.4034
run id	P	R	MAP	nDCG

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0092	0.0675	0.0502	0.0125	0.5556	0.1233	0.1693	0.3888	0.0950	0.4662
humb_1	0.0174	0.1412	0.0946	0.0183	0.7852	0.2435	0.3186	0.5844	0.2044	0.5412
TUD_800noTitle	0.0026	0.0608	0.0436	0.0130	0.7494	0.1050	0.1525	0.4030	0.0919	0.3783
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 26: Measures for bundle S, highly-relevant, task DE

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0107	0.0693	0.0510	0.0128	0.5612	0.1233	0.1716	0.3971	0.1001	0.4665
humb_1	0.0165	0.1380	0.0926	0.0182	0.7897	0.2393	0.3147	0.5887	0.2034	0.5396
TUD_800noTitle	0.0025	0.0658	0.0471	0.0134	0.7379	0.1182	0.1661	0.4161	0.1002	0.3930
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 27: Measures for bundle M, highly-relevant, task DE

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
humb_1	0.0174	0.1397	0.0941	0.0190	0.7865	0.2328	0.3079	0.5871	0.1990	0.5465
TUD_800noTitle	0.0026	0.0739	0.0527	0.0145	0.7420	0.1222	0.1703	0.4359	0.1081	0.4034
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 28: Measures for bundle XL, highly-relevant, task DE

Table 29: Measures for bundle S, task EN

run id	P	R	MAP	nDCG
clefip-run_ClaimsBOW	0.0129	0.2201	0.0540	0.4567
hcuge_BiTeM	0.0134	0.5838	0.1025	0.4518
humb_1	0.0281	0.7569	0.2292	0.5469
TUD_800noTitle	0.0045	0.7385	0.0983	0.3841
UAIC_MethodAnew	0.0004	0.0670	0.0094	0.1877
run id	P	R	MAP	nDCG

Table 30: Measures for bundle M, task EN

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0138	0.5784	0.1112	0.4749
humb_1	0.0272	0.7602	0.2343	0.5537
TUD_800noTitle	0.0044	0.7335	0.1104	0.4043
run id	P	R	MAP	nDCG

Table 31: Measures for bundle XL, task EN

run id	P	R	MAP	nDCG
humb_1	0.0278	0.7637	0.2358	0.5578
TUD_800noTitle	0.0045	0.7382	0.1163	0.4125
run id	P	R	MAP	nDCG

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-run_ClaimsBOW	0.0129	0.0668	0.0494	0.0129	0.2201	0.0566	0.0815	0.2201	0.0540	0.4567
hcuge_BiTeM	0.0134	0.1176	0.0854	0.0223	0.5838	0.1050	0.1493	0.3891	0.1025	0.4518
humb_1	0.0281	0.2352	0.1552	0.0314	0.7569	0.2321	0.2976	0.5709	0.2292	0.5469
TUD_800noTitle	0.0045	0.1068	0.0768	0.0235	0.7385	0.0985	0.1396	0.4146	0.0983	0.3841
UAIC_MethodAnew	0.0004	0.0152	0.0090	0.0023	0.0670	0.0118	0.0150	0.0342	0.0094	0.1877
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 32: Measures for bundle S, task EN

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0138	0.1214	0.0885	0.0227	0.5784	0.1134	0.1629	0.4060	0.1112	0.4749
humb_1	0.0272	0.2356	0.1563	0.0311	0.7602	0.2350	0.3044	0.5712	0.2343	0.5537
TUD_800noTitle	0.0044	0.1130	0.0814	0.0237	0.7335	0.1100	0.1544	0.4295	0.1104	0.4043
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 33: Measures for bundle M, task EN

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
humb_1	0.0278	0.2365	0.1575	0.0319	0.7637	0.2350	0.3048	0.5798	0.2358	0.5578
TUD_800noTitle	0.0045	0.1183	0.0875	0.0248	0.7382	0.1136	0.1645	0.4400	0.1163	0.4125
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 34: Measures for bundle XL, task EN

Table 35: Measures for bundle S, highly-relevant, task EN

run id	P	R	MAP	nDCG
clefip-run_ClaimsBOW	0.0080	0.2479	0.0646	0.4567
hcuge_BiTeM	0.0081	0.6087	0.1047	0.4518
humb_1	0.0174	0.7930	0.2494	0.5469
TUD_800noTitle	0.0026	0.7629	0.1040	0.3841
UAIC_MethodAnew	0.0002	0.0707	0.0091	0.1877
run id	P	R	MAP	nDCG

Table 36: Measures for bundle M, highly-relevant, task EN

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0086	0.6041	0.1149	0.4749
humb_1	0.0165	0.7958	0.2517	0.5537
TUD_800noTitle	0.0026	0.7607	0.1144	0.4043
run id	P	R	MAP	nDCG

Table 37: Measures for bundle XL, highly-relevant, task EN

run id	P	R	MAP	nDCG
humb_1	0.0175	0.7913	0.2443	0.5578
TUD_800noTitle	0.0027	0.7616	0.1162	0.4125
run id	P	R	MAP	nDCG

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
clefip-run_ClaimsBOW	0.0080	0.0428	0.0314	0.0080	0.2479	0.0777	0.1074	0.2479	0.0646	0.4567
hcuge_BiTeM	0.0081	0.0740	0.0528	0.0136	0.6087	0.1289	0.1761	0.4259	0.1047	0.4518
humb_1	0.0174	0.1628	0.1042	0.0192	0.7930	0.2848	0.3491	0.6058	0.2494	0.5469
TUD_800noTitle	0.0026	0.0664	0.0458	0.0141	0.7629	0.1176	0.1551	0.4380	0.1040	0.3841
UAIC_MethodAnew	0.0002	0.0072	0.0046	0.0011	0.0707	0.0113	0.0151	0.0348	0.0091	0.1877
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 38: Measures for bundle S, highly-relevant, task EN

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0086	0.0798	0.0573	0.0140	0.6041	0.1401	0.1926	0.4333	0.1149	0.4749
humb_1	0.0165	0.1616	0.1039	0.0190	0.7958	0.2878	0.3605	0.6132	0.2517	0.5537
TUD_800noTitle	0.0026	0.0734	0.0509	0.0145	0.7607	0.1315	0.1762	0.4557	0.1144	0.4043
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 39: Measures for bundle M, highly-relevant, task EN

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
humb_1	0.0175	0.1628	0.1051	0.0200	0.7913	0.2774	0.3475	0.6155	0.2443	0.5578
TUD_800noTitle	0.0027	0.0784	0.0568	0.0155	0.7616	0.1303	0.1843	0.4658	0.1162	0.4125
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 40: Measures for bundle XL, highly-relevant, task EN

Table 41: Measures for bundle S, task FR

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0140	0.5577	0.0926	0.4476
humb_1	0.0281	0.7527	0.1762	0.5306
TUD_800noTitle	0.0043	0.7113	0.0870	0.3723
run id	P	R	MAP	nDCG

Table 42: Measures for bundle M, task FR

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0142	0.5445	0.1000	0.4667
humb_1	0.0271	0.7551	0.1819	0.5347
TUD_800noTitle	0.0043	0.7092	0.0975	0.3926
run id	P	R	MAP	nDCG

Table 43: Measures for bundle XL, task FR

run id	P	R	MAP	nDCG
humb_1	0.0278	0.7606	0.1787	0.5347
TUD_800noTitle	0.0043	0.7141	0.1005	0.3981
run id	P	R	MAP	nDCG

Table 44: Measures for bundle S, task FR

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0140	0.1058	0.0772	0.0207	0.5577	0.0942	0.1354	0.3648	0.0926	0.4476
humb_1	0.0281	0.1812	0.1326	0.0299	0.7527	0.1805	0.2617	0.5508	0.1762	0.5306
TUD_800noTitle	0.0043	0.0860	0.0678	0.0214	0.7113	0.0800	0.1251	0.3815	0.0870	0.3723
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 45: Measures for bundle M, task FR

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0142	0.1092	0.0800	0.0210	0.5445	0.1018	0.1460	0.3731	0.1000	0.4667
humb_1	0.0271	0.1858	0.1324	0.0296	0.7551	0.1871	0.2609	0.5456	0.1819	0.5347
TUD_800noTitle	0.0043	0.0962	0.0720	0.0212	0.7092	0.0969	0.1402	0.3871	0.0975	0.3926
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 46: Measures for bundle XL, task FR

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
humb_1	0.0278	0.1855	0.1338	0.0304	0.7606	0.1838	0.2598	0.5549	0.1787	0.5347
TUD_800noTitle	0.0043	0.1036	0.0774	0.0226	0.7141	0.0993	0.1453	0.4030	0.1005	0.3981
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 47: Measures for bundle S, highly-relevant, task FR

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0087	0.5830	0.0988	0.4476
humb_1	0.0174	0.7887	0.1728	0.5306
TUD_800noTitle	0.0025	0.7304	0.0868	0.3723
run id	P	R	MAP	nDCG

Table 48: Measures for bundle M, highly-relevant, task FR

run id	P	R	MAP	nDCG
hcuge_BiTeM	0.0089	0.5712	0.1046	0.4667
humb_1	0.0165	0.7914	0.1774	0.5347
TUD_800noTitle	0.0025	0.7271	0.0958	0.3926
run id	P	R	MAP	nDCG

Table 49: Measures for bundle XL, highly-relevant, task FR

run id	P	R	MAP	nDCG
humb_1	0.0174	0.7867	0.1724	0.5347
TUD_800noTitle	0.0026	0.7351	0.0996	0.3981
run id	P	R	MAP	nDCG

Table 50: Measures for bundle S, highly-relevant, task FR

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0087	0.0665	0.0469	0.0127	0.5830	0.1242	0.1638	0.3961	0.0988	0.4476
humb_1	0.0174	0.1180	0.0826	0.0185	0.7887	0.2104	0.2884	0.5890	0.1728	0.5306
TUD_800noTitle	0.0025	0.0544	0.0428	0.0127	0.7304	0.0933	0.1413	0.3952	0.0868	0.3723
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 51: Measures for bundle M, highly-relevant, task FR

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
hcuge_BiTeM	0.0089	0.0713	0.0507	0.0131	0.5712	0.1283	0.1730	0.4086	0.1046	0.4667
humb_1	0.0165	0.1206	0.0825	0.0181	0.7914	0.2137	0.2835	0.5835	0.1774	0.5347
TUD_800noTitle	0.0025	0.0636	0.0466	0.0130	0.7271	0.1151	0.1603	0.4066	0.0958	0.3926
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

Table 52: Measures for bundle XL, highly-relevant, task FR

run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG
humb_1	0.0174	0.1232	0.0867	0.0189	0.7867	0.2080	0.2852	0.5834	0.1724	0.5347
TUD_800noTitle	0.0026	0.0689	0.0504	0.0143	0.7351	0.1148	0.1619	0.4298	0.0996	0.3981
run id	P	P5	P10	P100	R	R5	R10	R100	MAP	nDCG

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