

# OKSAT-WEB-F-06

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	OKSAT-WEB-F-06
Subtask	I-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	44444
Relevant:	2492
Rel-ret:	1475

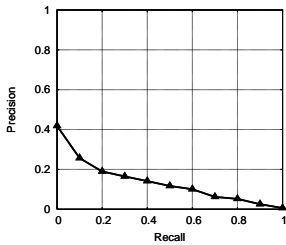
Summary Statistics	
Run ID	OKSAT-WEB-F-06
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	44444
Relevant:	3706
Rel-ret:	2269

Recall Level Precision Averages	
Recall	Precision
0.00	0.4181
0.10	0.2565
0.20	0.1895
0.30	0.1648
0.40	0.1412
0.50	0.1167
0.60	0.1004
0.70	0.0620
0.80	0.0519
0.90	0.0254
1.00	0.0061
Average precision over all relevant documents	
non-interpolated	0.1236

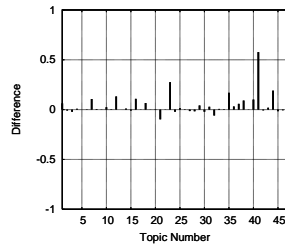
Document Level Averages	
	Precision
At 5 docs	0.2043
At 10 docs	0.2043
At 15 docs	0.1844
At 20 docs	0.1691
At 30 docs	0.1652
At 100 docs	0.1170
At 200 docs	0.0881
At 500 docs	0.0524
At 1000 docs	0.0314
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1473

Recall Level Precision Averages	
Recall	Precision
0.00	0.5313
0.10	0.3412
0.20	0.2643
0.30	0.1942
0.40	0.1562
0.50	0.1299
0.60	0.1139
0.70	0.0864
0.80	0.0665
0.90	0.0307
1.00	0.0043
Average precision over all relevant documents	
non-interpolated	0.1559

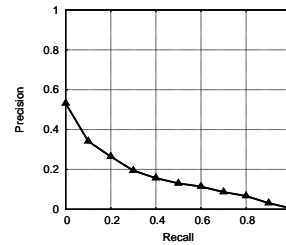
Document Level Averages	
	Precision
At 5 docs	0.3191
At 10 docs	0.3085
At 15 docs	0.2794
At 20 docs	0.2574
At 30 docs	0.2383
At 100 docs	0.1685
At 200 docs	0.1326
At 500 docs	0.0803
At 1000 docs	0.0483
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1902



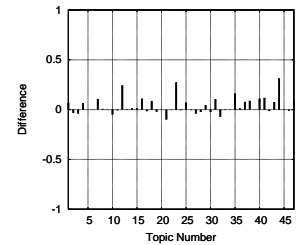
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)\*

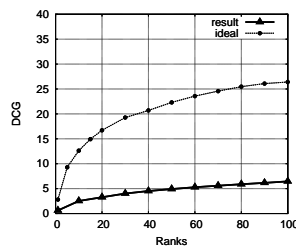


Recall-Precision Curve



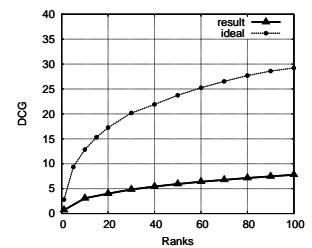
Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.6170
At 10 docs	2.5244
At 20 docs	3.2697
At 30 docs	4.0097
At 40 docs	4.5190
At 50 docs	4.9167
At 60 docs	5.2807
At 70 docs	5.5905
At 80 docs	5.8836
At 90 docs	6.1587
At 100 docs	6.4498
At 200 docs	8.2190
At 500 docs	10.3447
At 1000 docs	11.4801



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 0$ )

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.7021
At 10 docs	3.0692
At 20 docs	4.0012
At 30 docs	4.8321
At 40 docs	5.4236
At 50 docs	5.9297
At 60 docs	6.3787
At 70 docs	6.7556
At 80 docs	7.1341
At 90 docs	7.4590
At 100 docs	7.7792
At 200 docs	10.0578
At 500 docs	12.8039
At 1000 docs	14.2475



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 1$ )

\* Topic Numbers: ( 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 )  
 Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,56,57,58,59,60,61,62,63 )

## (2) Evaluation Result with Considering Links

Summary Statistics	
Run ID	OKSAT-WEB-F-06
Subtask	I-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	44444
Relevant:	3558
Rel-ret:	1892

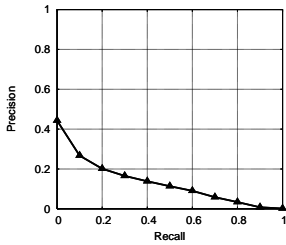
Summary Statistics	
Run ID	OKSAT-WEB-F-06
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	44444
Relevant:	4928
Rel-ret:	2753

Recall Level Precision Averages	
Recall	Precision
0.00	0.4430
0.10	0.2672
0.20	0.2013
0.30	0.1653
0.40	0.1383
0.50	0.1136
0.60	0.0903
0.70	0.0584
0.80	0.0339
0.90	0.0078
1.00	0.0015
Average precision over all relevant documents	
non-interpolated	0.1206

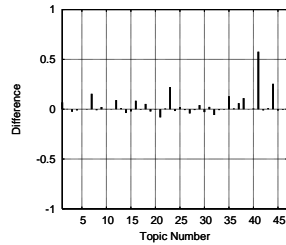
Document Level Averages	
	Precision
At 5 docs	0.2340
At 10 docs	0.2383
At 15 docs	0.2142
At 20 docs	0.1979
At 30 docs	0.1879
At 100 docs	0.1355
At 200 docs	0.1064
At 500 docs	0.0654
At 1000 docs	0.0403
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1607

Recall Level Precision Averages	
Recall	Precision
0.00	0.5578
0.10	0.3384
0.20	0.2371
0.30	0.1798
0.40	0.1469
0.50	0.1200
0.60	0.0949
0.70	0.0751
0.80	0.0418
0.90	0.0077
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1418

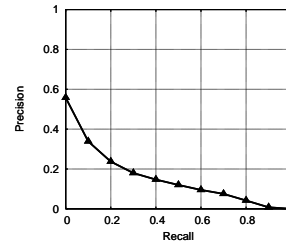
Document Level Averages	
	Precision
At 5 docs	0.3404
At 10 docs	0.3319
At 15 docs	0.3021
At 20 docs	0.2798
At 30 docs	0.2582
At 100 docs	0.1870
At 200 docs	0.1503
At 500 docs	0.0944
At 1000 docs	0.0586
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1910



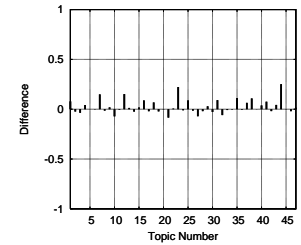
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)\*

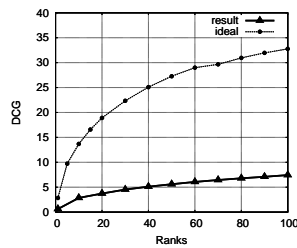


Recall-Precision Curve



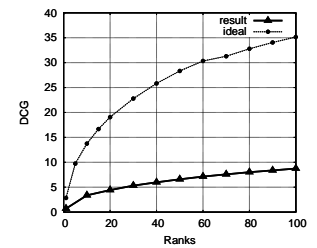
Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.6170
At 10 docs	2.8535
At 20 docs	3.7264
At 30 docs	4.5229
At 40 docs	5.1025
At 50 docs	5.5927
At 60 docs	6.0558
At 70 docs	6.4433
At 80 docs	6.7878
At 90 docs	7.0895
At 100 docs	7.4291
At 200 docs	9.7575
At 500 docs	12.6726
At 1000 docs	14.3643



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 0$ )

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.7021
At 10 docs	3.3658
At 20 docs	4.4204
At 30 docs	5.3169
At 40 docs	5.9786
At 50 docs	6.5848
At 60 docs	7.1255
At 70 docs	7.5764
At 80 docs	8.0097
At 90 docs	8.3678
At 100 docs	8.7430
At 200 docs	11.5691
At 500 docs	15.1945
At 1000 docs	17.2782



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 1$ )

\* Topic Numbers: ( 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 )  
 Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,56,57,58,59,60,61,62,63 )