

# UAIFI2

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	UAIFI2
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:	47000
Relevant:	2492
Rel-ret:	1427

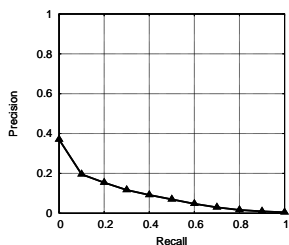
Summary Statistics	
Run ID	UAIFI2
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3706
Rel-ret:	2135

Recall Level Precision Averages	
Recall	Precision
0.00	0.3701
0.10	0.1953
0.20	0.1537
0.30	0.1168
0.40	0.0918
0.50	0.0696
0.60	0.0475
0.70	0.0296
0.80	0.0165
0.90	0.0095
1.00	0.0048
Average precision over all relevant documents	
non-interpolated	0.0843

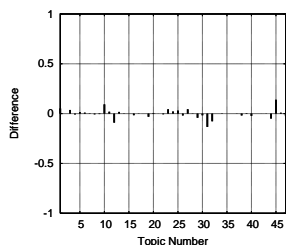
Document Level Averages	
	Precision
At 5 docs	0.1787
At 10 docs	0.1830
At 15 docs	0.1645
At 20 docs	0.1606
At 30 docs	0.1461
At 100 docs	0.1038
At 200 docs	0.0777
At 500 docs	0.0487
At 1000 docs	0.0304
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1256

Recall Level Precision Averages	
Recall	Precision
0.00	0.4653
0.10	0.2785
0.20	0.2161
0.30	0.1806
0.40	0.1412
0.50	0.1061
0.60	0.0664
0.70	0.0372
0.80	0.0095
0.90	0.0008
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1184

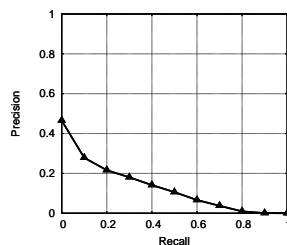
Document Level Averages	
	Precision
At 5 docs	0.2723
At 10 docs	0.2745
At 15 docs	0.2525
At 20 docs	0.2426
At 30 docs	0.2213
At 100 docs	0.1626
At 200 docs	0.1204
At 500 docs	0.0729
At 1000 docs	0.0454
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1772



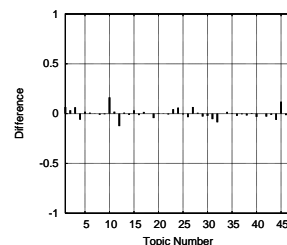
Recall-Precision Curve



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

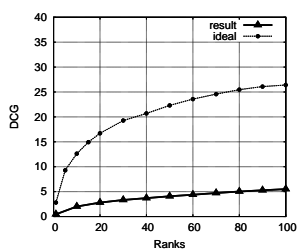


Recall-Precision Curve



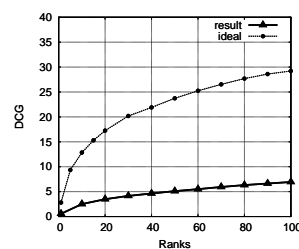
Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.4468
At 10 docs	2.0094
At 20 docs	2.7987
At 30 docs	3.3263
At 40 docs	3.6986
At 50 docs	4.0673
At 60 docs	4.3800
At 70 docs	4.7193
At 80 docs	5.0229
At 90 docs	5.2716
At 100 docs	5.5013
At 200 docs	7.0210
At 500 docs	9.2591
At 1000 docs	10.5842



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	0.5532
At 10 docs	2.5031
At 20 docs	3.4786
At 30 docs	4.1381
At 40 docs	4.6306
At 50 docs	5.0960
At 60 docs	5.4971
At 70 docs	5.9282
At 80 docs	6.3171
At 90 docs	6.6224
At 100 docs	6.9297
At 200 docs	8.8214
At 500 docs	11.4889
At 1000 docs	13.1267



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	UAIFI2
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:	47000
Relevant:	3558
Rel-ret:	1886

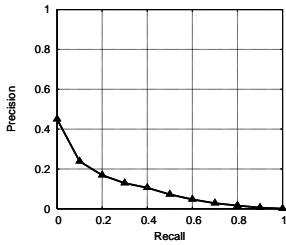
Summary Statistics	
Run ID	UAIFI2
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	4928
Rel-ret:	2629

Recall Level Precision Averages	
Recall	Precision
0.00	0.4498
0.10	0.2383
0.20	0.1687
0.30	0.1290
0.40	0.1057
0.50	0.0724
0.60	0.0473
0.70	0.0281
0.80	0.0164
0.90	0.0060
1.00	0.0010
Average precision over all relevant documents	
non-interpolated	0.0928

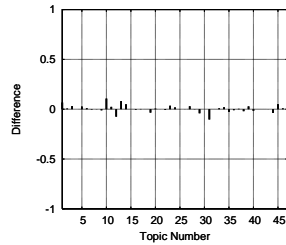
Document Level Averages	
	Precision
At 5 docs	0.2255
At 10 docs	0.2319
At 15 docs	0.2085
At 20 docs	0.2011
At 30 docs	0.1830
At 100 docs	0.1332
At 200 docs	0.1006
At 500 docs	0.0629
At 1000 docs	0.0401
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1461

Recall Level Precision Averages	
Recall	Precision
0.00	0.5363
0.10	0.2944
0.20	0.2282
0.30	0.1771
0.40	0.1417
0.50	0.0936
0.60	0.0555
0.70	0.0261
0.80	0.0035
0.90	0
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1201

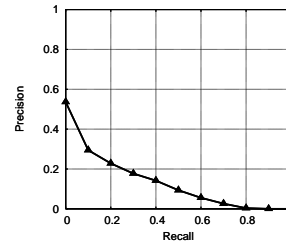
Document Level Averages	
	Precision
At 5 docs	0.3106
At 10 docs	0.3213
At 15 docs	0.2965
At 20 docs	0.2840
At 30 docs	0.2589
At 100 docs	0.1926
At 200 docs	0.1450
At 500 docs	0.0889
At 1000 docs	0.0559
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1903



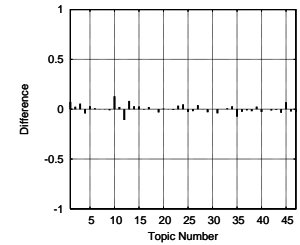
Recall-Precision Curve



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

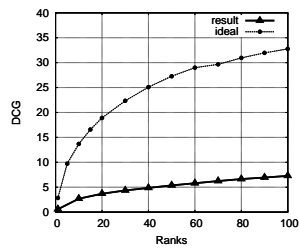


Recall-Precision Curve



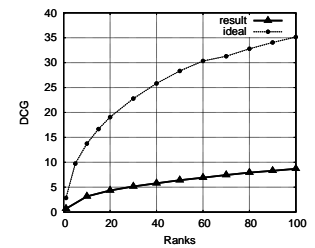
Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.5745
At 10 docs	2.6879
At 20 docs	3.6818
At 30 docs	4.3504
At 40 docs	4.8507
At 50 docs	5.3653
At 60 docs	5.7885
At 70 docs	6.2301
At 80 docs	6.6293
At 90 docs	6.9379
At 100 docs	7.2712
At 200 docs	9.2993
At 500 docs	12.1870
At 1000 docs	14.1109



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	0.6809
At 10 docs	3.1540
At 20 docs	4.3448
At 30 docs	5.1450
At 40 docs	5.7822
At 50 docs	6.4012
At 60 docs	6.9127
At 70 docs	7.4461
At 80 docs	7.9306
At 90 docs	8.2922
At 100 docs	8.6934
At 200 docs	11.1292
At 500 docs	14.5147
At 1000 docs	16.7356



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 )