

# UAIFI3

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	UAIFI3
Subtask	I-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	2492
Rel-ret:	1393

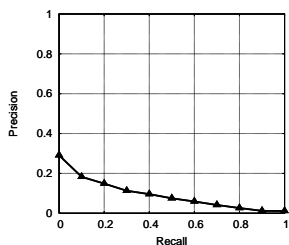
Summary Statistics	
Run ID	UAIFI3
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3706
Rel-ret:	2166

Recall Level Precision Averages	
Recall	Precision
0.00	0.2909
0.10	0.1828
0.20	0.1488
0.30	0.1129
0.40	0.0959
0.50	0.0750
0.60	0.0591
0.70	0.0416
0.80	0.0261
0.90	0.0121
1.00	0.0114
Average precision over all relevant documents	
non-interpolated	0.0815

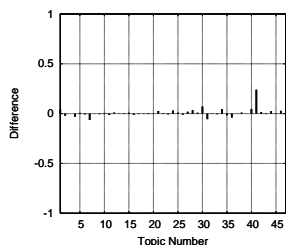
Document Level Averages	
	Precision
At 5 docs	0.1532
At 10 docs	0.1426
At 15 docs	0.1362
At 20 docs	0.1404
At 30 docs	0.1298
At 100 docs	0.1017
At 200 docs	0.0809
At 500 docs	0.0489
At 1000 docs	0.0296
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1204

Recall Level Precision Averages	
Recall	Precision
0.00	0.4827
0.10	0.3133
0.20	0.2485
0.30	0.1988
0.40	0.1550
0.50	0.1131
0.60	0.0858
0.70	0.0605
0.80	0.0257
0.90	0.0040
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1346

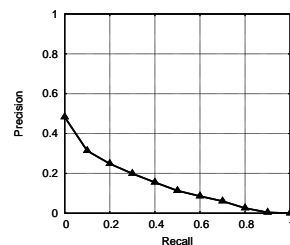
Document Level Averages	
	Precision
At 5 docs	0.3106
At 10 docs	0.2830
At 15 docs	0.2667
At 20 docs	0.2564
At 30 docs	0.2305
At 100 docs	0.1674
At 200 docs	0.1294
At 500 docs	0.0768
At 1000 docs	0.0461
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1913



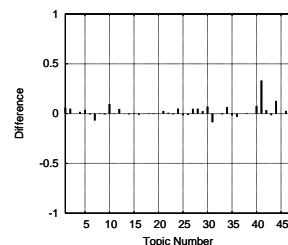
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*

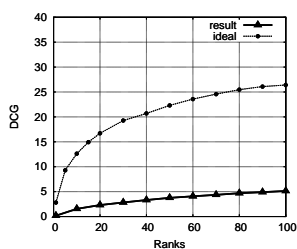


Recall-Precision Curve



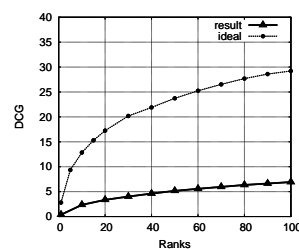
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.1702
At 10 docs	1.5409
At 20 docs	2.3070
At 30 docs	2.8190
At 40 docs	3.3126
At 50 docs	3.7506
At 60 docs	4.0586
At 70 docs	4.3587
At 80 docs	4.6825
At 90 docs	4.8947
At 100 docs	5.1242
At 200 docs	6.8866
At 500 docs	8.9607
At 1000 docs	10.1186



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	0.3617
At 10 docs	2.3470
At 20 docs	3.3497
At 30 docs	4.0113
At 40 docs	4.6086
At 50 docs	5.1506
At 60 docs	5.5684
At 70 docs	5.9531
At 80 docs	6.3350
At 90 docs	6.6234
At 100 docs	6.9208
At 200 docs	9.1191
At 500 docs	11.7106
At 1000 docs	13.1294



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	UAIFI3
Subtask	I-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3558
Rel-ret:	1916

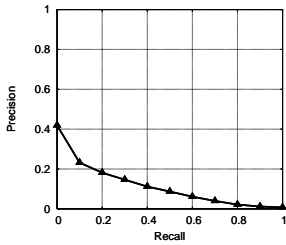
Summary Statistics	
Run ID	UAIFI3
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	4928
Rel-ret:	2727

Recall Level Precision Averages	
Recall	Precision
0.00	0.4187
0.10	0.2317
0.20	0.1814
0.30	0.1463
0.40	0.1118
0.50	0.0869
0.60	0.0610
0.70	0.0397
0.80	0.0214
0.90	0.0116
1.00	0.0071
Average precision over all relevant documents	
non-interpolated	0.0981

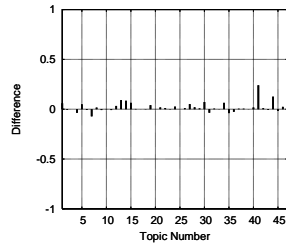
Document Level Averages	
	Precision
At 5 docs	0.2170
At 10 docs	0.1872
At 15 docs	0.1844
At 20 docs	0.1883
At 30 docs	0.1716
At 100 docs	0.1360
At 200 docs	0.1080
At 500 docs	0.0664
At 1000 docs	0.0408
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1477

Recall Level Precision Averages	
Recall	Precision
0.00	0.5842
0.10	0.3291
0.20	0.2649
0.30	0.2087
0.40	0.1524
0.50	0.1074
0.60	0.0730
0.70	0.0487
0.80	0.0087
0.90	0
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1358

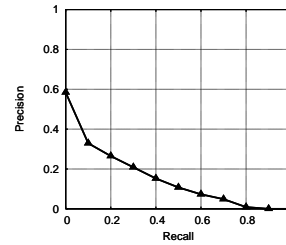
Document Level Averages	
	Precision
At 5 docs	0.3617
At 10 docs	0.3191
At 15 docs	0.3106
At 20 docs	0.3000
At 30 docs	0.2709
At 100 docs	0.2006
At 200 docs	0.1565
At 500 docs	0.0953
At 1000 docs	0.0580
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2057



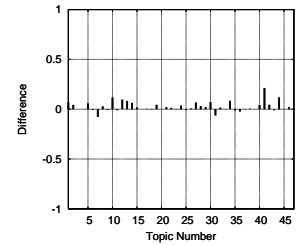
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*

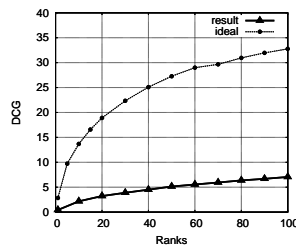


Recall-Precision Curve



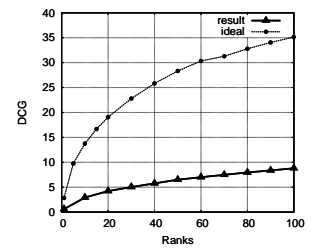
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*

Discounted ( $\log_2$ ) Cumulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.4255
At 10 docs	2.1654
At 20 docs	3.2228
At 30 docs	3.8762
At 40 docs	4.5058
At 50 docs	5.1333
At 60 docs	5.5405
At 70 docs	5.9358
At 80 docs	6.3552
At 90 docs	6.6835
At 100 docs	7.0491
At 200 docs	9.4284
At 500 docs	12.4047
At 1000 docs	14.0841



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

Discounted ( $\log_2$ ) Cumulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.5957
At 10 docs	2.9232
At 20 docs	4.2183
At 30 docs	5.0307
At 40 docs	5.7599
At 50 docs	6.4991
At 60 docs	7.0018
At 70 docs	7.4782
At 80 docs	7.9556
At 90 docs	8.3600
At 100 docs	8.7967
At 200 docs	11.6269
At 500 docs	15.1753
At 1000 docs	17.1530



Discounted Cumulative 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 )