

# NAICR-II-A1-4

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	NAICR-II-A1-4
Subtask	II-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	45
Total number of documents over all topics	
Retrieved:	45000
Relevant:	521
Rel-ret:	323

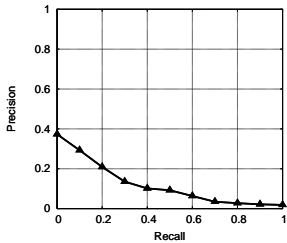
Summary Statistics	
Run ID	NAICR-II-A1-4
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	46
Total number of documents over all topics	
Retrieved:	46000
Relevant:	812
Rel-ret:	509

Recall Level Precision Averages	
Recall	Precision
0.00	0.3730
0.10	0.2929
0.20	0.2088
0.30	0.1354
0.40	0.1012
0.50	0.0921
0.60	0.0632
0.70	0.0344
0.80	0.0272
0.90	0.0214
1.00	0.0185
Average precision over all relevant documents	
non-interpolated	0.1074

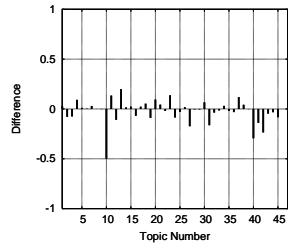
Document Level Averages	
	Precision
At 5 docs	0.1333
At 10 docs	0.1067
At 15 docs	0.1007
At 20 docs	0.0856
At 30 docs	0.0681
At 100 docs	0.0396
At 200 docs	0.0238
At 500 docs	0.0113
At 1000 docs	0.0072
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1014

Recall Level Precision Averages	
Recall	Precision
0.00	0.4769
0.10	0.3632
0.20	0.2549
0.30	0.2062
0.40	0.1332
0.50	0.0948
0.60	0.0747
0.70	0.0301
0.80	0.0180
0.90	0.0112
1.00	0.0031
Average precision over all relevant documents	
non-interpolated	0.1296

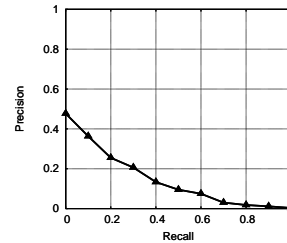
Document Level Averages	
	Precision
At 5 docs	0.2000
At 10 docs	0.1630
At 15 docs	0.1493
At 20 docs	0.1304
At 30 docs	0.1101
At 100 docs	0.0604
At 200 docs	0.0360
At 500 docs	0.0176
At 1000 docs	0.0111
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1611



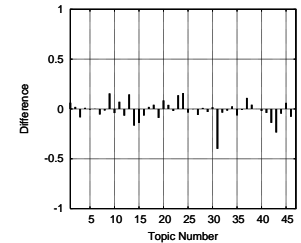
Recall-Precision Curve



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

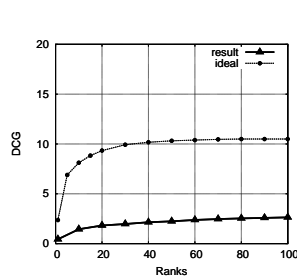


Recall-Precision Curve



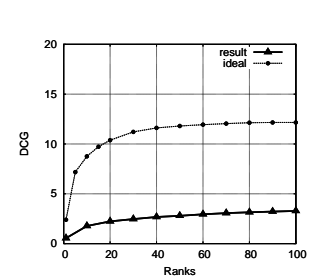
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.4348
At 10 docs	1.4417
At 20 docs	1.8161
At 30 docs	1.9663
At 40 docs	2.1438
At 50 docs	2.2385
At 60 docs	2.3743
At 70 docs	2.4644
At 80 docs	2.5307
At 90 docs	2.5814
At 100 docs	2.6343
At 200 docs	2.8655
At 500 docs	3.0900
At 1000 docs	3.4151



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	0.5435
At 10 docs	1.7688
At 20 docs	2.2301
At 30 docs	2.4604
At 40 docs	2.6716
At 50 docs	2.7903
At 60 docs	2.9412
At 70 docs	3.0600
At 80 docs	3.1438
At 90 docs	3.2148
At 100 docs	3.2776
At 200 docs	3.5615
At 500 docs	3.8724
At 1000 docs	4.2817



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 )  
 Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,58,59,60,61,62,63 )

\*\* 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 )  
 Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,57,58,59,60,61,62,63 )

## (2) Evaluation Result with Considering Links

Summary Statistics	
Run ID	NAICR-II-A1-4
Subtask	II-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	46
Total number of documents over all topics	
Retrieved:	46000
Relevant:	966
Rel-ret:	549

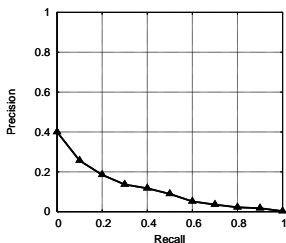
Summary Statistics	
Run ID	NAICR-II-A1-4
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1381
Rel-ret:	798

Recall Level Precision Averages	
Recall	Precision
0.00	0.3999
0.10	0.2565
0.20	0.1849
0.30	0.1363
0.40	0.1174
0.50	0.0891
0.60	0.0515
0.70	0.0355
0.80	0.0218
0.90	0.0173
1.00	0.0027
Average precision over all relevant documents	
non-interpolated	0.0986

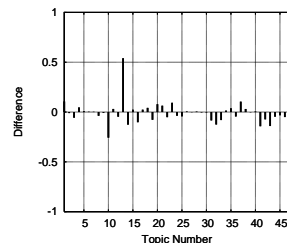
Document Level Averages	
	Precision
At 5 docs	0.1652
At 10 docs	0.1413
At 15 docs	0.1406
At 20 docs	0.1315
At 30 docs	0.1094
At 100 docs	0.0643
At 200 docs	0.0389
At 500 docs	0.0190
At 1000 docs	0.0119
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1360

Recall Level Precision Averages	
Recall	Precision
0.00	0.4931
0.10	0.3240
0.20	0.2242
0.30	0.1622
0.40	0.1216
0.50	0.0878
0.60	0.0586
0.70	0.0364
0.80	0.0204
0.90	0.0043
1.00	0.0014
Average precision over all relevant documents	
non-interpolated	0.1155

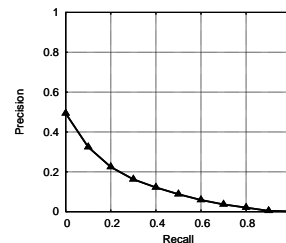
Document Level Averages	
	Precision
At 5 docs	0.2340
At 10 docs	0.2064
At 15 docs	0.2000
At 20 docs	0.1872
At 30 docs	0.1582
At 100 docs	0.0885
At 200 docs	0.0536
At 500 docs	0.0267
At 1000 docs	0.0170
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1636



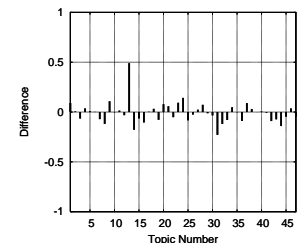
Recall-Precision Curve



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

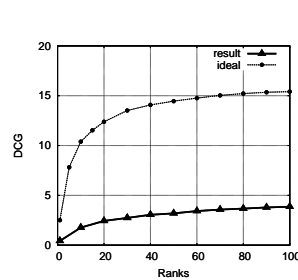


Recall-Precision Curve



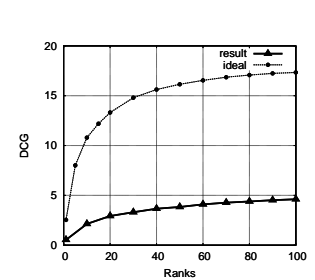
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.4255
At 10 docs	1.7645
At 20 docs	2.4350
At 30 docs	2.7343
At 40 docs	3.0493
At 50 docs	3.1888
At 60 docs	3.4247
At 70 docs	3.5730
At 80 docs	3.6686
At 90 docs	3.7845
At 100 docs	3.8590
At 200 docs	4.2480
At 500 docs	4.6765
At 1000 docs	5.2079



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	0.5319
At 10 docs	2.1331
At 20 docs	2.9286
At 30 docs	3.3062
At 40 docs	3.6582
At 50 docs	3.8326
At 60 docs	4.0942
At 70 docs	4.2671
At 80 docs	4.3833
At 90 docs	4.5158
At 100 docs	4.6065
At 200 docs	5.0735
At 500 docs	5.6197
At 1000 docs	6.2810



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 )

Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,56,58,59,60,61,62,63 )

\*\*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 )