

# NAICR-II-A2-3

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	NAICR-II-A2-3
Subtask	II-A2
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:	381

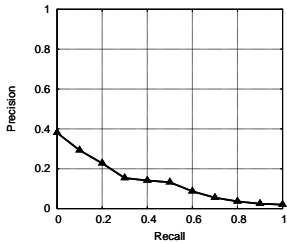
Summary Statistics	
Run ID	NAICR-II-A2-3
Subtask	II-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	46
Total number of documents over all topics	
Retrieved:	46000
Relevant:	812
Rel-ret:	607

Recall Level Precision Averages	
Recall	Precision
0.00	0.3805
0.10	0.2927
0.20	0.2275
0.30	0.1534
0.40	0.1409
0.50	0.1322
0.60	0.0868
0.70	0.0548
0.80	0.0361
0.90	0.0243
1.00	0.0199
Average precision over all relevant documents	
non-interpolated	0.1240

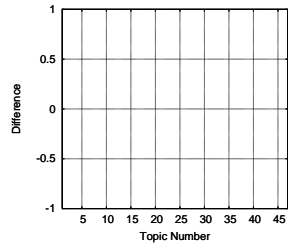
Document Level Averages	
	Precision
At 5 docs	0.1422
At 10 docs	0.1222
At 15 docs	0.1082
At 20 docs	0.0922
At 30 docs	0.0763
At 100 docs	0.0436
At 200 docs	0.0301
At 500 docs	0.0153
At 1000 docs	0.0085
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1258

Recall Level Precision Averages	
Recall	Precision
0.00	0.4921
0.10	0.3893
0.20	0.2740
0.30	0.2168
0.40	0.1722
0.50	0.1533
0.60	0.1241
0.70	0.0636
0.80	0.0516
0.90	0.0209
1.00	0.0160
Average precision over all relevant documents	
non-interpolated	0.1592

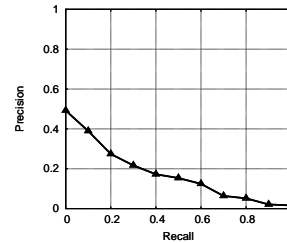
Document Level Averages	
	Precision
At 5 docs	0.2043
At 10 docs	0.1826
At 15 docs	0.1565
At 20 docs	0.1402
At 30 docs	0.1225
At 100 docs	0.0698
At 200 docs	0.0466
At 500 docs	0.0238
At 1000 docs	0.0132
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1685



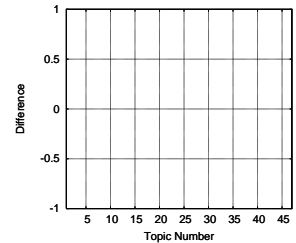
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 1 'automatic' and 'TITLE only' runs)\*

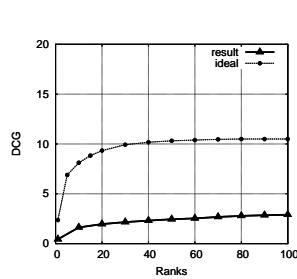


Recall-Precision Curve



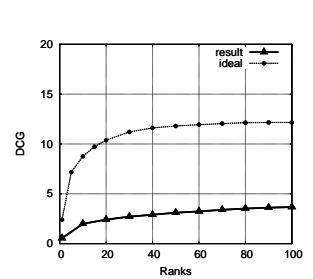
Difference from Median in Average Precision per Topic (over 1 'automatic' and 'TITLE only' runs)\*\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.4348
At 10 docs	1.6252
At 20 docs	1.9566
At 30 docs	2.1579
At 40 docs	2.3099
At 50 docs	2.4450
At 60 docs	2.5316
At 70 docs	2.6762
At 80 docs	2.7809
At 90 docs	2.8486
At 100 docs	2.8948
At 200 docs	3.3606
At 500 docs	3.7592
At 1000 docs	3.9338



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	1.9857
At 20 docs	2.4100
At 30 docs	2.7056
At 40 docs	2.9001
At 50 docs	3.1025
At 60 docs	3.2304
At 70 docs	3.3930
At 80 docs	3.5186
At 90 docs	3.6099
At 100 docs	3.6661
At 200 docs	4.2319
At 500 docs	4.7502
At 1000 docs	4.9755



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-A2-3
Subtask	II-A2
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:	662

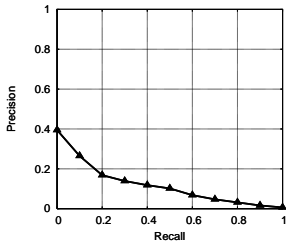
Summary Statistics	
Run ID	NAICR-II-A2-3
Subtask	II-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1381
Rel-ret:	966

Recall Level Precision Averages	
Recall	Precision
0.00	0.3945
0.10	0.2647
0.20	0.1682
0.30	0.1389
0.40	0.1180
0.50	0.1016
0.60	0.0680
0.70	0.0468
0.80	0.0315
0.90	0.0161
1.00	0.0061
Average precision over all relevant documents	
non-interpolated	0.1049

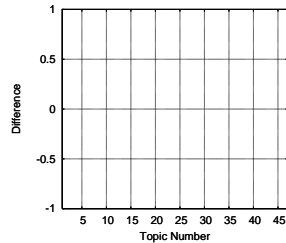
Document Level Averages	
	Precision
At 5 docs	0.1652
At 10 docs	0.1457
At 15 docs	0.1362
At 20 docs	0.1239
At 30 docs	0.1116
At 100 docs	0.0722
At 200 docs	0.0496
At 500 docs	0.0254
At 1000 docs	0.0144
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1319

Recall Level Precision Averages	
Recall	Precision
0.00	0.4962
0.10	0.3121
0.20	0.2228
0.30	0.1853
0.40	0.1510
0.50	0.1253
0.60	0.0910
0.70	0.0617
0.80	0.0394
0.90	0.0171
1.00	0.0057
Average precision over all relevant documents	
non-interpolated	0.1354

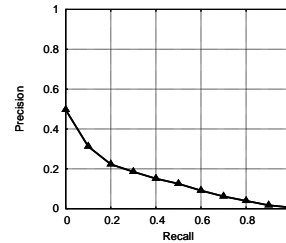
Document Level Averages	
	Precision
At 5 docs	0.2340
At 10 docs	0.2149
At 15 docs	0.1943
At 20 docs	0.1809
At 30 docs	0.1667
At 100 docs	0.1068
At 200 docs	0.0713
At 500 docs	0.0365
At 1000 docs	0.0206
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1751



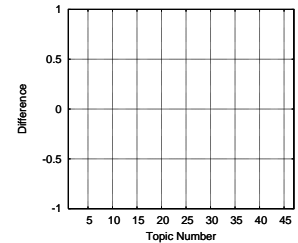
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 1 'automatic' and 'TITLE only' runs)\*

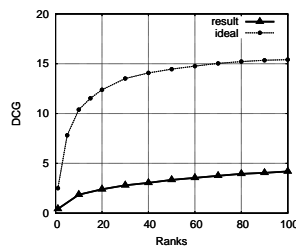


Recall-Precision Curve



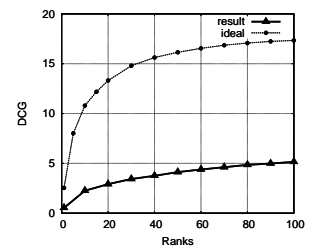
Difference from Median in Average Precision per Topic (over 1 'automatic' and 'TITLE only' runs)\*\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.4255
At 10 docs	1.8573
At 20 docs	2.3990
At 30 docs	2.7984
At 40 docs	3.0436
At 50 docs	3.3415
At 60 docs	3.5441
At 70 docs	3.7489
At 80 docs	3.9472
At 90 docs	4.0466
At 100 docs	4.1889
At 200 docs	4.9514
At 500 docs	5.6421
At 1000 docs	6.0097



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	0.5319
At 10 docs	2.2520
At 20 docs	2.9131
At 30 docs	3.4268
At 40 docs	3.7505
At 50 docs	4.1220
At 60 docs	4.3833
At 70 docs	4.6128
At 80 docs	4.8452
At 90 docs	4.9811
At 100 docs	5.1460
At 200 docs	6.0402
At 500 docs	6.8811
At 1000 docs	7.3188



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 )