

# NAICR-I-A2-1

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	NAICR-I-A2-1
Subtask	I-A2
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:	1442

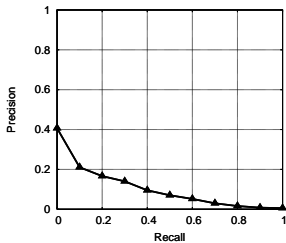
Summary Statistics	
Run ID	NAICR-I-A2-1
Subtask	I-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3706
Rel-ret:	2107

Recall Level Precision Averages	
Recall	Precision
0.00	0.4064
0.10	0.2106
0.20	0.1663
0.30	0.1400
0.40	0.0950
0.50	0.0702
0.60	0.0519
0.70	0.0298
0.80	0.0161
0.90	0.0079
1.00	0.0057
Average precision over all relevant documents	
non-interpolated	0.0908

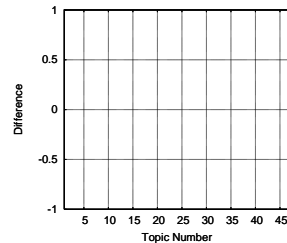
Document Level Averages	
	Precision
At 5 docs	0.1277
At 10 docs	0.1596
At 15 docs	0.1603
At 20 docs	0.1532
At 30 docs	0.1518
At 100 docs	0.1102
At 200 docs	0.0836
At 500 docs	0.0494
At 1000 docs	0.0307
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1356

Recall Level Precision Averages	
Recall	Precision
0.00	0.5349
0.10	0.2876
0.20	0.2122
0.30	0.1561
0.40	0.1259
0.50	0.0964
0.60	0.0687
0.70	0.0345
0.80	0.0144
0.90	0.0046
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1168

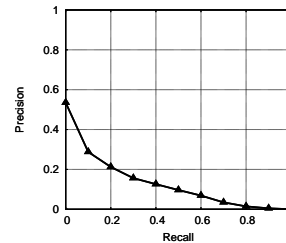
Document Level Averages	
	Precision
At 5 docs	0.2298
At 10 docs	0.2489
At 15 docs	0.2397
At 20 docs	0.2245
At 30 docs	0.2227
At 100 docs	0.1687
At 200 docs	0.1257
At 500 docs	0.0732
At 1000 docs	0.0448
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1788



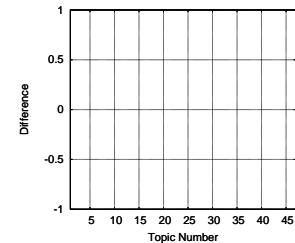
Recall-Precision Curve



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

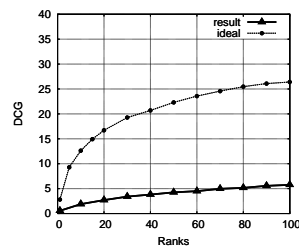


Recall-Precision Curve



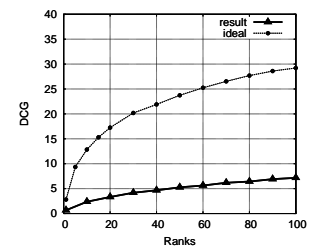
Difference from Median in Average Precision per Topic (over 1 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.5532
At 10 docs	1.8877
At 20 docs	2.6970
At 30 docs	3.3995
At 40 docs	3.8067
At 50 docs	4.2532
At 60 docs	4.4959
At 70 docs	4.9628
At 80 docs	5.1507
At 90 docs	5.5588
At 100 docs	5.7532
At 200 docs	7.4412
At 500 docs	9.4321
At 1000 docs	10.7333



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	0.6596
At 10 docs	2.3694
At 20 docs	3.3177
At 30 docs	4.1716
At 40 docs	4.6664
At 50 docs	5.2595
At 60 docs	5.6199
At 70 docs	6.1786
At 80 docs	6.4214
At 90 docs	6.9057
At 100 docs	7.1618
At 200 docs	9.2134
At 500 docs	11.6269
At 1000 docs	13.1620



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	NAICR-I-A2-1
Subtask	I-A2
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:	1874

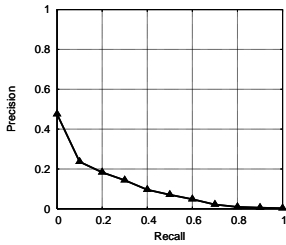
Summary Statistics	
Run ID	NAICR-I-A2-1
Subtask	I-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	4928
Rel-ret:	2588

Recall Level Precision Averages	
Recall	Precision
0.00	0.4751
0.10	0.2362
0.20	0.1832
0.30	0.1436
0.40	0.0960
0.50	0.0707
0.60	0.0483
0.70	0.0216
0.80	0.0096
0.90	0.0058
1.00	0.0030
Average precision over all relevant documents	
non-interpolated	0.0935

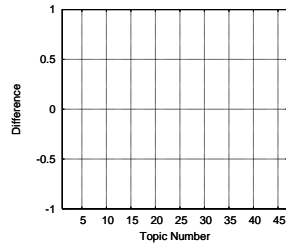
Document Level Averages	
	Precision
At 5 docs	0.1617
At 10 docs	0.1872
At 15 docs	0.1816
At 20 docs	0.1745
At 30 docs	0.1759
At 100 docs	0.1377
At 200 docs	0.1064
At 500 docs	0.0635
At 1000 docs	0.0399
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1537

Recall Level Precision Averages	
Recall	Precision
0.00	0.5816
0.10	0.2713
0.20	0.2119
0.30	0.1635
0.40	0.1289
0.50	0.0898
0.60	0.0543
0.70	0.0209
0.80	0.0061
0.90	0.0023
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1137

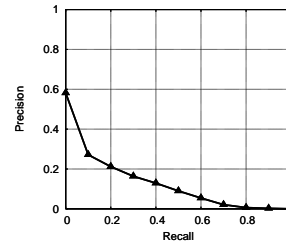
Document Level Averages	
	Precision
At 5 docs	0.2511
At 10 docs	0.2723
At 15 docs	0.2567
At 20 docs	0.2457
At 30 docs	0.2447
At 100 docs	0.1966
At 200 docs	0.1501
At 500 docs	0.0890
At 1000 docs	0.0551
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1904



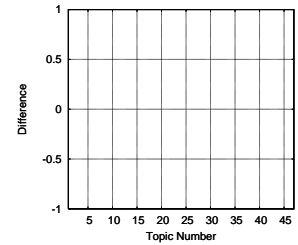
Recall-Precision Curve



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

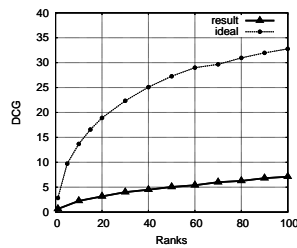


Recall-Precision Curve



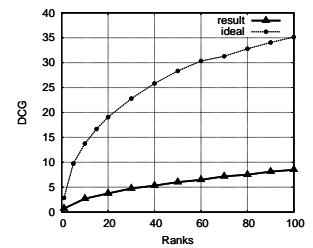
Difference from Median in Average Precision per Topic (over 1 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.6383
At 10 docs	2.2507
At 20 docs	3.1485
At 30 docs	4.0080
At 40 docs	4.4902
At 50 docs	5.0496
At 60 docs	5.3953
At 70 docs	6.0038
At 80 docs	6.2602
At 90 docs	6.8042
At 100 docs	7.0990
At 200 docs	9.3723
At 500 docs	12.0581
At 1000 docs	13.8678



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	0.7234
At 10 docs	2.6989
At 20 docs	3.7456
At 30 docs	4.7428
At 40 docs	5.3167
At 50 docs	6.0149
At 60 docs	6.4712
At 70 docs	7.1784
At 80 docs	7.5032
At 90 docs	8.1237
At 100 docs	8.4867
At 200 docs	11.1620
At 500 docs	14.3300
At 1000 docs	16.3983



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 )