

# NAICR-I-A2-2

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	NAICR-I-A2-2
Subtask	I-A2
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:	1320

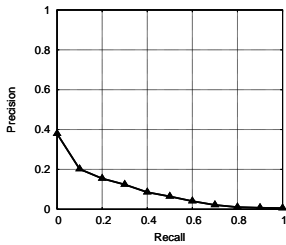
Summary Statistics	
Run ID	NAICR-I-A2-2
Subtask	I-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3706
Rel-ret:	1998

Recall Level Precision Averages	
Recall	Precision
0.00	0.3788
0.10	0.2017
0.20	0.1542
0.30	0.1240
0.40	0.0854
0.50	0.0643
0.60	0.0407
0.70	0.0214
0.80	0.0106
0.90	0.0073
1.00	0.0055
Average precision over all relevant documents	
non-interpolated	0.0823

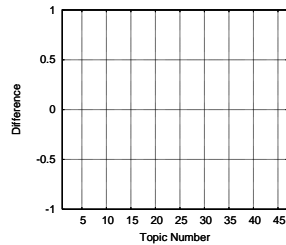
Document Level Averages	
	Precision
At 5 docs	0.1532
At 10 docs	0.1553
At 15 docs	0.1461
At 20 docs	0.1404
At 30 docs	0.1461
At 100 docs	0.0989
At 200 docs	0.0754
At 500 docs	0.0459
At 1000 docs	0.0281
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1214

Recall Level Precision Averages	
Recall	Precision
0.00	0.4604
0.10	0.2747
0.20	0.2043
0.30	0.1563
0.40	0.1236
0.50	0.0910
0.60	0.0592
0.70	0.0293
0.80	0.0102
0.90	0.0039
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1102

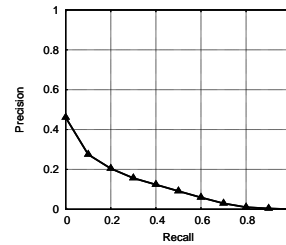
Document Level Averages	
	Precision
At 5 docs	0.2468
At 10 docs	0.2426
At 15 docs	0.2426
At 20 docs	0.2277
At 30 docs	0.2262
At 100 docs	0.1621
At 200 docs	0.1206
At 500 docs	0.0707
At 1000 docs	0.0425
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1718



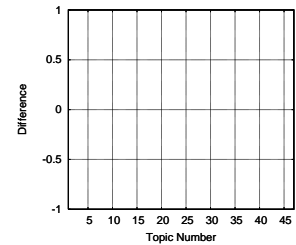
Recall-Precision Curve



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

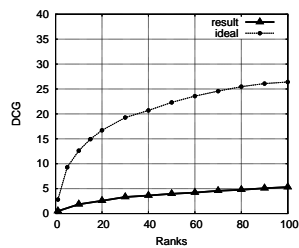


Recall-Precision Curve



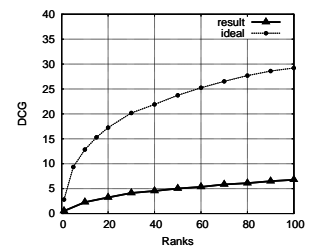
Difference from Median in Average Precision per Topic (over 1 'automatic' and 'TITLE only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.4894
At 10 docs	1.8524
At 20 docs	2.5654
At 30 docs	3.3196
At 40 docs	3.6123
At 50 docs	3.9636
At 60 docs	4.1992
At 70 docs	4.5634
At 80 docs	4.7711
At 90 docs	5.0767
At 100 docs	5.3067
At 200 docs	6.8593
At 500 docs	8.8288
At 1000 docs	9.9524



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	0.5106
At 10 docs	2.2838
At 20 docs	3.2253
At 30 docs	4.1215
At 40 docs	4.5305
At 50 docs	5.0207
At 60 docs	5.3445
At 70 docs	5.8392
At 80 docs	6.0985
At 90 docs	6.4937
At 100 docs	6.7786
At 200 docs	8.7129
At 500 docs	11.0840
At 1000 docs	12.4229



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-A2-2
Subtask	I-A2
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:	1784

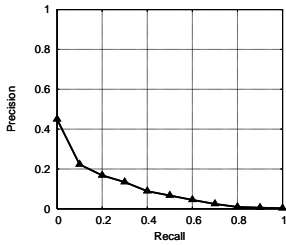
Summary Statistics	
Run ID	NAICR-I-A2-2
Subtask	I-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	4928
Rel-ret:	2504

Recall Level Precision Averages	
Recall	Precision
0.00	0.4494
0.10	0.2227
0.20	0.1678
0.30	0.1343
0.40	0.0888
0.50	0.0668
0.60	0.0450
0.70	0.0245
0.80	0.0094
0.90	0.0058
1.00	0.0030
Average precision over all relevant documents	
non-interpolated	0.0898

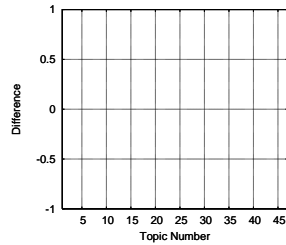
Document Level Averages	
	Precision
At 5 docs	0.1872
At 10 docs	0.1830
At 15 docs	0.1731
At 20 docs	0.1649
At 30 docs	0.1702
At 100 docs	0.1285
At 200 docs	0.1010
At 500 docs	0.0613
At 1000 docs	0.0380
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1445

Recall Level Precision Averages	
Recall	Precision
0.00	0.5000
0.10	0.2675
0.20	0.2119
0.30	0.1640
0.40	0.1235
0.50	0.0895
0.60	0.0503
0.70	0.0221
0.80	0.0068
0.90	0.0026
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1104

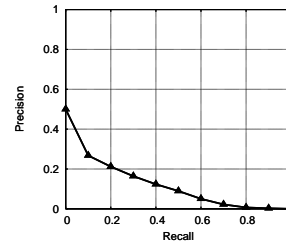
Document Level Averages	
	Precision
At 5 docs	0.2638
At 10 docs	0.2596
At 15 docs	0.2610
At 20 docs	0.2468
At 30 docs	0.2475
At 100 docs	0.1913
At 200 docs	0.1461
At 500 docs	0.0872
At 1000 docs	0.0533
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1826



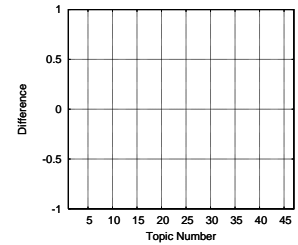
Recall-Precision Curve



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

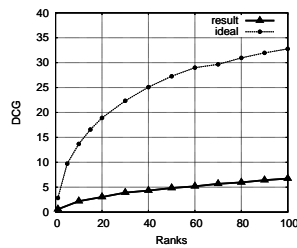


Recall-Precision Curve



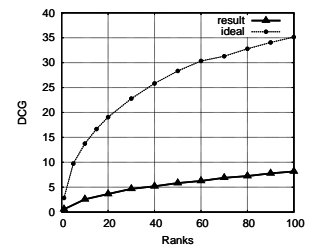
Difference from Median in Average Precision per Topic (over 1 'automatic' and 'TITLE only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.5745
At 10 docs	2.1887
At 20 docs	3.0273
At 30 docs	3.9107
At 40 docs	4.3234
At 50 docs	4.8342
At 60 docs	5.1767
At 70 docs	5.6717
At 80 docs	5.9581
At 90 docs	6.4095
At 100 docs	6.7268
At 200 docs	8.9732
At 500 docs	11.6839
At 1000 docs	13.3339



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	0.5745
At 10 docs	2.5705
At 20 docs	3.6374
At 30 docs	4.6665
At 40 docs	5.1789
At 50 docs	5.8246
At 60 docs	6.2516
At 70 docs	6.8842
At 80 docs	7.2358
At 90 docs	7.7703
At 100 docs	8.1556
At 200 docs	10.7872
At 500 docs	13.9717
At 1000 docs	15.8705



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 )