

# K3100-01

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	K3100-01
Subtask	II-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents&links
Number of Topics	45
Total number of documents over all topics	
Retrieved:	22980
Relevant:	521
Rel-ret:	315

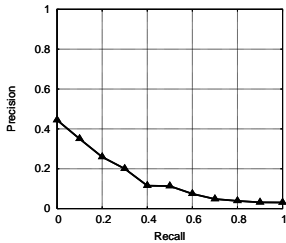
Summary Statistics	
Run ID	K3100-01
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents&links
Number of Topics	46
Total number of documents over all topics	
Retrieved:	23980
Relevant:	812
Rel-ret:	555

Recall Level Precision Averages	
Recall	Precision
0.00	0.4443
0.10	0.3501
0.20	0.2591
0.30	0.2001
0.40	0.1150
0.50	0.1131
0.60	0.0743
0.70	0.0480
0.80	0.0387
0.90	0.0313
1.00	0.0306
Average precision over all relevant documents	
non-interpolated	0.1392

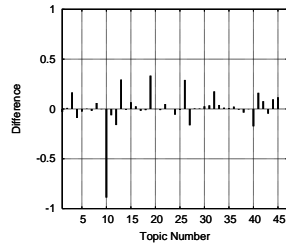
Document Level Averages	
	Precision
At 5 docs	0.1778
At 10 docs	0.1222
At 15 docs	0.1052
At 20 docs	0.0944
At 30 docs	0.0726
At 100 docs	0.0400
At 200 docs	0.0254
At 500 docs	0.0125
At 1000 docs	0.0070
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1401

Recall Level Precision Averages	
Recall	Precision
0.00	0.5252
0.10	0.4215
0.20	0.3209
0.30	0.2244
0.40	0.1669
0.50	0.1423
0.60	0.1147
0.70	0.0664
0.80	0.0599
0.90	0.0377
1.00	0.0295
Average precision over all relevant documents	
non-interpolated	0.1677

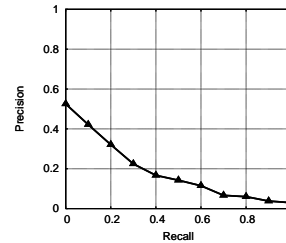
Document Level Averages	
	Precision
At 5 docs	0.2652
At 10 docs	0.1848
At 15 docs	0.1652
At 20 docs	0.1467
At 30 docs	0.1217
At 100 docs	0.0709
At 200 docs	0.0461
At 500 docs	0.0220
At 1000 docs	0.0121
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1746



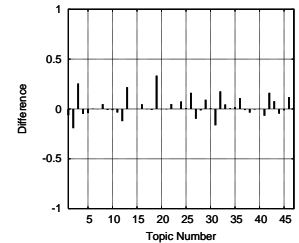
Recall-Precision Curve



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

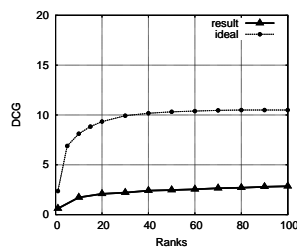


Recall-Precision Curve



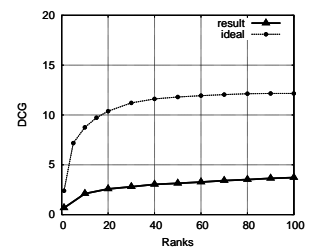
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	0.6087
At 10 docs	1.7218
At 20 docs	2.0840
At 30 docs	2.2073
At 40 docs	2.4062
At 50 docs	2.4662
At 60 docs	2.5378
At 70 docs	2.6460
At 80 docs	2.6950
At 90 docs	2.7896
At 100 docs	2.8458
At 200 docs	3.1569
At 500 docs	3.4461
At 1000 docs	3.6120



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	0.6739
At 10 docs	2.1038
At 20 docs	2.5784
At 30 docs	2.7944
At 40 docs	3.0311
At 50 docs	3.1422
At 60 docs	3.2666
At 70 docs	3.4144
At 80 docs	3.5157
At 90 docs	3.6375
At 100 docs	3.7134
At 200 docs	4.1733
At 500 docs	4.5417
At 1000 docs	4.7425



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	K3100-01
Subtask	II-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents&links
Number of Topics	46
Total number of documents over all topics	
Retrieved:	23033
Relevant:	966
Rel-ret:	563

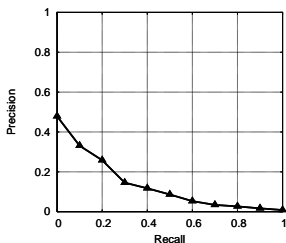
Summary Statistics	
Run ID	K3100-01
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents&links
Number of Topics	47
Total number of documents over all topics	
Retrieved:	24033
Relevant:	1381
Rel-ret:	831

Recall Level Precision Averages	
Recall	Precision
0.00	0.4786
0.10	0.3308
0.20	0.2582
0.30	0.1454
0.40	0.1173
0.50	0.0864
0.60	0.0529
0.70	0.0340
0.80	0.0264
0.90	0.0166
1.00	0.0082
Average precision over all relevant documents	
non-interpolated	0.1170

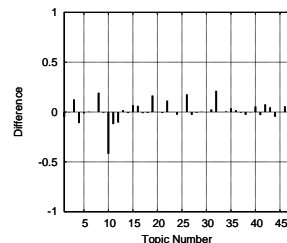
Document Level Averages	
	Precision
At 5 docs	0.2174
At 10 docs	0.1717
At 15 docs	0.1594
At 20 docs	0.1446
At 30 docs	0.1152
At 100 docs	0.0709
At 200 docs	0.0458
At 500 docs	0.0222
At 1000 docs	0.0122
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1393

Recall Level Precision Averages	
Recall	Precision
0.00	0.5489
0.10	0.3829
0.20	0.2843
0.30	0.1785
0.40	0.1409
0.50	0.0973
0.60	0.0772
0.70	0.0445
0.80	0.0313
0.90	0.0162
1.00	0.0074
Average precision over all relevant documents	
non-interpolated	0.1390

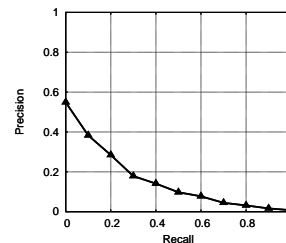
Document Level Averages	
	Precision
At 5 docs	0.3064
At 10 docs	0.2362
At 15 docs	0.2213
At 20 docs	0.2000
At 30 docs	0.1660
At 100 docs	0.1057
At 200 docs	0.0684
At 500 docs	0.0326
At 1000 docs	0.0177
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1776



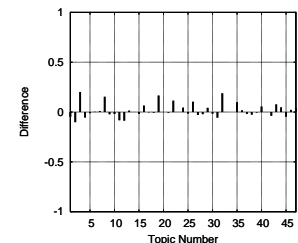
Recall-Precision Curve



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

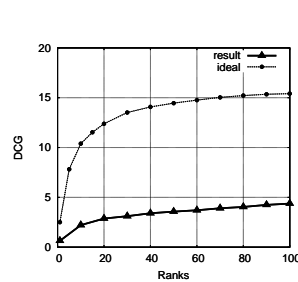


Recall-Precision Curve



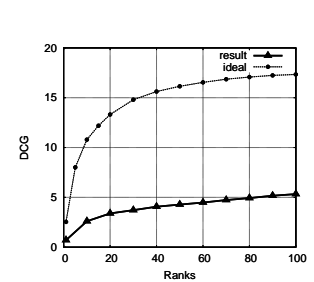
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)\*\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	0.6383
At 10 docs	2.2144
At 20 docs	2.8709
At 30 docs	3.1105
At 40 docs	3.4037
At 50 docs	3.5664
At 60 docs	3.7031
At 70 docs	3.9041
At 80 docs	4.0372
At 90 docs	4.2425
At 100 docs	4.3749
At 200 docs	4.9806
At 500 docs	5.4698
At 1000 docs	5.7201



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	0.7021
At 10 docs	2.6015
At 20 docs	3.3844
At 30 docs	3.7140
At 40 docs	4.0608
At 50 docs	4.2736
At 60 docs	4.4767
At 70 docs	4.7305
At 80 docs	4.9251
At 90 docs	5.1635
At 100 docs	5.3249
At 200 docs	6.0826
At 500 docs	6.6596
At 1000 docs	6.9372



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 )