

GRACE-SA1-2

(1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	GRACE-SA1-2
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:	451

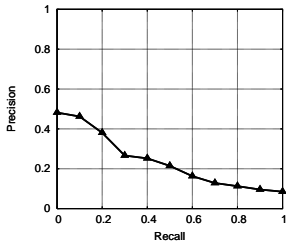
Summary Statistics	
Run ID	GRACE-SA1-2
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	46
Total number of documents over all topics	
Retrieved:	46000
Relevant:	812
Rel-ret:	720

Recall Level Precision Averages	
Recall	Precision
0.00	0.4818
0.10	0.4622
0.20	0.3804
0.30	0.2662
0.40	0.2520
0.50	0.2145
0.60	0.1628
0.70	0.1281
0.80	0.1125
0.90	0.0957
1.00	0.0849
Average precision over all relevant documents	
non-interpolated	0.2260

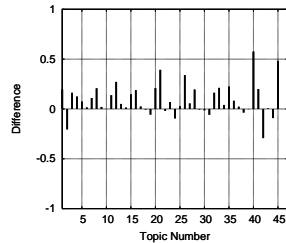
Document Level Averages	
	Precision
At 5 docs	0.2356
At 10 docs	0.1822
At 15 docs	0.1615
At 20 docs	0.1444
At 30 docs	0.1178
At 100 docs	0.0618
At 200 docs	0.0386
At 500 docs	0.0187
At 1000 docs	0.0100
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2053

Recall Level Precision Averages	
Recall	Precision
0.00	0.5775
0.10	0.4996
0.20	0.4184
0.30	0.3485
0.40	0.2996
0.50	0.2521
0.60	0.1973
0.70	0.1253
0.80	0.0991
0.90	0.0611
1.00	0.0442
Average precision over all relevant documents	
non-interpolated	0.2486

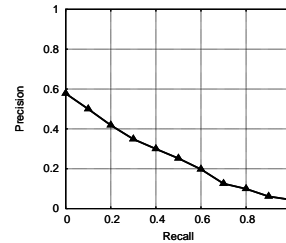
Document Level Averages	
	Precision
At 5 docs	0.3435
At 10 docs	0.2696
At 15 docs	0.2391
At 20 docs	0.2152
At 30 docs	0.1790
At 100 docs	0.0957
At 200 docs	0.0597
At 500 docs	0.0288
At 1000 docs	0.0157
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2482



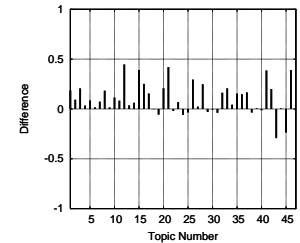
Recall-Precision Curve



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

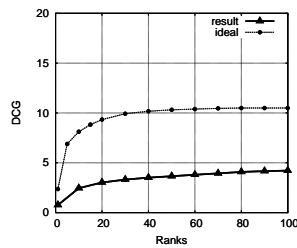


Recall-Precision Curve



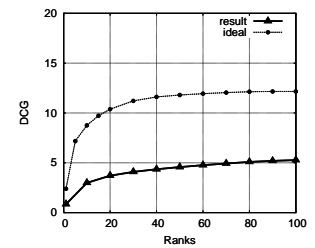
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)**

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.7609
At 10 docs	2.4500
At 20 docs	3.0223
At 30 docs	3.3132
At 40 docs	3.5085
At 50 docs	3.6531
At 60 docs	3.7989
At 70 docs	3.9360
At 80 docs	4.0822
At 90 docs	4.1638
At 100 docs	4.2166
At 200 docs	4.6517
At 500 docs	5.0438
At 1000 docs	5.1877



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	0.8478
At 10 docs	2.9860
At 20 docs	3.7027
At 30 docs	4.0866
At 40 docs	4.3532
At 50 docs	4.5688
At 60 docs	4.7635
At 70 docs	4.9258
At 80 docs	5.0860
At 90 docs	5.1912
At 100 docs	5.2705
At 200 docs	5.8277
At 500 docs	6.3246
At 1000 docs	6.5315



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	GRACE-SA1-2
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:	783

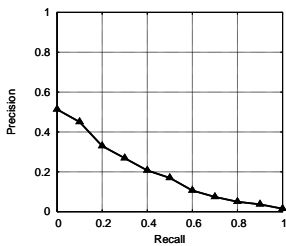
Summary Statistics	
Run ID	GRACE-SA1-2
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1381
Rel-ret:	1132

Recall Level Precision Averages	
Recall	Precision
0.00	0.5134
0.10	0.4502
0.20	0.3295
0.30	0.2686
0.40	0.2069
0.50	0.1694
0.60	0.1063
0.70	0.0740
0.80	0.0499
0.90	0.0368
1.00	0.0148
Average precision over all relevant documents	
non-interpolated	0.1813

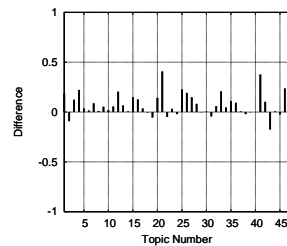
Document Level Averages	
	Precision
At 5 docs	0.2783
At 10 docs	0.2304
At 15 docs	0.2087
At 20 docs	0.1870
At 30 docs	0.1572
At 100 docs	0.0946
At 200 docs	0.0626
At 500 docs	0.0311
At 1000 docs	0.0170
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1977

Recall Level Precision Averages	
Recall	Precision
0.00	0.6113
0.10	0.4762
0.20	0.3801
0.30	0.2768
0.40	0.2103
0.50	0.1727
0.60	0.1279
0.70	0.0901
0.80	0.0620
0.90	0.0391
1.00	0.0116
Average precision over all relevant documents	
non-interpolated	0.2058

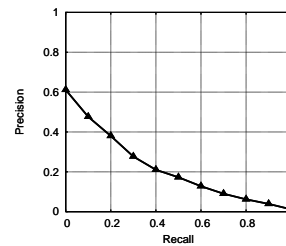
Document Level Averages	
	Precision
At 5 docs	0.3830
At 10 docs	0.3298
At 15 docs	0.2964
At 20 docs	0.2670
At 30 docs	0.2227
At 100 docs	0.1319
At 200 docs	0.0873
At 500 docs	0.0437
At 1000 docs	0.0241
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2284



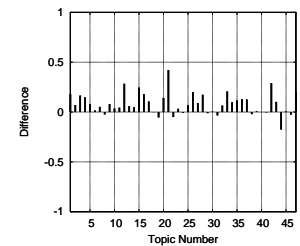
Recall-Precision Curve



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

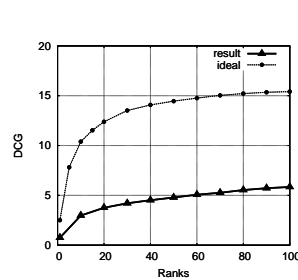


Recall-Precision Curve



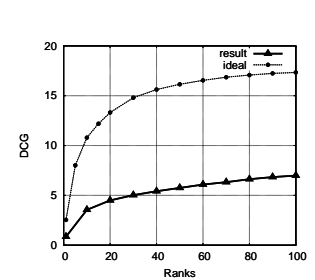
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)**

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.7447
At 10 docs	2.9720
At 20 docs	3.7552
At 30 docs	4.2016
At 40 docs	4.5121
At 50 docs	4.7815
At 60 docs	5.0668
At 70 docs	5.2576
At 80 docs	5.5335
At 90 docs	5.7161
At 100 docs	5.8389
At 200 docs	6.7211
At 500 docs	7.4510
At 1000 docs	7.7713



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	0.8511
At 10 docs	3.5469
At 20 docs	4.4933
At 30 docs	5.0216
At 40 docs	5.4144
At 50 docs	5.7455
At 60 docs	6.0825
At 70 docs	6.3226
At 80 docs	6.6223
At 90 docs	6.8348
At 100 docs	6.9835
At 200 docs	8.0440
At 500 docs	8.9491
At 1000 docs	9.3519



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)
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** 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)