

GRACE-LA1-4

(1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	GRACE-LA1-4
Subtask	I-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents&links
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	2492
Rel-ret:	1772

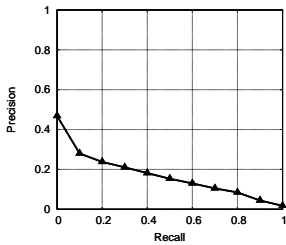
Summary Statistics	
Run ID	GRACE-LA1-4
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents&links
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3706
Rel-ret:	2576

Recall Level Precision Averages	
Recall	Precision
0.00	0.4682
0.10	0.2798
0.20	0.2376
0.30	0.2104
0.40	0.1814
0.50	0.1531
0.60	0.1296
0.70	0.1047
0.80	0.0844
0.90	0.0442
1.00	0.0172
Average precision over all relevant documents	
non-interpolated	0.1555

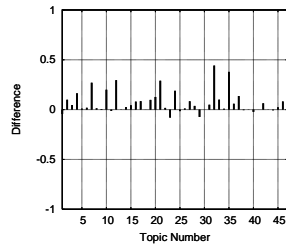
Document Level Averages	
	Precision
At 5 docs	0.2511
At 10 docs	0.2340
At 15 docs	0.2156
At 20 docs	0.2170
At 30 docs	0.2035
At 100 docs	0.1483
At 200 docs	0.1086
At 500 docs	0.0626
At 1000 docs	0.0377
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1856

Recall Level Precision Averages	
Recall	Precision
0.00	0.5685
0.10	0.3733
0.20	0.3135
0.30	0.2747
0.40	0.2441
0.50	0.2122
0.60	0.1760
0.70	0.1471
0.80	0.1028
0.90	0.0578
1.00	0.0105
Average precision over all relevant documents	
non-interpolated	0.2088

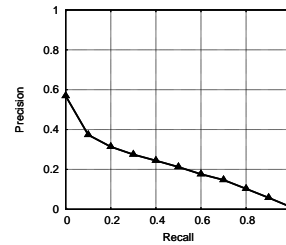
Document Level Averages	
	Precision
At 5 docs	0.3830
At 10 docs	0.3340
At 15 docs	0.3191
At 20 docs	0.3106
At 30 docs	0.2979
At 100 docs	0.2213
At 200 docs	0.1624
At 500 docs	0.0916
At 1000 docs	0.0548
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2310



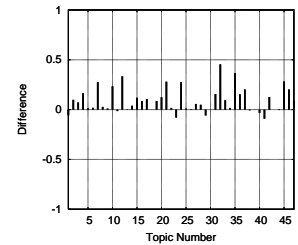
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)*

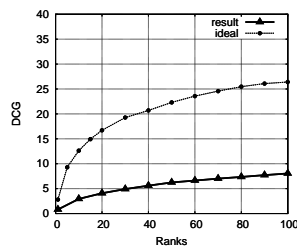


Recall-Precision Curve



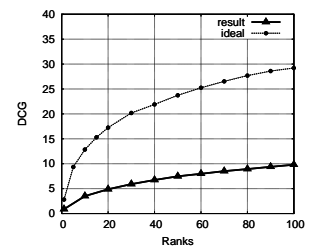
Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.8085
At 10 docs	2.9319
At 20 docs	4.0775
At 30 docs	4.9063
At 40 docs	5.5920
At 50 docs	6.2361
At 60 docs	6.6143
At 70 docs	7.0131
At 80 docs	7.3485
At 90 docs	7.7067
At 100 docs	8.0395
At 200 docs	10.0201
At 500 docs	12.3832
At 1000 docs	13.7795



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	0.8723
At 10 docs	3.5002
At 20 docs	4.8714
At 30 docs	5.9041
At 40 docs	6.7271
At 50 docs	7.4720
At 60 docs	7.9788
At 70 docs	8.5115
At 80 docs	8.9287
At 90 docs	9.3800
At 100 docs	9.7968
At 200 docs	12.2617
At 500 docs	15.0781
At 1000 docs	16.7512



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	GRACE-LA1-4
Subtask	I-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents&links
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3558
Rel-ret:	2211

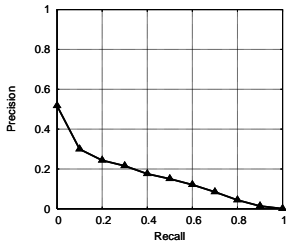
Summary Statistics	
Run ID	GRACE-LA1-4
Subtask	I-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents&links
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	4928
Rel-ret:	3090

Recall Level Precision Averages	
Recall	Precision
0.00	0.5169
0.10	0.2996
0.20	0.2433
0.30	0.2156
0.40	0.1756
0.50	0.1505
0.60	0.1210
0.70	0.0847
0.80	0.0441
0.90	0.0140
1.00	0.0009
Average precision over all relevant documents	
non-interpolated	0.1488

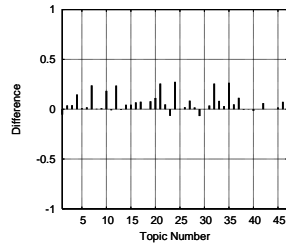
Document Level Averages	
	Precision
At 5 docs	0.2681
At 10 docs	0.2681
At 15 docs	0.2539
At 20 docs	0.2511
At 30 docs	0.2383
At 100 docs	0.1772
At 200 docs	0.1297
At 500 docs	0.0770
At 1000 docs	0.0470
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1918

Recall Level Precision Averages	
Recall	Precision
0.00	0.6065
0.10	0.3784
0.20	0.3134
0.30	0.2749
0.40	0.2330
0.50	0.1945
0.60	0.1523
0.70	0.1006
0.80	0.0581
0.90	0.0061
1.00	0.0011
Average precision over all relevant documents	
non-interpolated	0.1903

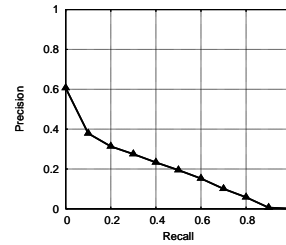
Document Level Averages	
	Precision
At 5 docs	0.4000
At 10 docs	0.3681
At 15 docs	0.3560
At 20 docs	0.3447
At 30 docs	0.3298
At 100 docs	0.2498
At 200 docs	0.1853
At 500 docs	0.1080
At 1000 docs	0.0657
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2324



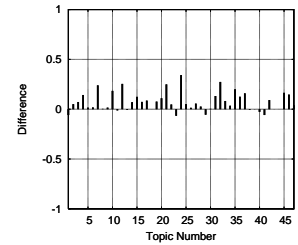
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)*

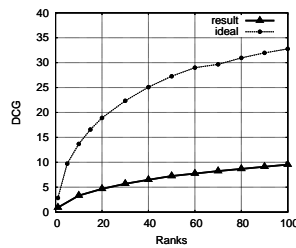


Recall-Precision Curve



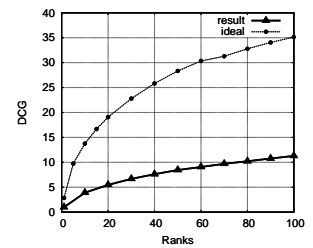
Difference from Median in Average Precision per Topic (over 10 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.9149
At 10 docs	3.3213
At 20 docs	4.6665
At 30 docs	5.6855
At 40 docs	6.4824
At 50 docs	7.2422
At 60 docs	7.7346
At 70 docs	8.2321
At 80 docs	8.6668
At 90 docs	9.1013
At 100 docs	9.5314
At 200 docs	11.9225
At 500 docs	15.0667
At 1000 docs	16.9439



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	0.9787
At 10 docs	3.8927
At 20 docs	5.4634
At 30 docs	6.6686
At 40 docs	7.6028
At 50 docs	8.4441
At 60 docs	9.0575
At 70 docs	9.6855
At 80 docs	10.2124
At 90 docs	10.7532
At 100 docs	11.2770
At 200 docs	14.2101
At 500 docs	17.8842
At 1000 docs	20.1013



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)