

GRACE-SA1-3

(1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	GRACE-SA1-3
Subtask	II-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	45
Total number of documents over all topics	
Retrieved:	45000
Relevant:	521
Rel-ret:	444

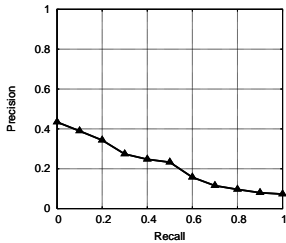
Summary Statistics	
Run ID	GRACE-SA1-3
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	46
Total number of documents over all topics	
Retrieved:	46000
Relevant:	812
Rel-ret:	682

Recall Level Precision Averages	
Recall	Precision
0.00	0.4341
0.10	0.3895
0.20	0.3432
0.30	0.2738
0.40	0.2474
0.50	0.2327
0.60	0.1573
0.70	0.1151
0.80	0.0962
0.90	0.0796
1.00	0.0729
Average precision over all relevant documents	
non-interpolated	0.2058

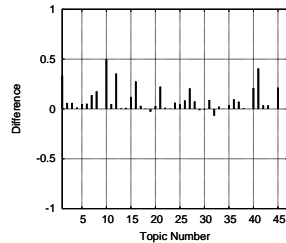
Document Level Averages	
	Precision
At 5 docs	0.2089
At 10 docs	0.1644
At 15 docs	0.1526
At 20 docs	0.1356
At 30 docs	0.1156
At 100 docs	0.0564
At 200 docs	0.0344
At 500 docs	0.0180
At 1000 docs	0.0099
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2264

Recall Level Precision Averages	
Recall	Precision
0.00	0.5213
0.10	0.4599
0.20	0.3856
0.30	0.3495
0.40	0.2939
0.50	0.2445
0.60	0.1892
0.70	0.1185
0.80	0.0870
0.90	0.0536
1.00	0.0422
Average precision over all relevant documents	
non-interpolated	0.2289

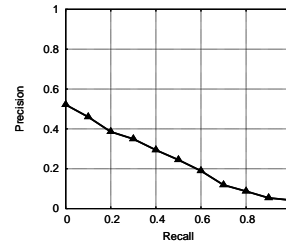
Document Level Averages	
	Precision
At 5 docs	0.3087
At 10 docs	0.2391
At 15 docs	0.2232
At 20 docs	0.2000
At 30 docs	0.1681
At 100 docs	0.0848
At 200 docs	0.0523
At 500 docs	0.0264
At 1000 docs	0.0148
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2488



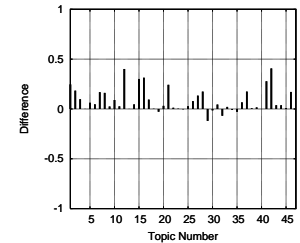
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 12 'automatic' and 'DISC only' runs)*

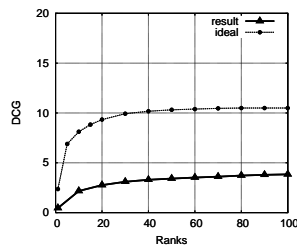


Recall-Precision Curve



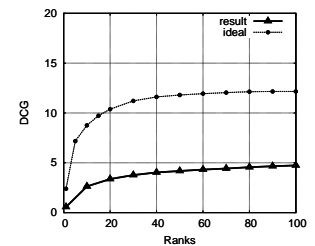
Difference from Median in Average Precision per Topic (over 12 'automatic' and 'DISC only' runs)**

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.4565
At 10 docs	2.1676
At 20 docs	2.7605
At 30 docs	3.0963
At 40 docs	3.2947
At 50 docs	3.4138
At 60 docs	3.5186
At 70 docs	3.6052
At 80 docs	3.7170
At 90 docs	3.7915
At 100 docs	3.8377
At 200 docs	4.1827
At 500 docs	4.6881
At 1000 docs	4.8746



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	0.5652
At 10 docs	2.6276
At 20 docs	3.3667
At 30 docs	3.7680
At 40 docs	4.0295
At 50 docs	4.1763
At 60 docs	4.3185
At 70 docs	4.4233
At 80 docs	4.5559
At 90 docs	4.6576
At 100 docs	4.7335
At 200 docs	5.1851
At 500 docs	5.7746
At 1000 docs	6.0418



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-SA1-3
Subtask	II-A1
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	46
Total number of documents over all topics	
Retrieved:	46000
Relevant:	966
Rel-ret:	775

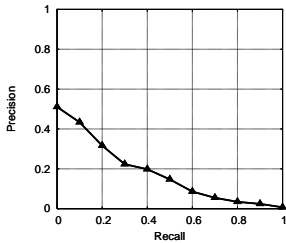
Summary Statistics	
Run ID	GRACE-SA1-3
Subtask	II-A1
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	1381
Rel-ret:	1065

Recall Level Precision Averages	
Recall	Precision
0.00	0.5106
0.10	0.4336
0.20	0.3164
0.30	0.2233
0.40	0.1981
0.50	0.1470
0.60	0.0857
0.70	0.0546
0.80	0.0343
0.90	0.0240
1.00	0.0069
Average precision over all relevant documents	
non-interpolated	0.1639

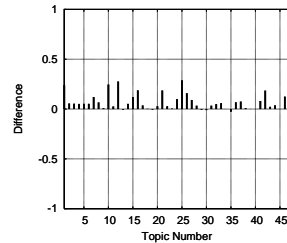
Document Level Averages	
	Precision
At 5 docs	0.2435
At 10 docs	0.2022
At 15 docs	0.1957
At 20 docs	0.1793
At 30 docs	0.1536
At 100 docs	0.0837
At 200 docs	0.0539
At 500 docs	0.0295
At 1000 docs	0.0168
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1957

Recall Level Precision Averages	
Recall	Precision
0.00	0.6093
0.10	0.4601
0.20	0.3754
0.30	0.2620
0.40	0.1973
0.50	0.1356
0.60	0.0912
0.70	0.0572
0.80	0.0368
0.90	0.0201
1.00	0.0030
Average precision over all relevant documents	
non-interpolated	0.1843

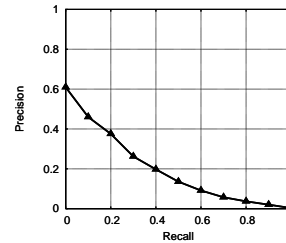
Document Level Averages	
	Precision
At 5 docs	0.3574
At 10 docs	0.2894
At 15 docs	0.2752
At 20 docs	0.2500
At 30 docs	0.2113
At 100 docs	0.1147
At 200 docs	0.0746
At 500 docs	0.0395
At 1000 docs	0.0227
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2250



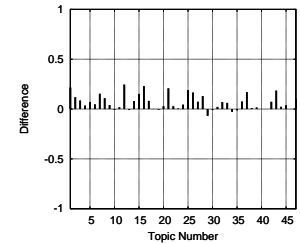
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 12 'automatic' and 'DISC only' runs)*

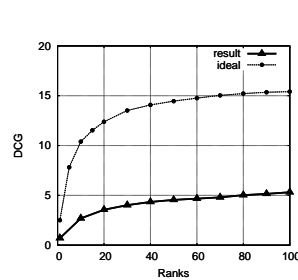


Recall-Precision Curve



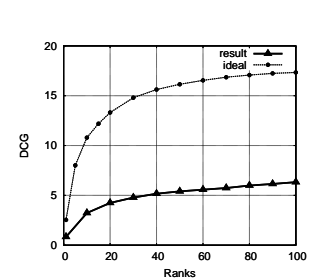
Difference from Median in Average Precision per Topic (over 12 'automatic' and 'DISC only' runs)**

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.7021
At 10 docs	2.6903
At 20 docs	3.5544
At 30 docs	4.0150
At 40 docs	4.3393
At 50 docs	4.5451
At 60 docs	4.6695
At 70 docs	4.7966
At 80 docs	5.0219
At 90 docs	5.1513
At 100 docs	5.3131
At 200 docs	6.0057
At 500 docs	6.9723
At 1000 docs	7.4203



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	0.8298
At 10 docs	3.2279
At 20 docs	4.2402
At 30 docs	4.7745
At 40 docs	5.1647
At 50 docs	5.3976
At 60 docs	5.5696
At 70 docs	5.7358
At 80 docs	5.9849
At 90 docs	6.1442
At 100 docs	6.3222
At 200 docs	7.1668
At 500 docs	8.2461
At 1000 docs	8.7865



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)