

(1) Evaluation Result when Considering Links ('Survey'-type Evaluation)

Summary Statistics	
Run ID	GRACE-ds-01
Subtask	Subtask A (survey)
Relevant Level	Level1 (S or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34997
Relevant:	3893
Rel-ret:	2053

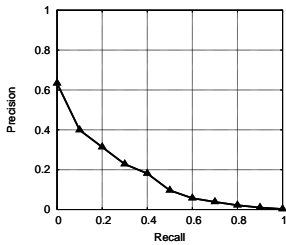
Summary Statistics	
Run ID	GRACE-ds-01
Subtask	Subtask A (survey)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34997
Relevant:	5687
Rel-ret:	2893

Recall Level Precision Averages	
Recall	Precision
0.00	0.6334
0.10	0.3988
0.20	0.3134
0.30	0.2279
0.40	0.1809
0.50	0.0961
0.60	0.0568
0.70	0.0382
0.80	0.0215
0.90	0.0098
1.00	0.0025
Average precision over all relevant documents	
non-interpolated	0.1565

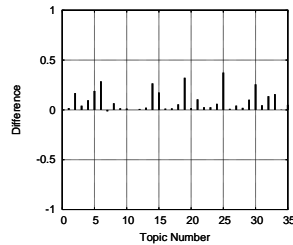
Document Level Averages	
	Precision
At 5 docs	0.4114
At 10 docs	0.3571
At 15 docs	0.3448
At 20 docs	0.3314
At 30 docs	0.2971
At 100 docs	0.2046
At 200 docs	0.1523
At 500 docs	0.0937
At 1000 docs	0.0587
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.2054

Recall Level Precision Averages	
Recall	Precision
0.00	0.7381
0.10	0.4492
0.20	0.3451
0.30	0.2668
0.40	0.1983
0.50	0.1135
0.60	0.0675
0.70	0.0450
0.80	0.0261
0.90	0.0066
1.00	0.0025
Average precision over all relevant documents	
non-interpolated	0.1778

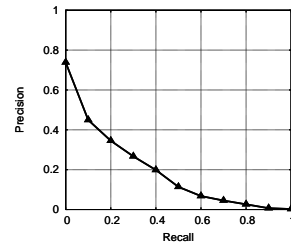
Document Level Averages	
	Precision
At 5 docs	0.4914
At 10 docs	0.4457
At 15 docs	0.4305
At 20 docs	0.4143
At 30 docs	0.3781
At 100 docs	0.2737
At 200 docs	0.2116
At 500 docs	0.1326
At 1000 docs	0.0827
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.2429



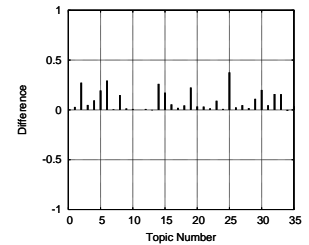
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

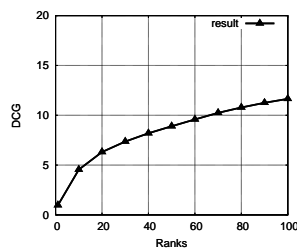


Recall-Precision Curve



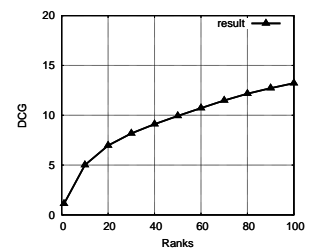
Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.9714
At 10 docs	4.5457
At 20 docs	6.3103
At 30 docs	7.3604
At 40 docs	8.1918
At 50 docs	8.8978
At 60 docs	9.5793
At 70 docs	10.2430
At 80 docs	10.7794
At 90 docs	11.2509
At 100 docs	11.6463
At 200 docs	14.6091
At 500 docs	18.9507
At 1000 docs	21.6387



Discounted Cumulative Gain Curve ($G_S = 3, G_A = 2, G_B = 0$)

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	1.1143
At 10 docs	5.0039
At 20 docs	6.9653
At 30 docs	8.1809
At 40 docs	9.1065
At 50 docs	9.9319
At 60 docs	10.7171
At 70 docs	11.4850
At 80 docs	12.1635
At 90 docs	12.7196
At 100 docs	13.2193
At 200 docs	16.8762
At 500 docs	22.1344
At 1000 docs	25.3052



Discounted Cumulative 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)
 Topic IDs: (1,3,4,6,19,21,22,23,28,29,34,44,45,55,58,61,62,63,65,68,70,71,73,74,76,80,82,84,86,88,91,95,97,98,99)

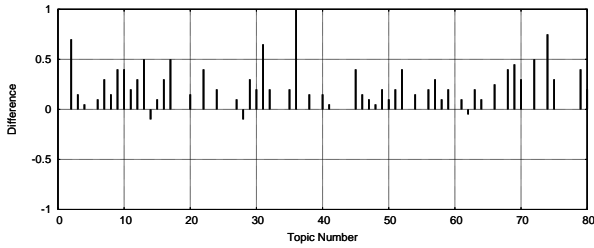
(2) Evaluation Result when Considering Links ('Target'-type Evaluation)

Summary Statistics	
Run ID	GRACE-ds-01
Subtask	Subtask A (target)
Relevant Level	Level1 (S or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	80

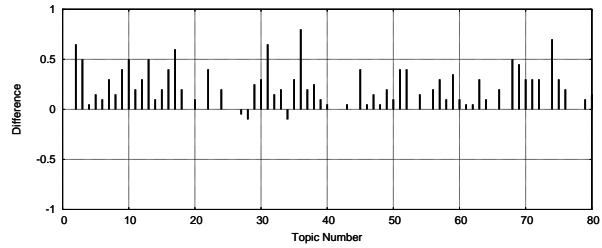
Summary Statistics	
Run ID	GRACE-ds-01
Subtask	Subtask A (target)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	80

Document Level Precision Averages, Mean Reciprocal Rank (MRR), and the Number (#) and Percentage (%) of Topics for which No Relevant Document (Level1) were Retrieved				
	Precision	MRR	#	%
At 5 docs	0.4300	0.5842	20	0.2500
At 10 docs	0.3863	0.5994	11	0.1375
At 15 docs	0.3658	0.6042	6	0.0750
At 20 docs	0.3388	0.6055	4	0.0500

Document Level Precision Averages, Mean Reciprocal Rank (MRR), and the Number (#) and Percentage (%) of Topics for which No Relevant Document (Level2) were Retrieved				
	Precision	MRR	#	%
At 5 docs	0.5200	0.6738	14	0.1750
At 10 docs	0.4775	0.6872	6	0.0750
At 15 docs	0.4525	0.6900	3	0.0375
At 20 docs	0.4206	0.6906	2	0.0250

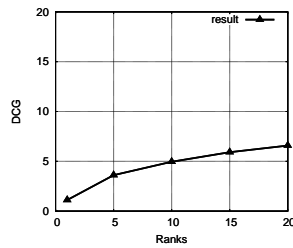


Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*



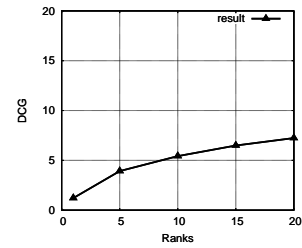
Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	1.1125
At 5 doc	3.6103
At 10 docs	4.9528
At 15 docs	5.9127
At 20 docs	6.5800



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	1.2125
At 5 doc	3.9214
At 10 docs	5.4242
At 15 docs	6.4896
At 20 docs	7.2381



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, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80)
 Topic IDs: (1, 2, 3, 4, 5, 6, 7, 9, 11, 14, 15, 19, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 34, 38, 43, 44, 45, 46, 55, 57, 58, 60, 61, 62, 63, 65, 66, 67, 68, 70, 71, 72, 73, 74, 76, 77, 78, 79, 80)
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