GRACE-SA1-1

(1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	GRACE-SA1-1
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-SA1-1
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:	710

Recall Level Precision Averages	
Recall	Precision
0.00	0.4967
0.10	0.4636
0.20	0.3659
0.30	0.2704
0.40	0.2316
0.50	0.2155
0.60	0.1471
0.70	0.1097
0.80	0.0979
0.90	0.0800
1.00	0.0753
Average precision over all relevant documents	
non-interpolated	0.2148

Document Level Averages	
	Precision
At 5 docs	0.2089
At 10 docs	0.1756
At 15 docs	0.1496
At 20 docs	0.1367
At 30 docs	0.1148
At 100 docs	0.0569
At 200 docs	0.0359
At 500 docs	0.0181
At 1000 docs	0.0100
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2066

Recall Level Precision Averages	
Recall	Precision
0.00	0.5943
0.10	0.4939
0.20	0.3769
0.30	0.3207
0.40	0.2748
0.50	0.2303
0.60	0.1798
0.70	0.1139
0.80	0.0885
0.90	0.0561
1.00	0.0454
Average precision over all relevant documents	
non-interpolated	0.2315

| Document Level Averages	
	Precision
At 5 docs	0.3130
At 10 docs	0.2565
At 15 docs	0.2232
At 20 docs	0.2011
At 30 docs	0.1652
At 100 docs	0.0880
At 200 docs	0.0563
At 500 docs	0.0280
At 1000 docs	0.0154
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2423
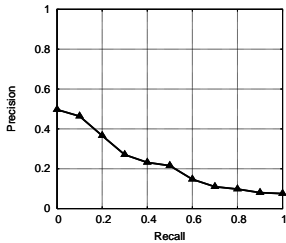
Recall-Precision Curve
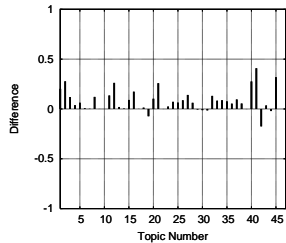
Difference from Median in
Average Precision per Topic
(over 14 'automatic' and
'TITLE only' runs)*
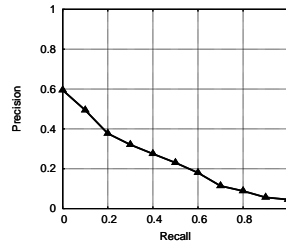
Recall-Precision Curve
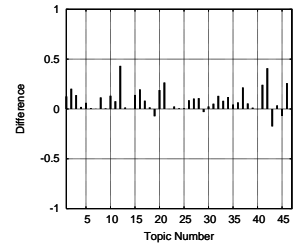
Difference from Median in
Average Precision per Topic
(over 14 'automatic' and
'TITLE only' runs)**

Discounted ($\log_2$) Cummulative Gain Averages ($G_S = 3$, $G_A = 2$, $G_B = 0$)	
	DCG
At 1 doc	0.7174
At 10 docs	2.2243
At 20 docs	2.7557
At 30 docs	3.0682
At 40 docs	3.2971
At 50 docs	3.4744
At 60 docs	3.5868
At 70 docs	3.6698
At 80 docs	3.7326
At 90 docs	3.8276
At 100 docs	3.8540
At 200 docs	4.2632
At 500 docs	4.7169
At 1000 docs	4.9157
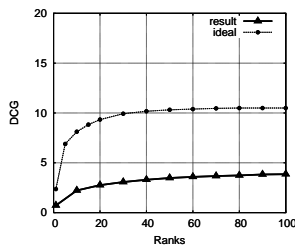
Discounted Cummulative
Gain Curve
($G_S = 3$, $G_A = 2$, $G_B = 0$)

Discounted ($\log_2$) Cummulative Gain Averages ($G_S = 3$, $G_A = 2$, $G_B = 1$)	
	DCG
At 1 doc	0.8261
At 10 docs	2.7308
At 20 docs	3.3920
At 30 docs	3.7556
At 40 docs	4.0725
At 50 docs	4.2972
At 60 docs	4.4434
At 70 docs	4.5734
At 80 docs	4.6744
At 90 docs	4.7830
At 100 docs	4.8293
At 200 docs	5.3791
At 500 docs	5.9365
At 1000 docs	6.1906
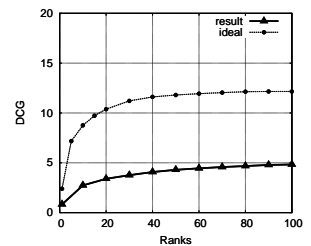
Discounted Cummulative
Gain Curve
($G_S = 3$, $G_A = 2$, $G_B = 1$)

* 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-SA1-1
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:	794

Summary Statistics	
Run ID	GRACE-SA1-1
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:	1126

Recall Level Precision Averages	
Recall	Precision
0.00	0.5681
0.10	0.4879
0.20	0.3413
0.30	0.2481
0.40	0.2118
0.50	0.1511
0.60	0.0961
0.70	0.0612
0.80	0.0430
0.90	0.0292
1.00	0.0139
Average precision over all relevant documents	
non-interpolated	0.1807

Document Level Averages	
	Precision
At 5 docs	0.2696
At 10 docs	0.2239
At 15 docs	0.2000
At 20 docs	0.1848
At 30 docs	0.1580
At 100 docs	0.0898
At 200 docs	0.0589
At 500 docs	0.0306
At 1000 docs	0.0173
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1954

Recall Level Precision Averages	
Recall	Precision
0.00	0.6482
0.10	0.4684
0.20	0.3807
0.30	0.2698
0.40	0.2035
0.50	0.1592
0.60	0.1152
0.70	0.0796
0.80	0.0535
0.90	0.0309
1.00	0.0114
Average precision over all relevant documents	
non-interpolated	0.1986

| Document Level Averages	
	Precision
At 5 docs	0.3702
At 10 docs	0.3128
At 15 docs	0.2794
At 20 docs	0.2543
At 30 docs	0.2142
At 100 docs	0.1245
At 200 docs	0.0836
At 500 docs	0.0426
At 1000 docs	0.0240
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2196
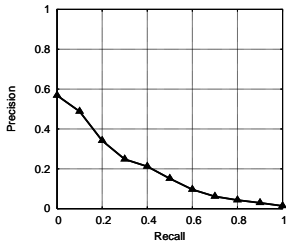
Recall-Precision Curve
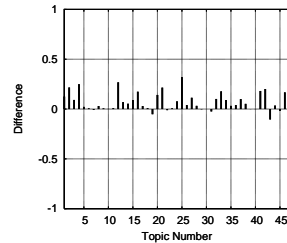
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)*
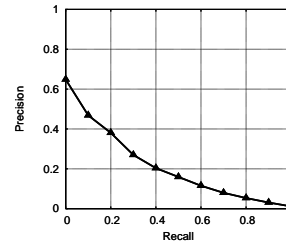

Recall-Precision Curve
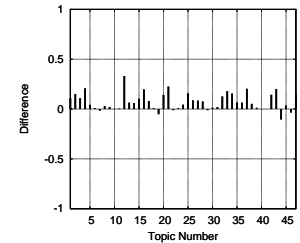
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)**

Discounted ($\log_2$) Cummulative Gain Averages ($G_S = 3$, $G_A = 2$, $G_B = 1$)	
	DCG
At 1 doc	0.9787
At 10 docs	2.8935
At 20 docs	3.6947
At 30 docs	4.1662
At 40 docs	4.5262
At 50 docs	4.7697
At 60 docs	4.9978
At 70 docs	5.1567
At 80 docs	5.3345
At 90 docs	5.5106
At 100 docs	5.6464
At 200 docs	6.4246
At 500 docs	7.2790
At 1000 docs	7.6963
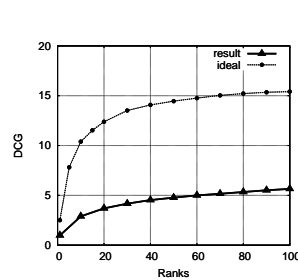
Discounted Cummulative Gain Curve ($G_S = 3$, $G_A = 2$, $G_B = 0$)

Discounted ($\log_2$) Cummulative Gain Averages ($G_S = 3$, $G_A = 2$, $G_B = 0$)	
	DCG
At 1 doc	1.0638
At 10 docs	3.4230
At 20 docs	4.3623
At 30 docs	4.9028
At 40 docs	5.3824
At 50 docs	5.6876
At 60 docs	5.9561
At 70 docs	6.1682
At 80 docs	6.3765
At 90 docs	6.5692
At 100 docs	6.7146
At 200 docs	7.7071
At 500 docs	8.6998
At 1000 docs	9.1933
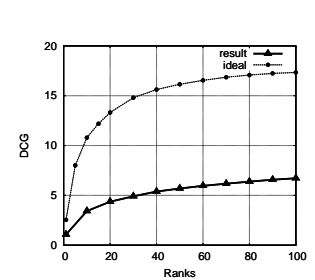
Discounted Cummulative Gain Curve ($G_S = 3$, $G_A = 2$, $G_B = 1$)

* 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)