

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

Summary Statistics	
Run ID	TKB-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:	34998
Relevant:	3893
Rel-ret:	1816

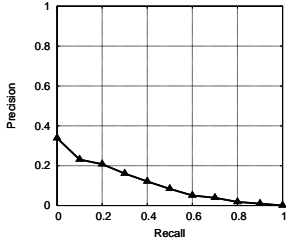
Summary Statistics	
Run ID	TKB-ds-01
Subtask	Subtask A (survey)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34998
Relevant:	5687
Rel-ret:	2624

Recall Level Precision Averages	
Recall	Precision
0.00	0.3383
0.10	0.2310
0.20	0.2074
0.30	0.1605
0.40	0.1207
0.50	0.0838
0.60	0.0504
0.70	0.0389
0.80	0.0181
0.90	0.0094
1.00	0.0004
Average precision over all relevant documents	
non-interpolated	0.1011

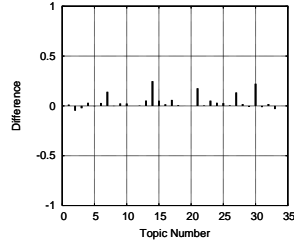
Document Level Averages	
	Precision
At 5 docs	0.2171
At 10 docs	0.1914
At 15 docs	0.1924
At 20 docs	0.1886
At 30 docs	0.1829
At 100 docs	0.1534
At 200 docs	0.1246
At 500 docs	0.0793
At 1000 docs	0.0519
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1358

Recall Level Precision Averages	
Recall	Precision
0.00	0.4887
0.10	0.3211
0.20	0.2546
0.30	0.1983
0.40	0.1566
0.50	0.1163
0.60	0.0778
0.70	0.0527
0.80	0.0193
0.90	0.0047
1.00	0.0005
Average precision over all relevant documents	
non-interpolated	0.1351

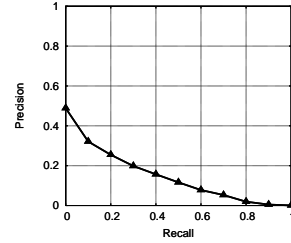
Document Level Averages	
	Precision
At 5 docs	0.3429
At 10 docs	0.3114
At 15 docs	0.2857
At 20 docs	0.2714
At 30 docs	0.2543
At 100 docs	0.2223
At 200 docs	0.1814
At 500 docs	0.1153
At 1000 docs	0.0750
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.1932



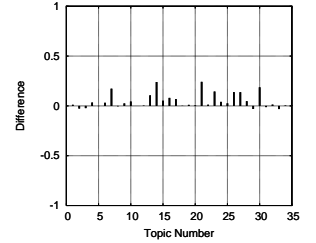
Recall-Precision Curve



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

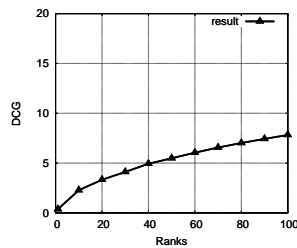


Recall-Precision Curve



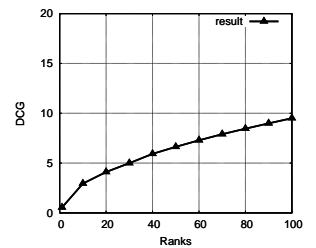
Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.3714
At 10 docs	2.2810
At 20 docs	3.3249
At 30 docs	4.1106
At 40 docs	4.9299
At 50 docs	5.4833
At 60 docs	6.0446
At 70 docs	6.5606
At 80 docs	7.0131
At 90 docs	7.4265
At 100 docs	7.8213
At 200 docs	10.7187
At 500 docs	14.6554
At 1000 docs	17.4107



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	0.5429
At 10 docs	2.9436
At 20 docs	4.1029
At 30 docs	4.9938
At 40 docs	5.9234
At 50 docs	6.6278
At 60 docs	7.2879
At 70 docs	7.8985
At 80 docs	8.4517
At 90 docs	8.9854
At 100 docs	9.5019
At 200 docs	13.0246
At 500 docs	17.7622
At 1000 docs	21.0610



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)

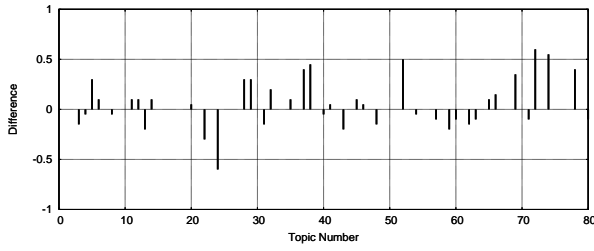
(2) Evaluation Result when Considering Links ('Target'-type Evaluation)

Summary Statistics	
Run ID	TKB-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

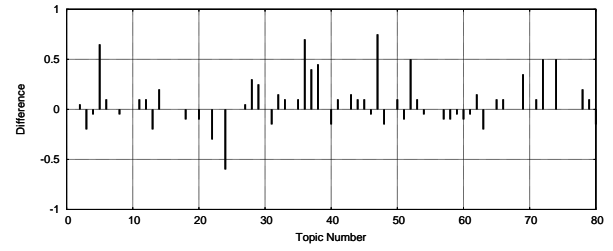
Summary Statistics	
Run ID	TKB-ds-01
Subtask	Subtask A (target)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	80

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	0.2500	0.3329	42	0.5250
At 10 docs	0.2413	0.3458	34	0.4250
At 15 docs	0.2358	0.3498	30	0.3750
At 20 docs	0.2288	0.3534	25	0.3125

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	0.3475	0.4475	35	0.4375
At 10 docs	0.3363	0.4700	22	0.2750
At 15 docs	0.3192	0.4740	18	0.2250
At 20 docs	0.3069	0.4755	16	0.2000

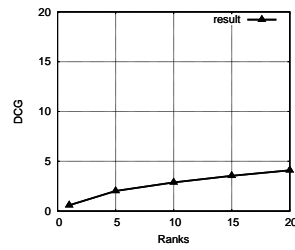


Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*



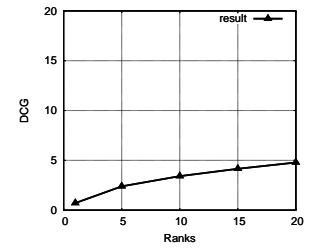
Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.5875
At 5 doc	2.0223
At 10 docs	2.8832
At 15 docs	3.5438
At 20 docs	4.0964



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

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.7125
At 5 doc	2.3926
At 10 docs	3.4132
At 15 docs	4.1544
At 20 docs	4.7819



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, 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, 80, 81, 82, 84, 86, 88, 89, 91, 94, 95, 97, 98, 99, 108, 110, 111, 112, 116, 117, 119, 120, 122, 123, 127, 129, 132, 133, 143, 145, 146, 149, 150, 151, 152)