

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

Summary Statistics	
Run ID	TKB-ds-04
Subtask	Subtask A (survey)
Relevant Level	Level1 (S or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	c-discription-l
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34414
Relevant:	3893
Rel-ret:	1185

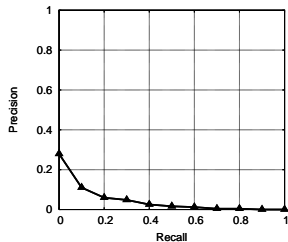
Summary Statistics	
Run ID	TKB-ds-04
Subtask	Subtask A (survey)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	d-discription-l
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34414
Relevant:	5687
Rel-ret:	1690

Recall Level Precision Averages	
Recall	Precision
0.00	0.2791
0.10	0.1101
0.20	0.0593
0.30	0.0482
0.40	0.0253
0.50	0.0162
0.60	0.0121
0.70	0.0041
0.80	0.0040
0.90	0
1.00	0
Average precision over all relevant documents	
non-interpolated	0.0381

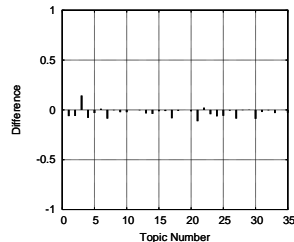
Document Level Averages	
	Precision
At 5 docs	0.1371
At 10 docs	0.1114
At 15 docs	0.0952
At 20 docs	0.1014
At 30 docs	0.0876
At 100 docs	0.0766
At 200 docs	0.0609
At 500 docs	0.0466
At 1000 docs	0.0339
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.0638

Recall Level Precision Averages	
Recall	Precision
0.00	0.3097
0.10	0.1427
0.20	0.0834
0.30	0.0681
0.40	0.0412
0.50	0.0214
0.60	0.0171
0.70	0.0035
0.80	0.0004
0.90	0
1.00	0
Average precision over all relevant documents	
non-interpolated	0.0472

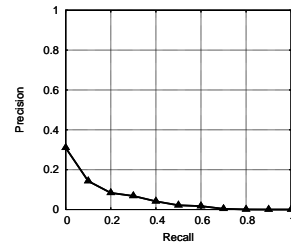
Document Level Averages	
	Precision
At 5 docs	0.1600
At 10 docs	0.1429
At 15 docs	0.1371
At 20 docs	0.1443
At 30 docs	0.1257
At 100 docs	0.1080
At 200 docs	0.0877
At 500 docs	0.0671
At 1000 docs	0.0483
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.0874



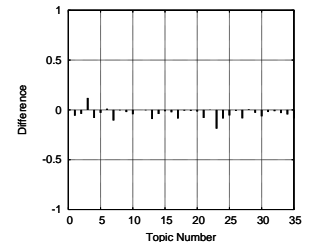
Recall-Precision Curve



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

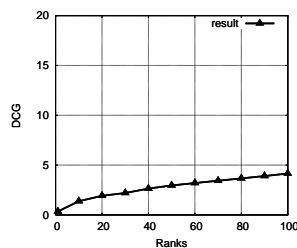


Recall-Precision Curve



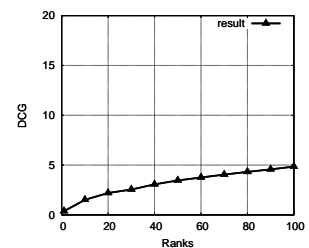
Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.3429
At 10 docs	1.3719
At 20 docs	1.9157
At 30 docs	2.2001
At 40 docs	2.6389
At 50 docs	2.9567
At 60 docs	3.1971
At 70 docs	3.4298
At 80 docs	3.6634
At 90 docs	3.8993
At 100 docs	4.1513
At 200 docs	5.5488
At 500 docs	8.4952
At 1000 docs	10.9281



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	0.3714
At 10 docs	1.5140
At 20 docs	2.1994
At 30 docs	2.5455
At 40 docs	3.0623
At 50 docs	3.4582
At 60 docs	3.7529
At 70 docs	4.0424
At 80 docs	4.3175
At 90 docs	4.5710
At 100 docs	4.8448
At 200 docs	6.5559
At 500 docs	10.0890
At 1000 docs	12.9612



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)

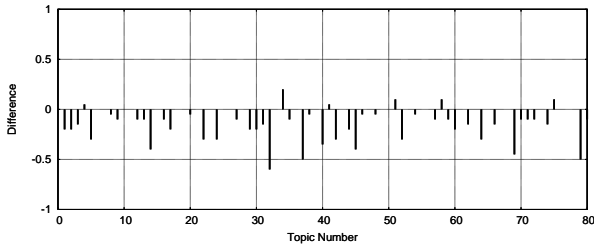
(2) Evaluation Result when Considering Links ('Target'-type Evaluation)

Summary Statistics	
Run ID	TKB-ds-04
Subtask	Subtask A (target)
Relevant Level	Level1 (S or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	c-discription-l
Number of Topics	80

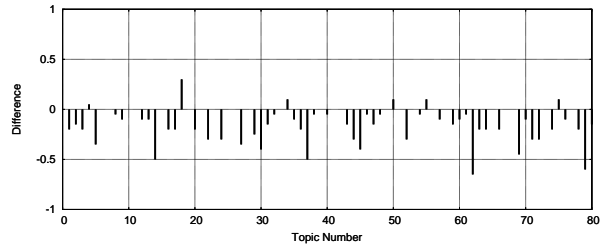
Summary Statistics	
Run ID	TKB-ds-04
Subtask	Subtask A (target)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	d-discription-l
Number of Topics	80

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	0.1325	0.2123	51	0.6375
At 10 docs	0.1088	0.2241	44	0.5500
At 15 docs	0.1008	0.2253	43	0.5375
At 20 docs	0.1006	0.2266	41	0.5125

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	0.1700	0.2596	44	0.5500
At 10 docs	0.1550	0.2741	35	0.4375
At 15 docs	0.1492	0.2759	33	0.4125
At 20 docs	0.1463	0.2766	32	0.4000

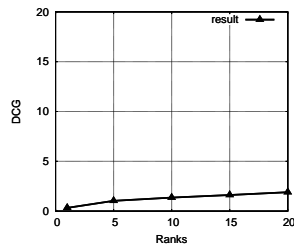


Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*



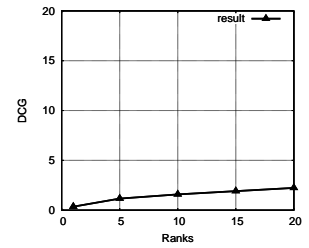
Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.3250
At 5 doc	1.0323
At 10 docs	1.3593
At 15 docs	1.6172
At 20 docs	1.8964



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	0.3500
At 5 doc	1.1613
At 10 docs	1.5810
At 15 docs	1.9104
At 20 docs	2.2350



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)