

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

Summary Statistics	
Run ID	DBLAB-ds-02
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:	35000
Relevant:	3893
Rel-ret:	1975

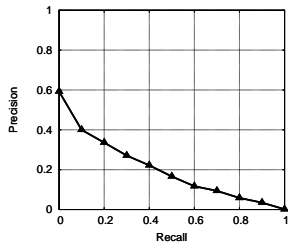
Summary Statistics	
Run ID	DBLAB-ds-02
Subtask	Subtask A (survey)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	35
Total number of documents over all topics	
Retrieved:	35000
Relevant:	5687
Rel-ret:	2837

Recall Level Precision Averages	
Recall	Precision
0.00	0.5924
0.10	0.3998
0.20	0.3358
0.30	0.2709
0.40	0.2218
0.50	0.1660
0.60	0.1170
0.70	0.0936
0.80	0.0580
0.90	0.0346
1.00	0.0012
Average precision over all relevant documents	
non-interpolated	0.1893

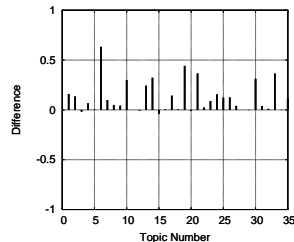
Document Level Averages	
	Precision
At 5 docs	0.3771
At 10 docs	0.3514
At 15 docs	0.3391
At 20 docs	0.3129
At 30 docs	0.2857
At 100 docs	0.2077
At 200 docs	0.1514
At 500 docs	0.0883
At 1000 docs	0.0564
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.2184

Recall Level Precision Averages	
Recall	Precision
0.00	0.6365
0.10	0.4594
0.20	0.3873
0.30	0.3157
0.40	0.2452
0.50	0.1889
0.60	0.1331
0.70	0.0951
0.80	0.0599
0.90	0.0241
1.00	0.0003
Average precision over all relevant documents	
non-interpolated	0.2127

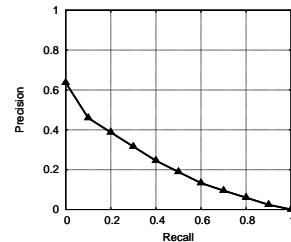
Document Level Averages	
	Precision
At 5 docs	0.4343
At 10 docs	0.4257
At 15 docs	0.4133
At 20 docs	0.3986
At 30 docs	0.3714
At 100 docs	0.2780
At 200 docs	0.2121
At 500 docs	0.1283
At 1000 docs	0.0811
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.2583



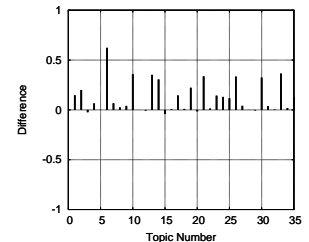
Recall-Precision Curve



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

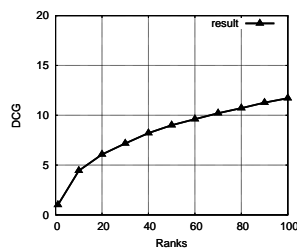


Recall-Precision Curve



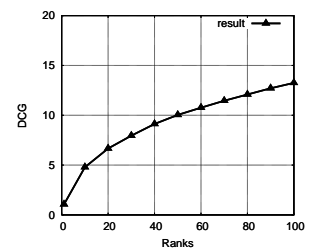
Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cumulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	1
At 10 docs	4.4370
At 20 docs	6.0679
At 30 docs	7.1706
At 40 docs	8.2113
At 50 docs	9.0022
At 60 docs	9.6092
At 70 docs	10.2057
At 80 docs	10.7140
At 90 docs	11.2667
At 100 docs	11.7139
At 200 docs	14.6173
At 500 docs	18.3251
At 1000 docs	21.1482



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	1.0571
At 10 docs	4.7877
At 20 docs	6.6629
At 30 docs	7.9510
At 40 docs	9.1250
At 50 docs	10.0354
At 60 docs	10.7607
At 70 docs	11.4569
At 80 docs	12.0844
At 90 docs	12.7081
At 100 docs	13.2510
At 200 docs	16.8665
At 500 docs	21.5229
At 1000 docs	24.8346



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 )

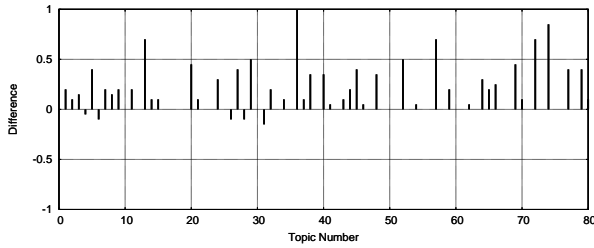
## (2) Evaluation Result when Considering Links ('Target'-type Evaluation)

Summary Statistics	
Run ID	DBLAB-ds-02
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

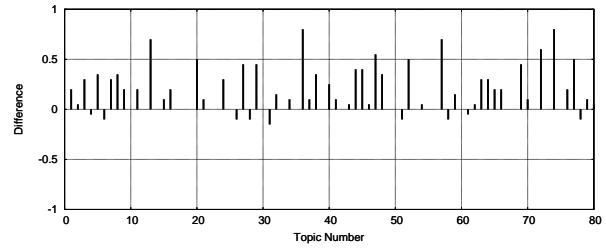
Summary Statistics	
Run ID	DBLAB-ds-02
Subtask	Subtask A (target)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	80

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	0.3775	0.5342	26	0.3250
At 10 docs	0.3625	0.5446	20	0.2500
At 15 docs	0.3517	0.5504	14	0.1750
At 20 docs	0.3275	0.5516	12	0.1500

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	0.4450	0.6060	20	0.2500
At 10 docs	0.4375	0.6128	16	0.2000
At 15 docs	0.4267	0.6185	10	0.1250
At 20 docs	0.4094	0.6185	10	0.1250

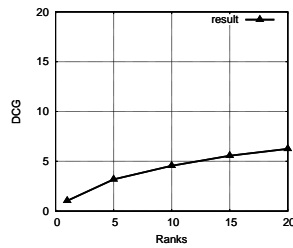


Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)\*



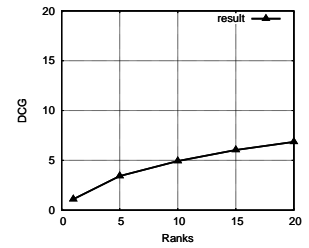
Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	1.0375
At 5 doc	3.1864
At 10 docs	4.5517
At 15 docs	5.5587
At 20 docs	6.2501



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	1.1000
At 5 doc	3.4240
At 10 docs	4.9293
At 15 docs	6.0387
At 20 docs	6.8534



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, 71,72,73,74,76,77,80,81,82,84,86,88,89,91,94,95,97,98,99,108,110,111,112,116,117,119,120,122,123,127,129,132,133,143,145,146,149,150,151,152 )