

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

| Summary Statistics | |
|---|--------------------|
| Run ID | r2d2-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: | 1684 |

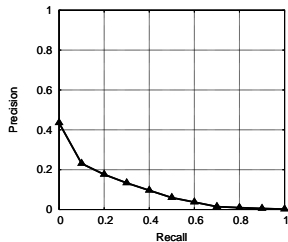
| Summary Statistics | |
|---|--------------------|
| Run ID | r2d2-ds-01 |
| Subtask | Subtask A (survey) |
| Relevant Level | Level2 (S, A or B) |
| Query Method | automatic |
| Topic Part | DISC only |
| Contents/Links Used | contents only |
| Number of Topics | 35 |
| Total number of documents over all topics | |
| Retrieved: | 34998 |
| Relevant: | 5687 |
| Rel-ret: | 2333 |

| Recall Level Precision Averages | |
|---|-----------|
| Recall | Precision |
| 0.00 | 0.4349 |
| 0.10 | 0.2308 |
| 0.20 | 0.1760 |
| 0.30 | 0.1332 |
| 0.40 | 0.0961 |
| 0.50 | 0.0595 |
| 0.60 | 0.0371 |
| 0.70 | 0.0143 |
| 0.80 | 0.0093 |
| 0.90 | 0.0050 |
| 1.00 | 0.0020 |
| Average precision over all relevant documents | |
| non-interpolated | 0.0926 |

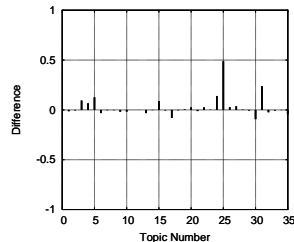
| Document Level Averages | |
|--|-----------|
| | Precision |
| At 5 docs | 0.2571 |
| At 10 docs | 0.2314 |
| At 15 docs | 0.2114 |
| At 20 docs | 0.1886 |
| At 30 docs | 0.1809 |
| At 100 docs | 0.1411 |
| At 200 docs | 0.1139 |
| At 500 docs | 0.0727 |
| At 1000 docs | 0.0481 |
| R-Precision (precision after R docs retrieved (where R is the number of relevant documents)) | |
| Exact | 0.1215 |

| Recall Level Precision Averages | |
|---|-----------|
| Recall | Precision |
| 0.00 | 0.5080 |
| 0.10 | 0.2653 |
| 0.20 | 0.2046 |
| 0.30 | 0.1571 |
| 0.40 | 0.1161 |
| 0.50 | 0.0700 |
| 0.60 | 0.0448 |
| 0.70 | 0.0238 |
| 0.80 | 0.0130 |
| 0.90 | 0.0025 |
| 1.00 | 0.0024 |
| Average precision over all relevant documents | |
| non-interpolated | 0.1074 |

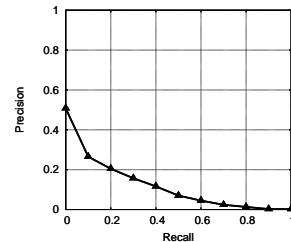
| Document Level Averages | |
|--|-----------|
| | Precision |
| At 5 docs | 0.3257 |
| At 10 docs | 0.2800 |
| At 15 docs | 0.2552 |
| At 20 docs | 0.2357 |
| At 30 docs | 0.2314 |
| At 100 docs | 0.1894 |
| At 200 docs | 0.1563 |
| At 500 docs | 0.1004 |
| At 1000 docs | 0.0667 |
| R-Precision (precision after R docs retrieved (where R is the number of relevant documents)) | |
| Exact | 0.1557 |



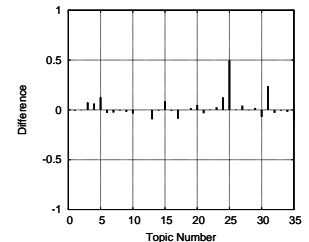
Recall-Precision Curve



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

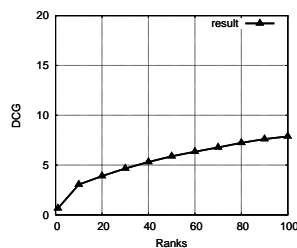


Recall-Precision Curve



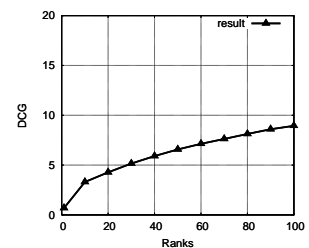
Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

| Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$) | |
|--|---------|
| | DCG |
| At 1 doc | 0.6571 |
| At 10 docs | 3.0426 |
| At 20 docs | 3.8987 |
| At 30 docs | 4.6565 |
| At 40 docs | 5.3086 |
| At 50 docs | 5.8838 |
| At 60 docs | 6.3423 |
| At 70 docs | 6.7732 |
| At 80 docs | 7.2312 |
| At 90 docs | 7.6094 |
| At 100 docs | 7.8792 |
| At 200 docs | 10.4876 |
| At 500 docs | 14.0439 |
| At 1000 docs | 16.6951 |



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 | 0.6857 |
| At 10 docs | 3.3001 |
| At 20 docs | 4.2707 |
| At 30 docs | 5.1525 |
| At 40 docs | 5.9047 |
| At 50 docs | 6.5687 |
| At 60 docs | 7.1308 |
| At 70 docs | 7.6236 |
| At 80 docs | 8.1228 |
| At 90 docs | 8.5947 |
| At 100 docs | 8.9381 |
| At 200 docs | 12.0605 |
| At 500 docs | 16.2578 |
| At 1000 docs | 19.4037 |



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)

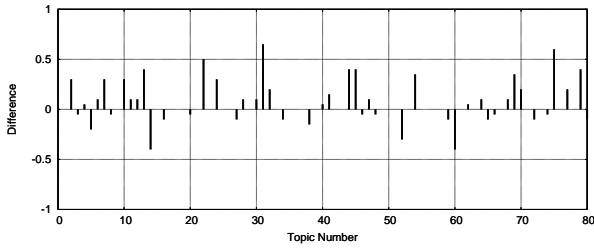
(2) Evaluation Result when Considering Links ('Target'-type Evaluation)

| Summary Statistics | |
|---------------------|--------------------|
| Run ID | r2d2-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 |

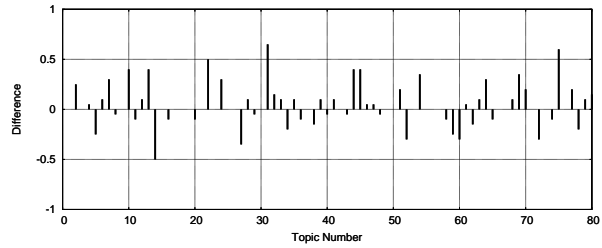
| Summary Statistics | |
|---------------------|--------------------|
| Run ID | r2d2-ds-01 |
| Subtask | Subtask A (target) |
| Relevant Level | Level2 (S, A or B) |
| Query Method | automatic |
| Topic Part | DISC only |
| Contents/Links Used | contents only |
| Number of Topics | 80 |

| 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 | 0.2950 | 0.4252 | 33 | 0.4125 |
| At 10 docs | 0.2650 | 0.4389 | 25 | 0.3125 |
| At 15 docs | 0.2492 | 0.4460 | 18 | 0.2250 |
| At 20 docs | 0.2275 | 0.4482 | 15 | 0.1875 |

| 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 | 0.3625 | 0.5048 | 26 | 0.3250 |
| At 10 docs | 0.3200 | 0.5259 | 14 | 0.1750 |
| At 15 docs | 0.3025 | 0.5309 | 9 | 0.1125 |
| At 20 docs | 0.2800 | 0.5317 | 8 | 0.1000 |

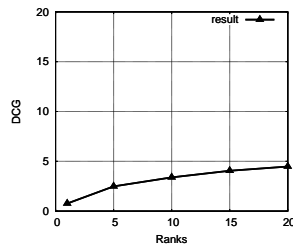


Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*



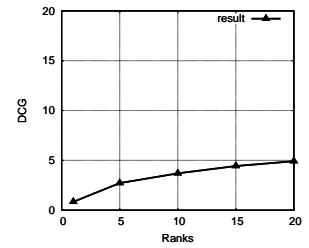
Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*

| Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$) | |
|---|--------|
| | DCG |
| At 1 doc | 0.7625 |
| At 5 doc | 2.4824 |
| At 10 docs | 3.3843 |
| At 15 docs | 4.0506 |
| At 20 docs | 4.4750 |



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 | 0.8375 |
| At 5 doc | 2.7188 |
| At 10 docs | 3.6953 |
| At 15 docs | 4.4297 |
| At 20 docs | 4.9141 |



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)