

NAICR-I-A1-4

(1) Evaluation Result without Considering Links

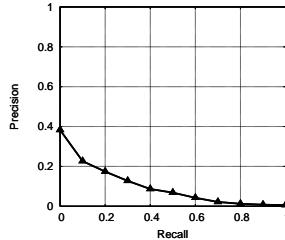
| Summary Statistics | |
|---|-----------------|
| Run ID | NAICR-I-A1-4 |
| Subtask | I-A1 |
| Relevant Level | Level1 (H or A) |
| Query Method | automatic |
| Topic Part | TITLE only |
| Contents/Links Used | contents only |
| Number of Topics | 47 |
| Total number of documents over all topics | |
| Retrieved: | 47000 |
| Relevant: | 2492 |
| Rel-ret: | 1333 |

| Summary Statistics | |
|---|--------------------|
| Run ID | NAICR-I-A1-4 |
| Subtask | I-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: | 3706 |
| Rel-ret: | 2016 |

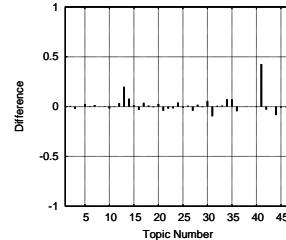
| Recall | Precision | Averages |
|---|-----------|----------|
| 0.00 | 0.3828 | |
| 0.10 | 0.2262 | |
| 0.20 | 0.1739 | |
| 0.30 | 0.1272 | |
| 0.40 | 0.0865 | |
| 0.50 | 0.0683 | |
| 0.60 | 0.0423 | |
| 0.70 | 0.0215 | |
| 0.80 | 0.0125 | |
| 0.90 | 0.0077 | |
| 1.00 | 0.0058 | |
| Average precision over all relevant documents | | |
| non-interpolated | 0.0875 | |

| Document Level Averages | Precision |
|--|-----------|
| At 5 docs | 0.1532 |
| At 10 docs | 0.1681 |
| At 15 docs | 0.1560 |
| At 20 docs | 0.1468 |
| At 30 docs | 0.1475 |
| At 100 docs | 0.1000 |
| At 200 docs | 0.0762 |
| At 500 docs | 0.0460 |
| At 1000 docs | 0.0284 |
| R-Precision (precision after R docs retrieved (where R is the number of relevant documents)) | |
| Exact | 0.1298 |

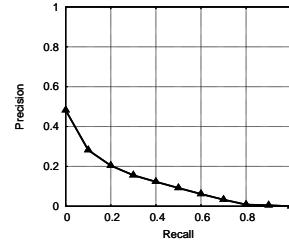
| Recall | Precision | Averages |
|---|-----------|----------|
| 0.00 | 0.4818 | |
| 0.10 | 0.2596 | |
| 0.20 | 0.2525 | |
| 0.30 | 0.2319 | |
| 0.40 | 0.2277 | |
| 0.50 | 0.1651 | |
| 0.60 | 0.1222 | |
| 0.70 | 0.0707 | |
| 0.80 | 0.0429 | |
| 0.90 | 0.0048 | |
| 1.00 | 0 | |
| Average precision over all relevant documents | | |
| non-interpolated | 0.1135 | |
| Exact | 0.1751 | |



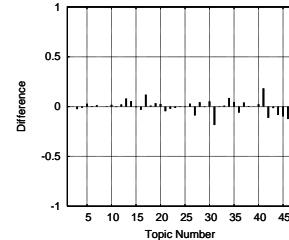
Recall-Precision Curve



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

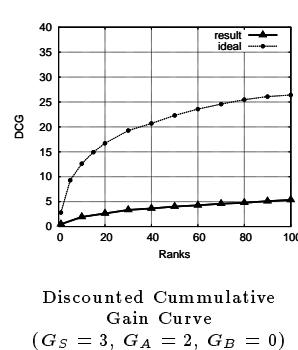


Recall-Precision Curve



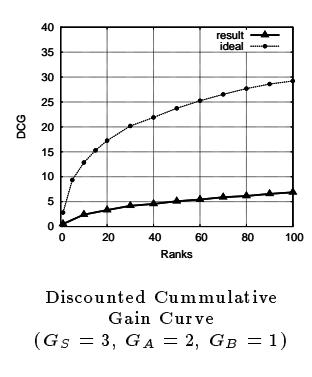
Difference from Median in Average Precision per Topic (over 14 'automatic' and 'TITLE only' runs)*

| Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$) | |
|---|---------|
| | DCG |
| At 1 doc | 0.4681 |
| At 10 docs | 1.9231 |
| At 20 docs | 2.6256 |
| At 30 docs | 3.3332 |
| At 40 docs | 3.6250 |
| At 50 docs | 4.0132 |
| At 60 docs | 4.2562 |
| At 70 docs | 4.5780 |
| At 80 docs | 4.7662 |
| At 90 docs | 5.0883 |
| At 100 docs | 5.3408 |
| At 200 docs | 6.9110 |
| At 500 docs | 8.8596 |
| At 1000 docs | 10.0245 |



Discounted Cumulative 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 | 0.5106 |
| At 10 docs | 2.3937 |
| At 20 docs | 3.3038 |
| At 30 docs | 4.1621 |
| At 40 docs | 4.5411 |
| At 50 docs | 5.0801 |
| At 60 docs | 5.4189 |
| At 70 docs | 5.8820 |
| At 80 docs | 6.1318 |
| At 90 docs | 6.5534 |
| At 100 docs | 6.8675 |
| At 200 docs | 8.8163 |
| At 500 docs | 11.1391 |
| At 1000 docs | 12.5391 |



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)
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)

(2) Evaluation Result with Considering Links

| Summary Statistics | |
|---|-----------------|
| Run ID | NAICR-I-A1-4 |
| Subtask | I-A1 |
| Relevant Level | Level1 (H or A) |
| 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: | 3558 |
| Rel-ret: | 1790 |

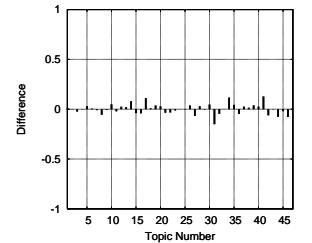
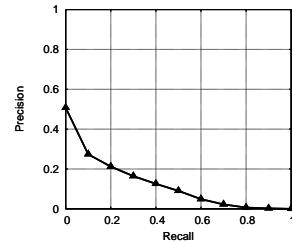
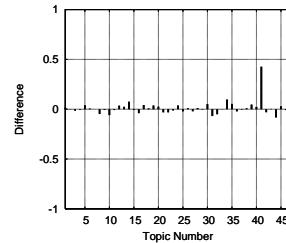
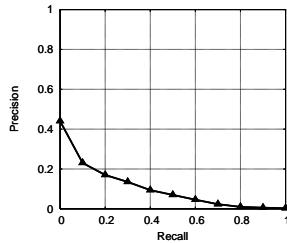
| Summary Statistics | |
|---|--------------------|
| Run ID | NAICR-I-A1-4 |
| Subtask | I-A1 |
| Relevant Level | Level2 (H, A or B) |
| Query Method | automatic |
| Topic Part | TITLE only |
| Contents/Links Used | contents only |
| Number of Topics | 47 |
| Total number of documents over all topics | |
| Retrieved: | 47000 |
| Relevant: | 4928 |
| Rel-ret: | 2510 |

| Recall | Level | Precision | Averages |
|---|-----------|-----------|----------|
| Recall | Precision | | |
| 0.00 | | 0.4404 | |
| 0.10 | | 0.2304 | |
| 0.20 | | 0.1700 | |
| 0.30 | | 0.1352 | |
| 0.40 | | 0.0938 | |
| 0.50 | | 0.0699 | |
| 0.60 | | 0.0459 | |
| 0.70 | | 0.0233 | |
| 0.80 | | 0.0098 | |
| 0.90 | | 0.0058 | |
| 1.00 | | 0.0030 | |
| Average precision over all relevant documents | | | |
| non-interpolated | | 0.0904 | |

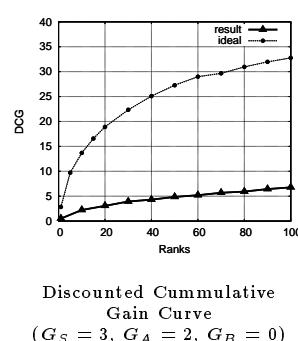
| Document | Level | Averages |
|--|-------|----------|
| Precision | | |
| At 5 docs | | 0.1915 |
| At 10 docs | | 0.1936 |
| At 15 docs | | 0.1844 |
| At 20 docs | | 0.1702 |
| At 30 docs | | 0.1731 |
| At 100 docs | | 0.1302 |
| At 200 docs | | 0.1009 |
| At 500 docs | | 0.0614 |
| At 1000 docs | | 0.0381 |
| R-Precision (precision after R docs retrieved (where R is the number of relevant documents)) | | |
| Exact | | 0.1443 |

| Recall | Level | Precision | Averages |
|---|-----------|-----------|----------|
| Recall | Precision | | |
| 0.00 | | 0.5073 | |
| 0.10 | | 0.2739 | |
| 0.20 | | 0.2120 | |
| 0.30 | | 0.1643 | |
| 0.40 | | 0.1256 | |
| 0.50 | | 0.0904 | |
| 0.60 | | 0.0488 | |
| 0.70 | | 0.0222 | |
| 0.80 | | 0.0064 | |
| 0.90 | | 0.0023 | |
| 1.00 | | 0 | |
| Average precision over all relevant documents | | | |
| non-interpolated | | 0.1117 | |
| Exact | | 0.1829 | |

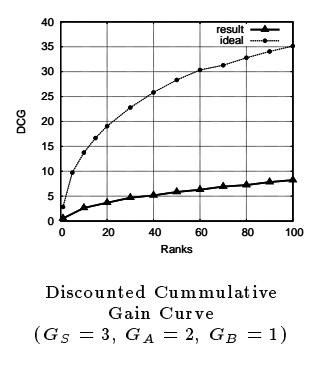
| Document | Level | Averages |
|--|-------|----------|
| Precision | | |
| At 5 docs | | 0.2766 |
| At 10 docs | | 0.2766 |
| At 15 docs | | 0.2709 |
| At 20 docs | | 0.2511 |
| At 30 docs | | 0.2489 |
| At 100 docs | | 0.1943 |
| At 200 docs | | 0.1471 |
| At 500 docs | | 0.0871 |
| At 1000 docs | | 0.0534 |
| R-Precision (precision after R docs retrieved (where R is the number of relevant documents)) | | |
| Exact | | 0.1829 |



| Discounted (log ₂) Cummulative Gain Averages (G _S = 3, G _A = 2, G _B = 1) | |
|---|---------|
| | DCG |
| At 1 doc | 0.5106 |
| At 10 docs | 2.2302 |
| At 20 docs | 3.0584 |
| At 30 docs | 3.9280 |
| At 40 docs | 4.3062 |
| At 50 docs | 4.8500 |
| At 60 docs | 5.1931 |
| At 70 docs | 5.6881 |
| At 80 docs | 5.9272 |
| At 90 docs | 6.4254 |
| At 100 docs | 6.7687 |
| At 200 docs | 8.9655 |
| At 500 docs | 11.6961 |
| At 1000 docs | 13.3463 |



| Discounted (log ₂) Cummulative Gain Averages (G _S = 3, G _A = 2, G _B = 0) | |
|---|---------|
| | DCG |
| At 1 doc | 0.5319 |
| At 10 docs | 2.6491 |
| At 20 docs | 3.6840 |
| At 30 docs | 4.6947 |
| At 40 docs | 5.1604 |
| At 50 docs | 5.8472 |
| At 60 docs | 6.2932 |
| At 70 docs | 6.9224 |
| At 80 docs | 7.2334 |
| At 90 docs | 7.8278 |
| At 100 docs | 8.2360 |
| At 200 docs | 10.8331 |
| At 500 docs | 13.9994 |
| At 1000 docs | 15.9099 |



* 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)