

| Run Description | |
|-------------------|------------|
| Run ID: | umassqdist |
| ClueWeb category: | A |

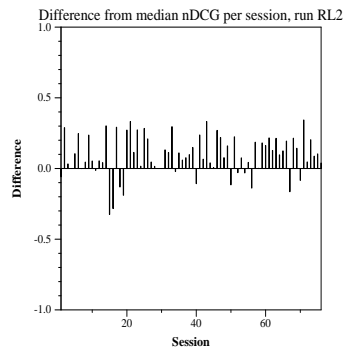
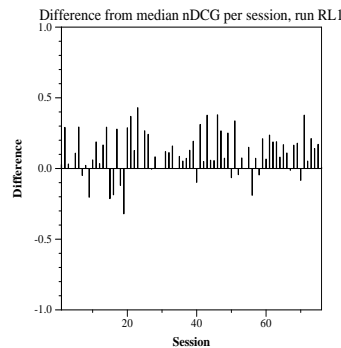
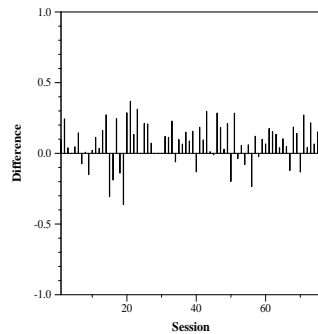
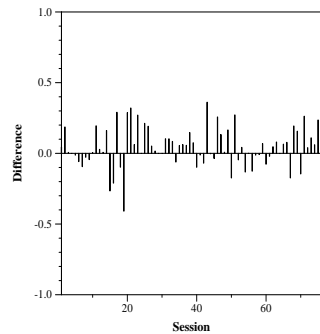
| | RL1 | RL2 | RL3 | RL4 |
|------------|-----------|-----------|-----------|-----------|
| Query Type | automatic | automatic | automatic | automatic |

allsubtopics Condition

| | Mean Scores | | | |
|---------|-------------|--------|--------|--------|
| | RL1 | RL2 | RL3 | RL4 |
| ERR | 0.2973 | 0.3140 | 0.3140 | 0.3193 |
| ERR@10 | 0.2893 | 0.3057 | 0.3057 | 0.3115 |
| nERR | 0.4582 | 0.4797 | 0.4797 | 0.4890 |
| nERR@10 | 0.4469 | 0.4680 | 0.4680 | 0.4780 |
| nDCG | 0.3067 | 0.3298 | 0.3298 | 0.3427 |
| nDCG@10 | 0.3627 | 0.3950 | 0.3950 | 0.4014 |
| MAP | 0.1280 | 0.1463 | 0.1463 | 0.1515 |
| GAP | 0.1201 | 0.1378 | 0.1378 | 0.1434 |

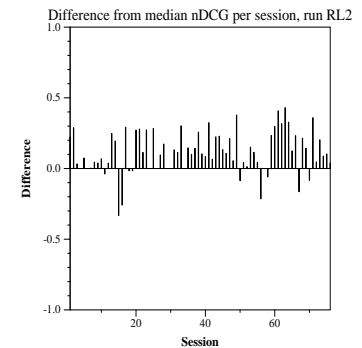
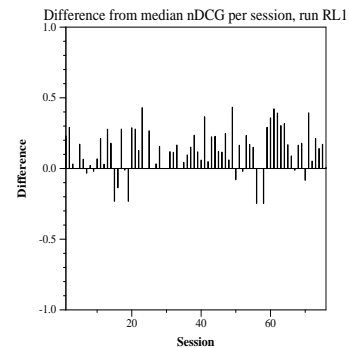
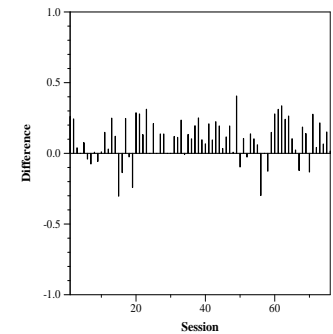
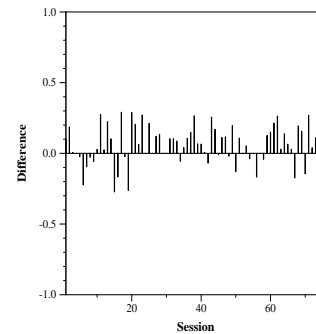
lastquerysubtopics Condition

| | Mean Scores | | | |
|---------|-------------|--------|--------|--------|
| | RL1 | RL2 | RL3 | RL4 |
| ERR | 0.2276 | 0.2336 | 0.2336 | 0.2372 |
| ERR@10 | 0.2185 | 0.2232 | 0.2232 | 0.2289 |
| nERR | 0.3598 | 0.3673 | 0.3673 | 0.3702 |
| nERR@10 | 0.3452 | 0.3506 | 0.3506 | 0.3547 |
| nDCG | 0.3046 | 0.3170 | 0.3170 | 0.3237 |
| nDCG@10 | 0.2605 | 0.2723 | 0.2723 | 0.2736 |
| MAP | 0.1267 | 0.1361 | 0.1361 | 0.1369 |
| GAP | 0.1209 | 0.1297 | 0.1297 | 0.1309 |



Difference from median nDCG per session, run RL3

Difference from median nDCG per session, run RL4



Difference from median nDCG per session, run RL3

Difference from median nDCG per session, run RL4