

LavalIVA  
ul\_lda\_roc.10  
automatic  
Task: main

This run uses Solr as a baseline for the search engine. We use LDA to search different subtopics in top documents returned by Solr. And we process the feedback by using a NER algorithm to expand the queries. If there is no feedback we use an inverse rocchio algorithm to search in a different area. We used 10 pages max of results to explore more documents..

| Measure                      | Mean     | Median   |
|------------------------------|----------|----------|
| ct@10                        | 0.028261 | 0.019524 |
| average_err_arithmetic       | 0.177841 | 0.102445 |
| modified_precision_at_recall | 0.028573 | 0.000000 |
| average_err_harmonic         | 0.153426 | 0.074472 |
| precision_at_recall          | 0.092373 | 0.000000 |
| reciprocal_rank_at_recall    | 0.839831 | 1.000000 |
| avg_ct@10                    | 0.126921 | 0.053046 |

