COMP3009J: Information Retrieval

Exercise Sheet: IR Evaluation

An Information Retrieval system has returned a set of results in response to a query. These results are:

Retrieved = [d12, d1, d19, d15, d2, d4, d8, d9, d6, d14, d3, d5, d16, d18, d13, d20, d7, d11]

Relevance judgments have been performed and some documents have been judged to be relevant or non-relevant. For judged relevant documents, the level of relevance is included after each). Any document not included in these sets has not been judged.

Calculate the following evaluation metrics:

- 1. Precision
- 2. Recall
- 3. P@10
- 4. R-Precison
- 5. MAP
- 6. bpref
- 7. NDCG@10