Lab Experiment P2 (Information retrieval)

Consider the Information retrieval system created by you as Doodle.com. Below is the list of documents retrieved by your search engine in order. The relevance ranking of any result to a query is measured on the basis of number of words matching in the document to the query. The documents having highest number of matching words will be considered most relevant. Complete the following tasks, and submit the pdf file of your notebook with outputs.

1. Calculate and show the ranking of each document.
2. Calculate the value of recall and precision at every level of retrieved document.
3. Calculate the F1 score and plot the recall, precision and F1 score at various levels.
4. Compare the performance of your system with XYZ.com.

**the query:** " Human-based review of computer systems"

**Doodle.com Result (In order)**

c1: Human machine interface for, Lab ABC computer applications

c2: A survey of user opinion. of computer system response time

c3: The EPS user interface, management system

c4: System and human system, engineering testing of EPS

c5: Relation of user-perceived response time to error measurement

m1: The generation of random, binary, unordered trees

m2: The intersection graph, of paths in trees

m3: Graph minors IV: Widths of trees and well-quasi-ordering

m4: Graph minors: A survey

**XYZ.com (In order)**

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