

RetrievalEvaluator {abstract} # qldList : ArrayList<Integer> # relList : ArrayList<Integer> # documentTexts : ArrayList<String> # termVectors : ArrayList<Map<String, Integer>> # queryIdToHighestRank : HashMap<Integer, Integer> + processCas(CAS aCas) + collectionProcessComplete(ProcessTrace arg0) - calculateTStat() - computeRankings(PrintWriter outputWriter, HashMap<Integer, Integer> queryIdToIndex, HashMap<Integer, ArrayList<Integer>> queryIdToDocs, HashSet<Integer> queryIds) + {abstract} computeSimilarity(Map<String, Integer> queryMap, Map<String, Integer> termMap): + sortDocIndeces(HashMap<Integer, Double> docToScore) : List<Entry<Integer, Double>> - computeMRR(): double

JaccardRetrievalEvaluator

+ computeSimilarity(Map<String, Integer> queryVector, Map<String, Integer> docVector): double

CosineSimilarityRetrievalEvaluator {abstract}

- + computeSimilarity(Map<String, Integer> queryVector,
 - Map<String, Integer> docVector): double
- calculateDenominator(Map<String, Integer> queryVector,
 - Map<String, Integer> docVector): double
- + getMagnitude(Map<String, Integer> vals) : double
- calculateNumerator(Map<String, Integer> queryVector,

Map<String, Integer> docVector, HashSet<String> globalWords):

double {abstract} combineWeights(String term, int termFreg1, int termFreg2): double

RawFreqCosineSimilarityRetrievalEvaluator

+ combineWeights(String term, int freq1, int freq2) : double

TFIDFCosineSimilarityRetrievalEvaluator

- termToNumDocs : HashMap<String, Integer>
- numDocs : int
- + processCas(CAS aCas)
- + computeSimilarity(Map<String, Integer> queryVector, Map<String, Integer> docVector): double
- + combineWeights(String term, int termFreq1, int termFreq2): double
- + calcTfldf(String term, int termCount) : double