Week 5 Quiz

Passed

**8.5/10** points earned (85%)

Quiz passed!

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Correct

1 / 1 points

1.

Which of the following is **not** true about GFS?



The GFS keeps multiple replicas of the same file chunk.



The file data transfer happens directly between the GFS client and the GFS chunkservers.



**The file data transfer happens directly between the GFS client and the GFS master.**

Correct

1 / 1 points

2.

MapReduce allows parallelizing the creation of the inverted index.



**True**



False

Correct

1 / 1 points

3.

In MapReduce, the Reduce function is called for each unique key of the output key-value pairs from the Map function.



**True**



False

Correct

1 / 1 points

4.

Which of the following would cause a web page P to have a higher PageRank score?



**Add to another page Q a link that points to page P**



Add to page P a link that points to another page Q

Correct

1 / 1 points

5.

Imagine if the web is fully connected with N pages such that for any pair of pages, P and Q, there exists a link from P to Q, then which of the following is true?



At least one page will have a PageRank score larger than 1/N.



At least one page will have a PageRank score smaller than 1/N.



**All the pages will have a PageRank score of 1/N.**

Correct

1 / 1 points

6.

Which of the following is/are the difference(s) between pseudo and implicit feedback?



**Pseudo feedback assumes top ranked documents are relevant.**



**Implicit feedback assumes user-clicked documents are relevant.**



Both methods do not involve user activity.

Incorrect

0 / 1 points

7.

What is true about Rocchio feedback?



It works the best if you discard original query weights during feedback.



All words are used (no truncation) so that performance and efficiency can be guaranteed.



Negative examples are as important as positive examples.



It can be used for relevance feedback and also pseudo feedback.

Incorrect

0.8 / 1 points

8.

The advantages of incremental crawling are:



**It targets frequently accessed pages.**



It learns from past experience.



**It targets frequently updated pages.**



It adds overhead.

Correct

1 / 1 points

9.

What is NOT the reason that PageRank works better than "citation counting"?



PageRank has smoothing.



**It utilizes text information other than link information.**



PageRank considers "indirect citations."

Correct

1 / 1 points

10.

What is WRONG about HITS algorithm?



It has two sets of parameters: a (authority) and h (hub).



**The adjacency matrix is symmetric.**



It's an iterative algorithm.

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