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Week 6 Practice Quiz

**10/10** points earned (100%)

Excellent!

Retake

[Next](https://www.coursera.org/learn/text-retrieval/exam/tgvQQ/week-6-quiz)

Correct

1 / 1 points

1.

In collaborative filtering, to measure user similarity using cosine, which one of the following is correct?



It solves problem of missing values.



It will not be biased by the user activity (less/more activity of users).

**Correct Response**

Correct

1 / 1 points

2.

Which of the following tasks can be solved as a classification problem?



Ranking

**Correct Response**



Recommendation

**Correct Response**



Spamming filtering

**Correct Response**

Correct

1 / 1 points

3.

In recommendation/filtering, which heuristic in the following is NOT correct?



The same user will like similar items.



Similar users will like the same items.



If a user likes one item, then he/she will dislike other items not similar to the one liked.

**Correct Response**

Correct

1 / 1 points

4.

Comparing the logistic regression learning-to-rank method vs. the query likelihood model, which of the following is NOT true?



The query likelihood method does not require time for training.



If trained until converged, the logistic regression will output the same solution (probability) as the query likelihood model as they are using the same relevance judgement.

**Correct Response**



The logistic regression method is better as it can take the query likelihood output as features.

Correct

1 / 1 points

5.

GFS is a parallel programming framework that allows parallelized construction of the inverted index.



True



False

**Correct Response**

Explanation: GFS is a distributed file system that aims at providing scalability and reliability in file storage.

Correct

1 / 1 points

6.

After obtaining the chunk’s handle and locations from the GFS master, the GFS client (application) obtains the actual file data directly from one of the GFS chunkservers.



False



True

**Correct Response**

Explanation: The actual data transfer happens directly between the client and the chunkservers. The master can only send and receive control signals (not data files).

Correct

1 / 1 points

7.

What is the advantage of Learning to Rank over BM25?



BM25 is much slower to train than Learning to Rank.

**Correct Response**



Learning to Rank can combine many more features than BM25.

**Correct Response**

Correct

1 / 1 points

8.

Can the regression based approach Learning to Rank utilize multi-grade relevance judgement (for example, not very relevant, not relevant, mediocre, relevant, very relevant)?



Yes

**Correct Response**



No

Correct

1 / 1 points

9.

Which is/are the reason(s) learning-based algorithms became popular in text retrieval?



There are more information needs such as removing spamming or diversified ranking.

**Correct Response**



More features are available now for determining the results.

**Correct Response**



More methods are available now for combining.

**Correct Response**

Correct

1 / 1 points

10.

When a new user comes, which of the following will NOT help for recommendation?



Ask user to first select a few items that he likes



Ask user to provide a short description of himself



Recommend user with random selected items

**Correct Response**