

Assignment #2 Answer Form

测验, 7 个问题

1
point

1.

Which document does the simple profile predict user 1 will like best?

- ☐ doc1
- ☐ doc2
- ☐ doc3
- ☐ doc4
- ☐ doc5
- ☐ doc6
- ☐ doc7
- ☐ doc8
- ☐ doc9
- ☐ doc10
- ☐ doc11
- ☐ doc12
- ☐ doc13
- ☐ doc14
- ☐ doc15

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☒ doc16

☐ doc17

☐ doc18

☐ doc19

☐ doc20

1
point

2. What score does that prediction get?

6

1
point

3.
How many documents does the model predict User 2 will dislike
(prediction score that is negative)?

4

1
point

4.
Part 2

Using the new model, the same document from above is still User 1's highest-scoring document. Which document is now the second-highest scoring?

☐ doc1

☐ doc2

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☐ doc3

☐ doc4

☒ doc5

☐ doc6

☐ doc7

☐ doc8

☐ doc9

☐ doc10

☐ doc11

☐ doc12

☐ doc13

☐ doc14

☐ doc15

☐ doc16

☐ doc17

☐ doc18

☐ doc19

☐ doc20

1
point

5. What prediction score does it have?

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1

point

6.

Part 3

What's user1's prediction for doc9 in the new IDF weighted model?

0.179067

1

point

7.

Look at doc6 for user 2. It was moderately positive before and now is slightly negative. Why did that change?

- ☐ Because the article wasn't actually that good to begin with.
- ☐ Because the user's profile keeps changing?
- ☐ Because all the numbers went down in the new model.
- ☒ Because doc6 has two attributes, a common one that the user really likes (Europe) and rare one the user dislikes (Baseball). In prior models, the fact that the user liked Europe more than s/he disliked baseball was decisive, but this model recognizes that Baseball is rarer than Europe, and therefore should have more weight (after all, there are plenty of other articles about Europe).



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